

Schema documentation for TigerData_StandardMetadataSchema_v0.7_2024-09

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Namespace: ""

Schema(s)

Main schema TigerData_StandardMetadataSchema_v0.7_2024-09-20.xsd

Namespace	No namespace
Properties	attribute form default: unqualified element form default: qualified

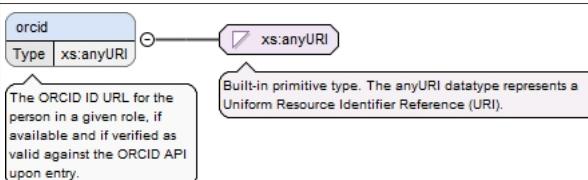
Element(s)

Element userType / netID

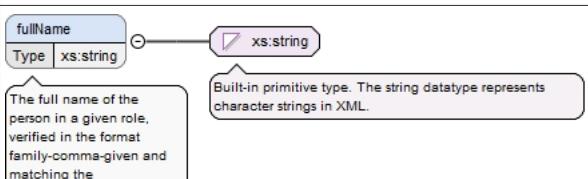
Namespace	No namespace
-----------	--------------

Annotations	The University NetID (also called the OIT NetID) is the name or user-id that identifies a person to a computer system or electronic service at Princeton.						
Diagram	<pre> classDiagram class netID { <<xs:string>> } netID < -- xs:string </pre>						
Type	xs:string						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<pre> <xss:element name="netID" type="xs:string" minOccurs="0" maxOccurs="1"> <xss:annotation> <xss:documentation xml:lang="en">The University NetID (also called the OIT NetID) is the name or user-id that identifies a person to a computer system or electronic service at Princeton.</xss:documentation> </xss:annotation> </xss:element> </pre>						

Element userType / orcid

Namespace	No namespace						
Annotations	The ORCID ID URL for the person in a given role, if available and if verified as valid against the ORCID API upon entry.						
Diagram	 <pre> classDiagram class orcid { <<xs:anyURI>> } orcid < -- xs:anyURI </pre>						
Type	xs:anyURI						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<pre> <xss:element name="orcid" type="xs:anyURI" minOccurs="0" maxOccurs="1"> <xss:annotation> <xss:documentation xml:lang="en">The ORCID ID URL for the person in a given role, if available and if verified as valid against the ORCID API upon entry.</xss:documentation> </xss:annotation> </xss:element> </pre>						

Element userType / fullName

Namespace	No namespace						
Annotations	The full name of the person in a given role, verified in the format family-comma-given and matching the corresponding given and family name fields.						
Diagram	 <pre> classDiagram class fullName { <<xs:string>> } fullName < -- xs:string </pre>						
Type	xs:string						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<pre> <xss:element name="fullName" type="xs:string" minOccurs="0" maxOccurs="1"> <xss:annotation> <xss:documentation xml:lang="en">The full name of the person in a given role, verified in the format family-comma-given and matching the corresponding...</xss:documentation> </xss:annotation> </xss:element> </pre>						

```

<xs:documentation xml:lang="en">The full name of the person in a given role, verified in
the format family-comma-given and matching the corresponding given and family name fields.</
xs:documentation>
</xs:annotation>
</xs:element>

```

Element userType / givenName

Namespace	No namespace						
Annotations	The given name(s) of the person in a given role. If the person has multiple given names, then all should be included in this field, along with any suffixes.						
Diagram							
Type	xs:string						
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<pre> <xs:element name="givenName" type="xs:string" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The given name(s) of the person in a given role. If the person has multiple given names, then all should be included in this field, along with any suffixes.</ xs:documentation> </xs:annotation> </xs:element> </pre>						

Element userType / familyName

Namespace	No namespace						
Annotations	The family name(s) of the person in a given role. If the person has multiple family names, then all should be included in this field.						
Diagram							
Type	xs:string						
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<pre> <xs:element name="familyName" type="xs:string" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The family name(s) of the person in a given role. If the person has multiple family names, then all should be included in this field.</xs:documentation> </xs:annotation> </xs:element> </pre>						

Element userType / nameDate

Namespace	No namespace
Annotations	The date at which the name metadata was recorded, using the ISO 8601 date format (YYYY-MM-DD).
Diagram	

Type	xs:date
Properties	<p>content: simple</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>
Source	<pre><xs:element name="nameDate" type="xs:date" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The date at which the name metadata was recorded, using the ISO 8601 date format (YYYY-MM-DD).</xs:documentation> </xs:annotation> </xs:element></pre>

Element userType / alternativeNameIdentifier

Namespace	No namespace															
Annotations	Records alternative (non-ORCID) identifier(s) for the person in a given role.															
Diagram	<pre> classDiagram class alternativeNameIdentifier { xs:string nameIdentifierScheme xs:anyURI schemeURI } note over alternativeNameIdentifier: Records alternative (non-ORCID) identifier(s) for the person in a given role. </pre>															
Type	extension of xs:string															
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: 100</p>															
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>nameIdentifierScheme</td> <td>xs:string</td> <td>required</td> </tr> <tr> <td></td> <td></td> <td>The name of the scheme to which the name identifier belongs (required when an alternative name identifier is given).</td> </tr> <tr> <td>schemeURI</td> <td>xs:anyURI</td> <td>required</td> </tr> <tr> <td></td> <td></td> <td>The URI of the scheme to which the name identifier belongs (required when an alternative name identifier is given).</td> </tr> </tbody> </table>	QName	Type	Use	nameIdentifierScheme	xs:string	required			The name of the scheme to which the name identifier belongs (required when an alternative name identifier is given).	schemeURI	xs:anyURI	required			The URI of the scheme to which the name identifier belongs (required when an alternative name identifier is given).
QName	Type	Use														
nameIdentifierScheme	xs:string	required														
		The name of the scheme to which the name identifier belongs (required when an alternative name identifier is given).														
schemeURI	xs:anyURI	required														
		The URI of the scheme to which the name identifier belongs (required when an alternative name identifier is given).														
Source	<pre><xs:element name="alternativeNameIdentifier" minOccurs="0" maxOccurs="100"> <xs:annotation> <xs:documentation xml:lang="en">Records alternative (non-ORCID) identifier(s) for the person in a given role.</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="nameIdentifierScheme" type="xs:string" use="required"> <xs:annotation> <xs:documentation xml:lang="en">The name of the scheme to which the name identifier belongs (required when an alternative name identifier is given).</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute name="schemeURI" type="xs:anyURI" use="required"> <xs:annotation> <xs:documentation xml:lang="en">The URI of the scheme to which the name identifier belongs (required when an alternative name identifier is given).</xs:documentation> </xs:annotation> </xs:attribute> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element></pre>															

Element quantityType / size

Namespace	No namespace						
Annotations	<p>The numeric size of the quantity</p> <p>The practical limits for floating point values set by Mediaflux are the range [4.9E-324,1.7976931348623157E308]</p>						
Diagram	<pre> graph LR size[/size/] --> xsDecimal[/xs:decimal/] subgraph Note direction TB N1[The numeric size of the quantity] N2[Built-in primitive type. The decimal datatype represents arbitrary precision decimal numbers.] N1 --- N2 end </pre>						
Type	xs:decimal						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<pre> <xs:element name="size" type="xs:decimal" minOccurs="1" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The numeric size of the quantity</xs:documentation> <xs:documentation xml:lang="en">The practical limits for floating point values set by Mediaflux are the range [4.9E-324,1.7976931348623157E308]</xs:documentation> </xs:annotation> </xs:element> </pre>						

Element quantityType / unit

Namespace	No namespace						
Annotations	The standardized unit of measure for the quantity, following RFC 1738 standards						
Diagram	<pre> graph LR unit[/unit/] --> xsString[/xs:string/] subgraph Note direction TB N1[The standardized unit of measure for the quantity, following RFC 1738 standards] N2[Built-in primitive type. The string datatype represents character strings in XML.] N1 --- N2 end </pre>						
Type	xs:string						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<pre> <xs:element name="unit" type="xs:string" minOccurs="1" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The standardized unit of measure for the quantity, following RFC 1738 standards</xs:documentation> </xs:annotation> </xs:element> </pre>						

Element storageQuantityType / size

Namespace	No namespace						
Annotations	The numeric size of the storage quantity						
Diagram	<pre> graph LR size[/size/] --> xsDecimal[/xs:decimal/] subgraph Note direction TB N1[The numeric size of the storage quantity] N2[Built-in primitive type. The decimal datatype represents arbitrary precision decimal numbers.] N1 --- N2 end </pre>						
Type	xs:decimal						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<pre> <xs:element name="size" type="xs:decimal" minOccurs="1" maxOccurs="1"> <xs:annotation> </pre>						

```
<xs:documentation xml:lang="en">The numeric size of the storage quantity</xs:documentation>
</xs:annotation>
</xs:element>
```

Element storageQuantityType / unit

Namespace	No namespace																				
Annotations	The logical byte unit for the storage quantity																				
Diagram	<p>The logical byte unit for the storage quantity</p> <p>Standard type that defines the controlled vocabulary for byte units in storageQuantityType</p>																				
Type	byteUnitType																				
Properties	<p>content: simple</p> <p>minOccurs: 1</p> <p>maxOccurs: 1</p>																				
Facets	<table> <tr> <td>enumeration</td> <td>B</td> <td>Bytes (B)</td> </tr> <tr> <td>enumeration</td> <td>KB</td> <td>Kilobytes (KB)</td> </tr> <tr> <td>enumeration</td> <td>MB</td> <td>Megabytes (MB)</td> </tr> <tr> <td>enumeration</td> <td>GB</td> <td>Gigabytes (GB)</td> </tr> <tr> <td>enumeration</td> <td>TB</td> <td>Terabytes (TB)</td> </tr> <tr> <td>enumeration</td> <td>PB</td> <td>Petabytes (PB)</td> </tr> </table>			enumeration	B	Bytes (B)	enumeration	KB	Kilobytes (KB)	enumeration	MB	Megabytes (MB)	enumeration	GB	Gigabytes (GB)	enumeration	TB	Terabytes (TB)	enumeration	PB	Petabytes (PB)
enumeration	B	Bytes (B)																			
enumeration	KB	Kilobytes (KB)																			
enumeration	MB	Megabytes (MB)																			
enumeration	GB	Gigabytes (GB)																			
enumeration	TB	Terabytes (TB)																			
enumeration	PB	Petabytes (PB)																			
Source	<pre><xs:element name="unit" type="byteUnitType" minOccurs="1" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The logical byte unit for the storage quantity</xs:documentation> </xs:annotation> </xs:element></pre>																				

Element alternativeID

Namespace	No namespace		
Annotations	An alternative identifier for the resource (not the standard TigerData projectID or itemID) May apply to either Projects or Items		
Diagram	<p>An alternative identifier for the resource (not the standard TigerData projectID or itemID) May apply to either...</p> <p>Specification for the practical limit applied to free text values</p> <p>Attributes</p> <ul style="list-style-type: none"> alternativeIDType: limitedTextType <p>A simple description of the alternative ID type (e.g. "Local accession number")</p> <p>inherited: xs:boolean</p> <p>Standard attribute to specify whether a given field's value should be inherited by child resources Inheritance is...</p>		
Type	extension of limitedTextType		
Type hierarchy	<ul style="list-style-type: none"> xs:string limitedTextType 		
Properties	content: complex		
Used by	Element alternativeIDs		
Attributes	QName	Type	Default
	alternativeIDType	limitedTextType	required

	QName	Type	Default	Use	
		A simple description of the alternative ID type (e.g. "Local accession number")			
	inherited	xs:boolean	false	optional	
		Standard attribute to specify whether a given field's value should be inherited by child resources			
		Inheritance is limited to the applicability of the field to the child resource (e.g., researchDomain may be inherited by a subproject but not an item)			
Source	<pre><xs:element name="alternativeID"> <xs:annotation> <xs:documentation xml:lang="en">An alternative identifier for the resource (not the standard TigerData projectID or itemID)</xs:documentation> <xs:documentation xml:lang="en">May apply to either Projects or Items</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="limitedTextType"> <xs:attribute name="alternativeIDType" type="limitedTextType" use="required"> <xs:annotation> <xs:documentation xml:lang="en">A simple description of the alternative ID type (e.g. "Local accession number")</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute ref="inherited" default="false"/> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element></pre>				

Element alternativeIDs

Namespace	No namespace															
Annotations	The container element for all alternative IDs for a resource May apply to either Projects or Items															
Diagram	<pre> classDiagram class alternativeIDs { <<The container element for all alternative IDs for a resource>> <<May apply to either Projects or Items>> attribute discoverable : xs:boolean attribute trackingLevel : trackingLevelType <<Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems>> <<Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)>> <<1..100 alternativeID>> <<An alternative identifier for the resource (not the standard TigerData projectID or itemID)>> <<May apply to either...>> } </pre>															
Properties	content: complex															
Used by	Element Groups itemFields, projectFields															
Model	alternativeID{1,100}															
Children	alternativeID															
Instance	<pre><alternativeIDs discoverable="true" trackingLevel="ResourceRecord"> <alternativeID alternativeIDType="" inherited="false">{1,100}</alternativeID> </alternativeIDs></pre>															
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>discoverable</td> <td>xs:boolean</td> <td></td> <td>true</td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	discoverable	xs:boolean		true	optional		Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems			
QName	Type	Fixed	Default	Use												
discoverable	xs:boolean		true	optional												
	Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems															

	QName	Type	Fixed	Default	Use
	trackingLevel	trackingLevelType	ResourceRecord		optional
	Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)				
Source		<xss:element name="alternativeIDs"> <xss:annotation> <xss:documentation xml:lang="en">The container element for all alternative IDs for a resource</xss:documentation> <xss:annotation> <xss:documentation xml:lang="en">May apply to either Projects or Items</xss:documentation> </xss:annotation> <xss:complexType> <xss:sequence> <xss:element ref="alternativeID" minOccurs="1" maxOccurs="100"/> </xss:sequence> <xss:attribute ref="discoverable" default="true"/> <xss:attribute ref="trackingLevel" fixed="ResourceRecord"/> </xss:complexType> </xss:element>			

Element parentProject

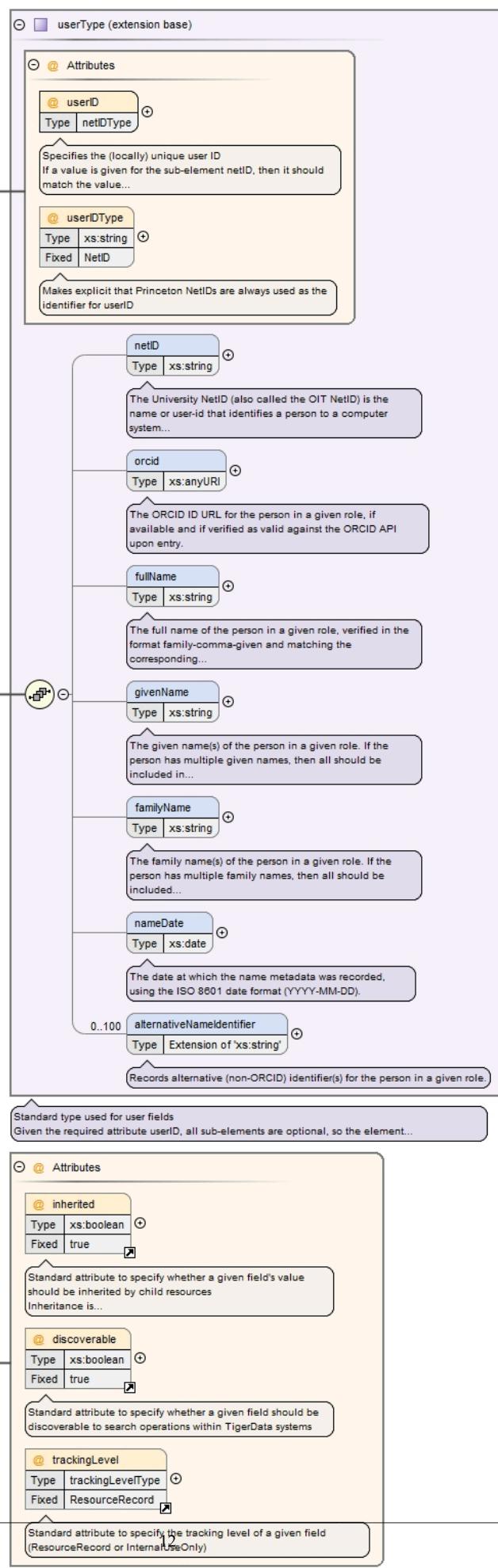
Namespace	No namespace
Annotations	<p>The ID of the project to which the resource belongs directly</p> <p>Applies to both Projects and Items</p> <p>Takes precedence over any IsChildOf relations to other projects</p>
Diagram	<pre> classDiagram class parentProject { <<Extension of 'projectIDValueType'>> @parentProject Type xs:string } class projectIDValueType { <<extension base>> @projectIDValueType Base Type doiType } class doiType { <<Standard type used for DOI values (just the prefix and suffix; not a full URL) DOI is short for Digital Object...>> @doiType Attributes @projectIDType Fixed DOI <<Makes explicit that the project ID is always given as a DOI>> } parentProject --> projectIDValueType parentProject --> doiType </pre> <p>The diagram illustrates the inheritance path of the <code>parentProject</code> element. It shows that <code>parentProject</code> is an extension of <code>projectIDValueType</code>, which itself is an extension of <code>doiType</code>. The <code>parentProject</code> element has annotations: "The ID of the project to which the resource belongs directly", "Applies to both Projects and Items", and "Takes precedence over...". The <code>projectIDValueType</code> element has annotations: "Standard type used for DOI values (just the prefix and suffix; not a full URL)" and "DOI is short for Digital Object...". The <code>doiType</code> element has annotations: "Makes explicit that the project ID is always given as a DOI". The <code>parentProject</code> element also has attributes: <code>@parentProject</code> (Type: xs:string), <code>parentProject</code> (Type: Extension of 'projectIDValueType'), and <code>parentProject</code> (Type: Extension of 'projectIDValueType').</p>
Type	extension of <code>projectIDValueType</code>
Type hierarchy	<ul style="list-style-type: none"> • <code>xs:string</code> • <code>doiType</code>

	<ul style="list-style-type: none"> projectIDValueType 								
Properties	content: complex								
Used by	Element Groups itemFields, projectFields								
Attributes	QName	Type	Fixed	Default	Use				
	discoverable	xs:boolean	true		optional				
		Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems							
	inherited	xs:boolean		true	optional				
		Standard attribute to specify whether a given field's value should be inherited by child resources							
	projectIDType		DOI		optional				
		Makes explicit that the project ID is always given as a DOI							
Source	<pre><xs:element name="parentProject"> <xs:annotation> <xs:documentation xml:lang="en">The ID of the project to which the resource belongs directly</xs:documentation> <xs:documentation xml:lang="en">Applies to both Projects and Items</xs:documentation> <xs:documentation xml:lang="en">Takes precedence over any IsChildOf relations to other projects</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="projectIDValueType"> <xs:attribute ref="inherited" default="true"/> <xs:attribute ref="discoverable" fixed="true"/> <xs:attribute ref="trackingLevel" fixed="ResourceRecord"/> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element></pre>								

Element dataSponsor

Namespace	No namespace
Annotations	The person who takes primary responsibility for the project Does not apply to Items

Diagram

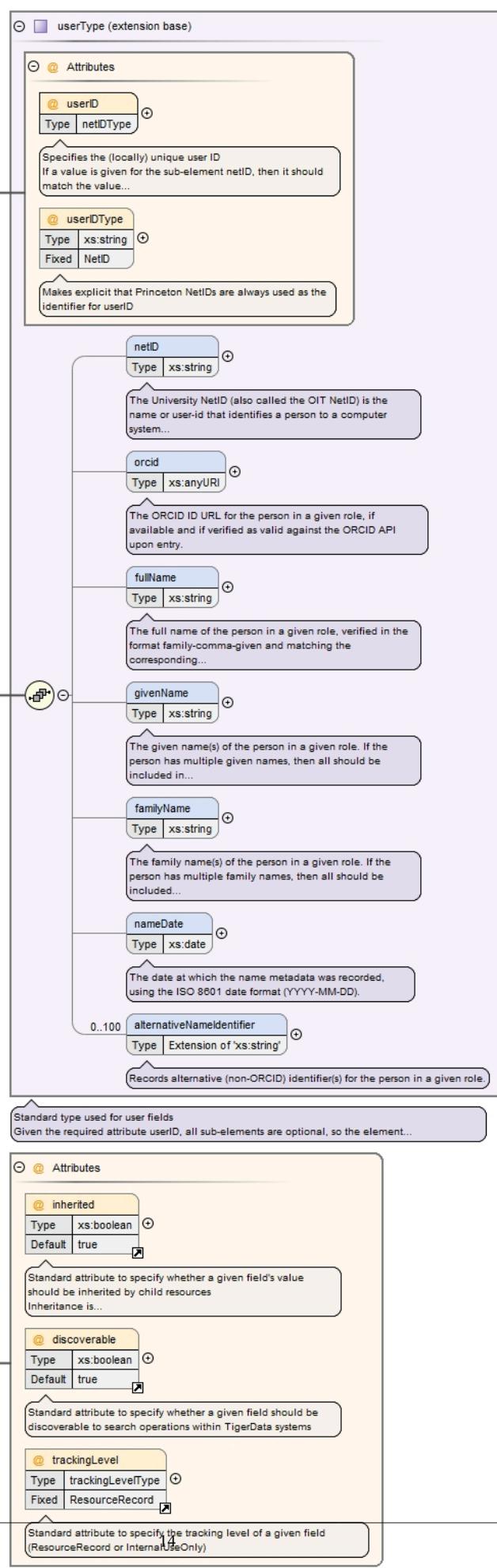


Type	extension of userType				
Type hierarchy	<ul style="list-style-type: none"> • userType 				
Properties	content: complex				
Used by	Element Group projectRoles				
Model	netID{0,1} , orcid{0,1} , fullName{0,1} , givenName{0,1} , familyName{0,1} , nameDate{0,1} , alternativeNameIdentifier{0,100}				
Children	alternativeNameIdentifier, familyName, fullName, givenName, nameDate, netID, orcid				
Instance	<pre><dataSponsor discoverable="true" inherited="true" trackingLevel="ResourceRecord" userID="" userIDType="NetID"> <netID>{0,1}</netID> <orcid>{0,1}</orcid> <fullName>{0,1}</fullName> <givenName>{0,1}</givenName> <familyName>{0,1}</familyName> <nameDate>{0,1}</nameDate> <alternativeNameIdentifier nameIdentifierScheme="" schemeURI="">{0,100}</ alternativeNameIdentifier> </dataSponsor></pre>				
Attributes	QName	Type	Fixed	Use	
	discoverable	xs:boolean	true	optional	
		Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems			
	inherited	xs:boolean	true	optional	
		Standard attribute to specify whether a given field's value should be inherited by child resources			
	trackingLevel	trackingLevelType	ResourceRecord	optional	
		Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)			
	userID	netIDType		required	
		Specifies the (locally) unique user ID If a value is given for the sub-element netID, then it should match the value given for userID			
Source	userIDType	xs:string	NetID	optional	
		Makes explicit that Princeton NetIDs are always used as the identifier for userID			

Element dataManager

Namespace	No namespace
Annotations	The person who manages the day-to-day activities for the project Does not apply to Items

Diagram

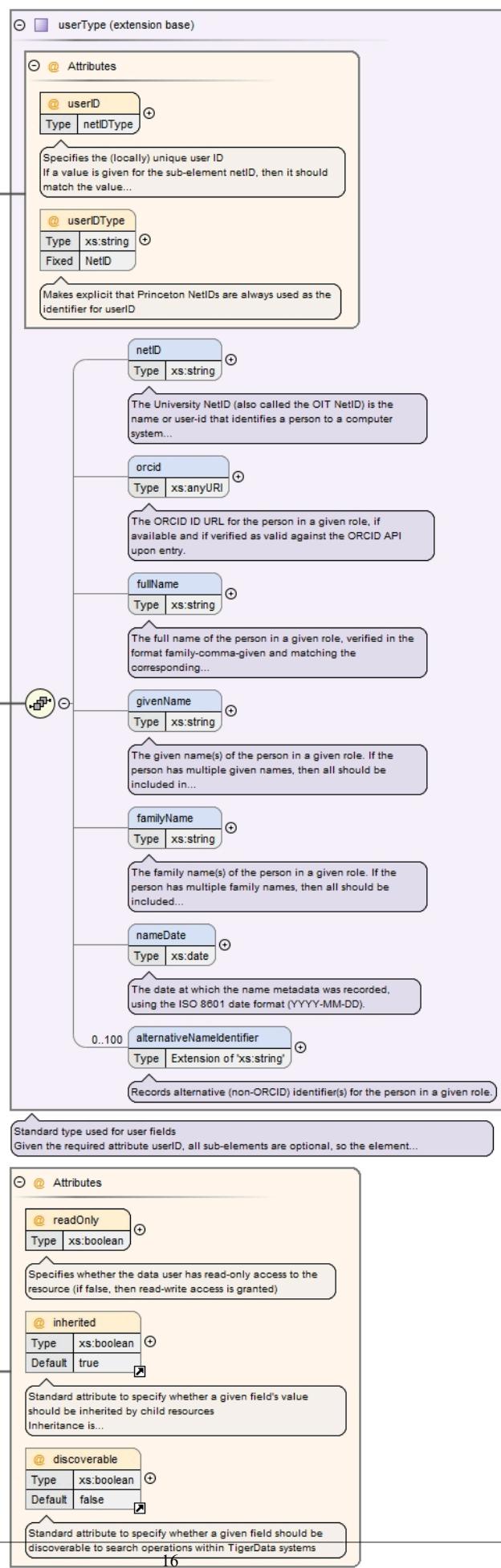


Type	extension of userType				
Type hierarchy	<ul style="list-style-type: none"> • userType 				
Properties	content: complex				
Used by	Element Group projectRoles				
Model	netID{0,1} , orcid{0,1} , fullName{0,1} , givenName{0,1} , familyName{0,1} , nameDate{0,1} , alternativeNameIdentifier{0,100}				
Children	alternativeNameIdentifier, familyName, fullName, givenName, nameDate, netID, orcid				
Instance	<pre><dataManager discoverable="true" inherited="true" trackingLevel="ResourceRecord" userID="" userIDType="NetID"> <netID>{0,1}</netID> <orcid>{0,1}</orcid> <fullName>{0,1}</fullName> <givenName>{0,1}</givenName> <familyName>{0,1}</familyName> <nameDate>{0,1}</nameDate> <alternativeNameIdentifier nameIdentifierScheme="" schemeURI="">{0,100}</alternativeNameIdentifier> </dataManager></pre>				
Attributes	QName	Type	Fixed	Default	Use
	discoverable	xs:boolean		true	optional
	Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems				
	inherited	xs:boolean		true	optional
	Standard attribute to specify whether a given field's value should be inherited by child resources				
	trackingLevel	trackingLevelType	ResourceRecord		optional
	Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)				
	userID	netIDType			required
	Specifies the (locally) unique user ID If a value is given for the sub-element netID, then it should match the value given for userID				
Source	<pre><xss:element name="dataManager"> <xss:annotation> <xss:documentation xml:lang="en">The person who manages the day-to-day activities for the project</xss:documentation> <xss:documentation xml:lang="en">Does not apply to Items</xss:documentation> </xss:annotation> <xss:complexType> <xss:complexContent> <xss:extension base="userType"> <xss:attribute ref="inherited" default="true"/> <xss:attribute ref="discoverable" default="true"/> <xss:attribute ref="trackingLevel" fixed="ResourceRecord"/> </xss:extension> </xss:complexContent> </xss:complexType> </xss:element></pre>				

Element dataUser

Namespace	No namespace
Annotations	A person who has access privileges to the resource May apply to either Projects or Items

Diagram



Type	extension of userType				
Type hierarchy	• userType				
Properties	content: complex				
Used by	Element dataUsers				
Model	netID{0,1} , orcid{0,1} , fullName{0,1} , givenName{0,1} , familyName{0,1} , nameDate{0,1} , alternativeNameIdentifier{0,100}				
Children	alternativeNameIdentifier, familyName, fullName, givenName, nameDate, netID, orcid				
Instance	<pre><dataUser discoverable="false" inherited="true" readOnly="" userID="" userIDType="NetID"> <netID>{0,1}</netID> <orcid>{0,1}</orcid> <fullName>{0,1}</fullName> <givenName>{0,1}</givenName> <familyName>{0,1}</familyName> <nameDate>{0,1}</nameDate> <alternativeNameIdentifier nameIdentifierScheme="" schemeURI="">{0,100}</ alternativeNameIdentifier> </dataUser></pre>				
Attributes	QName	Type	Fixed	Default	Use
	discoverable	xs:boolean		false	optional
		Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems			
	inherited	xs:boolean		true	optional
		Standard attribute to specify whether a given field's value should be inherited by child resources			
	readOnly	xs:boolean			required
		Specifies whether the data user has read-only access to the resource (if false, then read-write access is granted)			
Source	userID	netIDType			required
		Specifies the (locally) unique user ID			
		If a value is given for the sub-element netID, then it should match the value given for userID			
	userIDType	xs:string	NetID		optional
		Makes explicit that Princeton NetIDs are always used as the identifier for userID			

Element dataUsers

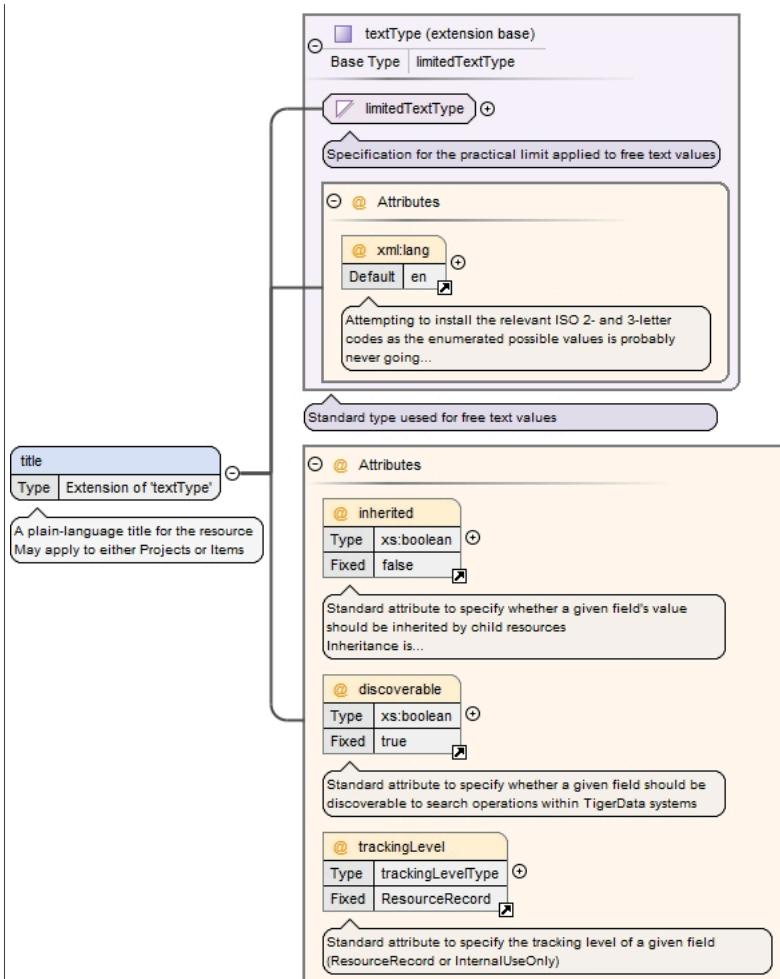
Namespace	No namespace
Annotations	The container element for all data users of a resource May apply to either Projects or Items

Diagram	<pre> classDiagram class dataUsers { @ trackingLevel : trackingLevelType <<The container element for all data users of a resource
May apply to either Projects or Items>> } class dataUser { <<A person who has access privileges to the resource
May apply to either Projects or Items>> } dataUsers "1..100" -- "dataUser" trackingLevel { Type : trackingLevelType Fixed : ResourceRecord } <<Standard attribute to specify the tracking level of a given field
(ResourceRecord or InternalUseOnly)>> </pre>												
Properties	content: complex												
Used by	Element Groups itemFields, projectRoles												
Model	dataUser{1,100}												
Children	dataUser												
Instance	<pre> <dataUsers trackingLevel="ResourceRecord"> <dataUser discoverable="false" inherited="true" readOnly="" userID="" userIDType="NetID">{1,100}</ dataUser> </dataUsers> </pre>												
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>trackingLevel</td> <td>trackingLevelType</td> <td>ResourceRecord</td> <td>optional</td> </tr> <tr> <td></td> <td colspan="3">Standard attribute to specify the tracking level of a given field
(ResourceRecord or InternalUseOnly)</td></tr> </tbody> </table>	QName	Type	Fixed	Use	trackingLevel	trackingLevelType	ResourceRecord	optional		Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)		
QName	Type	Fixed	Use										
trackingLevel	trackingLevelType	ResourceRecord	optional										
	Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)												
Source	<pre> <xs:element name="dataUsers"> <xs:annotation> <xs:documentation xml:lang="en">The container element for all data users of a resource</ xs:documentation> <xs:documentation xml:lang="en">May apply to either Projects or Items</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="dataUser" minOccurs="1" maxOccurs="100"/> </xs:sequence> <xs:attribute ref="trackingLevel" fixed="ResourceRecord"/> </xs:complexType> </xs:element> </pre>												

Element title

Namespace	No namespace
Annotations	<p>A plain-language title for the resource</p> <p>May apply to either Projects or Items</p>

Diagram



Type	extension of textType				
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • limitedTextType • textType 				
Properties	content: complex				
Used by	Element Groups itemFields, projectDescription				
Attributes	QName	Type	Fixed	Default	Use
	discoverable	xs:boolean	true		optional
		Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems			
	inherited	xs:boolean	false		optional
		Standard attribute to specify whether a given field's value should be inherited by child resources Inheritance is limited to the applicability of the field to the child resource (e.g., researchDomain may be inherited by a subproject but not an item)			
	trackingLevel	trackingLevelType	ResourceRecord		optional
		Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)			
	xmlLang	union of(xs:language, restriction of xs:string)		en	optional
		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. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry			

	QName	Type	Fixed	Default	Use	
				at http://www.iana.org/assignments/lang-tag-apps.htm for further information.		
				The union allows for the 'un-declaration' of xml:lang with the empty string.		
Source		<pre><xs:element name="title"> <xs:annotation> <xs:documentation xml:lang="en">A plain-language title for the resource</xs:documentation> <xs:documentation xml:lang="en">May apply to either Projects or Items</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="textType"> <xs:attribute ref="inherited" fixed="false"/> <xs:attribute ref="discoverable" fixed="true"/> <xs:attribute ref="trackingLevel" fixed="ResourceRecord"/> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element></pre>				

Element description

Namespace	No namespace
Annotations	<p>A plain-language description of the resource and/or its contents</p> <p>May apply to either Projects or Items</p>
Diagram	<pre> classDiagram textType < -- limitedTextType limitedTextType { @xml:lang @inherited @discoverable @trackingLevel } </pre> <p>The diagram illustrates the structure of the <code>textType</code> element. It starts with a <code>textType</code> (extension base) which inherits from a <code>Base Type</code> (<code>limitedTextType</code>). The <code>limitedTextType</code> type has several attributes:</p> <ul style="list-style-type: none"> <code>@xml:lang</code>: Default value is <code>en</code>. A note states: "Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going..." <code>@inherited</code>: Type is <code>xs:boolean</code>, Fixed value is <code>false</code>. A note states: "Standard attribute to specify whether a given field's value should be inherited by child resources. Inheritance is..." <code>@discoverable</code>: Type is <code>xs:boolean</code>, Fixed value is <code>true</code>. A note states: "Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems" <code>@trackingLevel</code>: Type is <code>trackingLevelType</code>, Fixed value is <code>ResourceRecord</code>. A note states: "Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)"
Type	extension of <code>textType</code>
Type hierarchy	<ul style="list-style-type: none"> <code>xs:string</code> <code>limitedTextType</code> <code>textType</code>

Properties	content: complex					
Used by	Element Groups itemFields, projectDescription					
Attributes	QName	Type	Fixed	Default	Use	
	discoverable	xs:boolean	true		optional	
	Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems					
	inherited	xs:boolean	false		optional	
	Standard attribute to specify whether a given field's value should be inherited by child resources Inheritance is limited to the applicability of the field to the child resource (e.g., researchDomain may be inherited by a subproject but not an item)					
	trackingLevel	trackingLevelType	ResourceRecord		optional	
	Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)					
	xml:lang	union of(xs:language, restriction of xs:string)		en	optional	
	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. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/lang-tag-apps.htm for further information. The union allows for the 'un-declaration' of xml:lang with the empty string.					
Source	<pre><xs:element name="description"> <xs:annotation> <xs:documentation xml:lang="en">A plain-language description of the resource and/or its contents</xs:documentation> <xs:documentation xml:lang="en">May apply to either Projects or Items</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="textType"> <xs:attribute ref="inherited" fixed="false"/> <xs:attribute ref="discoverable" fixed="true"/> <xs:attribute ref="trackingLevel" fixed="ResourceRecord"/> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element></pre>					

Element language

Namespace	No namespace
Annotations	Language declaration for the contents of the resource May apply to either Projects or Items
Diagram	<pre> classDiagram class language { <<Type Extension of 'xs:language'>> <<Language declaration for the contents of the resource May apply to either Projects or Items>> } class xs_language { <<Built-in derived type. The language datatype represents natural language identifiers as defined by [RFC 1766]. The base...>> } language "3" -- "1" xs_language : @ Attributes class Attributes { class inherited { <<Standard attribute to specify whether a given field's value should be inherited by child resources Inheritance is...>> } class type { <<xs:boolean>> } class default { <<true>> } } </pre>
Type	extension of xs:language
Properties	content: complex

Used by	Element	languages			
Attributes	QName	Type	Default	Use	
	inherited	xs:boolean	true	optional	
		Standard attribute to specify whether a given field's value should be inherited by child resources			
		Inheritance is limited to the applicability of the field to the child resource (e.g., researchDomain may be inherited by a subproject but not an item)			
Source		<pre><xs:element name="language"> <xs:annotation> <xs:documentation xml:lang="en">Language declaration for the contents of the resource</xs:documentation> <xs:documentation xml:lang="en">May apply to either Projects or Items</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:language"> <xs:attribute ref="inherited" default="true"/> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element></pre>			

Element languages

Namespace	No namespace																									
Annotations	The container element for all languages for a resource May apply to either Projects or Items																									
Diagram	<pre> classDiagram class languages { <<The container element for all languages for a resource May apply to either Projects or Items>> } class language { <<Language declaration for the contents of the resource May apply to either Projects or Items>> attribute discoverable xs:boolean attribute trackingLevel trackingLevelType } languages "1..100" -- "language" discoverable <<Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems>> trackingLevel <<Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)>> </pre>																									
Properties	content: complex																									
Used by	Element Groups itemFields, projectDescription																									
Model	language{1,100}																									
Children	language																									
Instance	<pre><languages discoverable="true" trackingLevel="ResourceRecord"> <language inherited="true">{1,100}</language> </languages></pre>																									
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>discoverable</td> <td>xs:boolean</td> <td>true</td> <td>optional</td> <td></td> </tr> <tr> <td></td> <td colspan="4">Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems</td></tr> <tr> <td>trackingLevel</td> <td>trackingLevelType</td> <td>ResourceRecord</td> <td>optional</td> <td></td> </tr> <tr> <td></td> <td colspan="4">Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)</td></tr> </tbody> </table>	QName	Type	Fixed	Use		discoverable	xs:boolean	true	optional			Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems				trackingLevel	trackingLevelType	ResourceRecord	optional			Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)			
QName	Type	Fixed	Use																							
discoverable	xs:boolean	true	optional																							
	Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems																									
trackingLevel	trackingLevelType	ResourceRecord	optional																							
	Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)																									
Source	<pre><xs:element name="languages"> <xs:annotation></pre>																									

```

<xs:documentation xml:lang="en">The container element for all languages for a resource</xs:documentation>
<xs:documentation xml:lang="en">May apply to either Projects or Items</xs:documentation>
</xs:annotation>
<xs:complexType>
  <xs:sequence>
    <xs:element ref="language" minOccurs="1" maxOccurs="100" />
  </xs:sequence>
  <xs:attribute ref="discoverable" fixed="true" />
  <xs:attribute ref="trackingLevel" fixed="ResourceRecord" />
</xs:complexType>
</xs:element>

```

Element fundingReference

Namespace	No namespace												
Annotations	<p>Information about financial support (funding) for the resource being registered</p> <p>May apply to either Projects or Items</p> <p>Derived from the DataCite definitions for FundingReference (v4.5+)</p> <p>https://datacite-metadata-schema.readthedocs.io/en/4.5/properties/fundingreference/</p>												
Diagram	<pre> classDiagram class fundingReference { @ inherited Type xs:boolean Default true funderName : textType funderID : Extension of xs:string awardNumber : Extension of xs:string awardTitle : textType } </pre>												
Properties	content: complex												
Used by	Element fundingReferences												
Model	funderName , funderID{0,1} , awardNumber{0,1} , awardTitle{0,1}												
Children	awardNumber, awardTitle, funderID, funderName												
Instance	<pre> <fundingReference inherited="true"> <funderName xml:lang="en">{1,1}</funderName> <funderID funderIDSchema="" funderIDType="">{0,1}</funderID> <awardNumber awardURI="">{0,1}</awardNumber> <awardTitle xml:lang="en">{0,1}</awardTitle> </fundingReference> </pre>												
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>inherited</td> <td>xs:boolean</td> <td>true</td> <td>optional</td> </tr> <tr> <td></td> <td colspan="3">Standard attribute to specify whether a given field's value should be inherited by child resources Inheritance is limited to the applicability of the field to the child resource (e.g., researchDomain may be inherited by a subproject but not an item)</td></tr> </tbody> </table>	QName	Type	Default	Use	inherited	xs:boolean	true	optional		Standard attribute to specify whether a given field's value should be inherited by child resources Inheritance is limited to the applicability of the field to the child resource (e.g., researchDomain may be inherited by a subproject but not an item)		
QName	Type	Default	Use										
inherited	xs:boolean	true	optional										
	Standard attribute to specify whether a given field's value should be inherited by child resources Inheritance is limited to the applicability of the field to the child resource (e.g., researchDomain may be inherited by a subproject but not an item)												
Source	<pre> <xs:element name="fundingReference"> <xs:annotation> </pre>												

```

<xs:documentation xml:lang="en">Information about financial support (funding) for the resource being registered</xs:documentation>
<xs:documentation xml:lang="en">May apply to either Projects or Items</xs:documentation>
<xs:documentation xml:lang="en">Derived from the DataCite definitions for FundingReference (v4.5+)</xs:documentation>
<xs:documentation>https://datacite-metadata-schema.readthedocs.io/en/4.5/properties/fundingreference/</xs:documentation>
</xs:annotation>
<xs:complexType>
  <xs:sequence>
    <xs:element name="funderName" type="textType" minOccurs="1" maxOccurs="1">
      <xs:annotation>
        <xs:documentation xml:lang="en">Records the name of the funding provider</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="funderID" minOccurs="0" maxOccurs="1">
      <xs:annotation>
        <xs:documentation xml:lang="en">Records the unique identifier for the funding provider</xs:documentation>
      </xs:annotation>
      <xs:complexType>
        <xs:simpleContent>
          <xs:extension base="xs:string">
            <xs:attribute name="funderIDType" use="required">
              <xs:annotation>
                <xs:documentation xml:lang="en">Records the type of identifier used for funderID</xs:documentation>
              </xs:annotation>
            </xs:attribute>
            <xs:simpleType>
              <xs:restriction base="xs:string">
                <xs:enumeration value="Crossref Funder ID" xml:lang="en"/>
                <xs:enumeration value="GRID" xml:lang="en"/>
                <xs:enumeration value="ISNI" xml:lang="en"/>
                <xs:enumeration value="ROR" xml:lang="en"/>
                <xs:enumeration value="Other" xml:lang="en"/>
              </xs:restriction>
            </xs:simpleType>
          </xs:extension>
        </xs:simpleContent>
      </xs:complexType>
      <xs:attribute name="funderIDSchema" type="xs:anyURI" use="optional">
        <xs:annotation>
          <xs:documentation xml:lang="en">Records the schema that defines funderIDType</xs:documentation>
        </xs:annotation>
      </xs:attribute>
      <xs:complexType>
        <xs:simpleContent>
          <xs:extension base="xs:string">
            <xs:attribute name="awardURI" type="xs:anyURI" use="optional">
              <xs:annotation>
                <xs:documentation xml:lang="en">Records the URI for the awardNumber</xs:documentation>
              </xs:annotation>
            </xs:attribute>
            <xs:complexType>
              <xs:simpleContent>
                <xs:extension base="xs:string">
                  <xs:attribute name="awardTitle" type="textType" minOccurs="0" maxOccurs="1">
                    <xs:annotation>
                      <xs:documentation xml:lang="en">Records the title for the fundingReference</xs:documentation>
                    </xs:annotation>
                  </xs:element>
                </xs:extension>
              </xs:complexType>
            </xs:simpleContent>
          </xs:extension>
        </xs:simpleContent>
      </xs:complexType>
    </xs:element>
    <xs:attribute ref="inherited" default="true"/>
  </xs:sequence>
</xs:complexType>
</xs:elements>

```

Element fundingReference / funderName

Namespace	No namespace
-----------	--------------

Annotations	Records the name of the funding provider								
Diagram	<pre> graph TD funderName[funderName Type textType] --> limitedTextType[limitedTextType] limitedTextType --> xmlLang[xml:lang Default en] </pre>								
Type	textType								
Type hierarchy	<ul style="list-style-type: none"> xs:string limitedTextType textType 								
Properties	<table> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1		
content:	complex								
minOccurs:	1								
maxOccurs:	1								
Attributes	<table> <thead> <tr> <th>QName</th> <th>Type</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>xml:lang</td> <td>union of(xs:language, restriction of xs:string)</td> <td>en</td> <td>optional</td> </tr> </tbody> </table> <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. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/lang-tag-apps.htm for further information.</p> <p>The union allows for the 'un-declaration' of xml:lang with the empty string.</p>	QName	Type	Default	Use	xml:lang	union of(xs:language, restriction of xs:string)	en	optional
QName	Type	Default	Use						
xml:lang	union of(xs:language, restriction of xs:string)	en	optional						
Source	<pre> <xss:element name="funderName" type="textType" minOccurs="1" maxOccurs="1"> <xss:annotation> <xss:documentation xml:lang="en">Records the name of the funding provider</xss:documentation> </xss:annotation> </xss:element> </pre>								

Element fundingReference / funderID

Namespace	No namespace
Annotations	Records the unique identifier for the funding provider
Diagram	<pre> graph TD funderID[funderID Type Extension of 'xs:string'] --> xsString[xs:string] xsString --> attributes[Attributes] attributes --> funderIDType[funderIDType Type Restriction of 'xs:string'] funderIDType --> funderIDSchema[funderIDSchema Type xs:anyURI] </pre>
Type	extension of xs:string

Properties	content:	complex	
	minOccurs:	0	
	maxOccurs:	1	
Attributes	QName	Type	Use
	funderIDSchema	xs:anyURI	optional
		Records the schema that defines funderIDType	
Source	funderIDType	restriction of xs:string	required
		Records the type of identifier used for funderID	
	<pre><xs:element name="funderID" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">Records the unique identifier for the funding provider</ xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="funderIDType" use="required"> <xs:annotation> <xs:documentation xml:lang="en">Records the type of identifier used for funderID</ xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="Crossref Funder ID" xml:lang="en"/> <xs:enumeration value="GRID" xml:lang="en"/> <xs:enumeration value="ISNI" xml:lang="en"/> <xs:enumeration value="ROR" xml:lang="en"/> <xs:enumeration value="Other" xml:lang="en"/> </xs:restriction> </xs:simpleType> </xs:attribute> <xs:attribute name="funderIDSchema" type="xs:anyURI" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">Records the schema that defines funderIDType</ xs:documentation> </xs:annotation> </xs:attribute> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element></pre>		

Element fundingReference / awardNumber

Namespace	No namespace									
Annotations	Records the award number for the fundingReference									
Diagram	<pre> classDiagram class awardNumber { <<Extension of xs:string>> attribute awardURI : xs:anyURI } xs:string "Built-in primitive type. The string datatype represents character strings in XML." xs:anyURI "Records the URI for the awardNumber" </pre>									
Type	extension of xs:string									
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1			
content:	complex									
minOccurs:	0									
maxOccurs:	1									
Attributes	<table border="1"> <tr> <td>QName</td> <td>Type</td> <td>Use</td> </tr> <tr> <td>awardURI</td> <td>xs:anyURI</td> <td>optional</td> </tr> <tr> <td></td> <td colspan="2">Records the URI for the awardNumber</td></tr> </table>	QName	Type	Use	awardURI	xs:anyURI	optional		Records the URI for the awardNumber	
QName	Type	Use								
awardURI	xs:anyURI	optional								
	Records the URI for the awardNumber									
Source	<pre><xs:element name="awardNumber" minOccurs="0" maxOccurs="1"> <xs:annotation></pre>									

```

<xs:documentation xml:lang="en">Records the award number for the fundingReference</xs:documentation>
</xs:annotation>
<xs:complexType>
  <xs:simpleContent>
    <xs:extension base="xs:string">
      <xs:attribute name="awardURI" type="xs:anyURI" use="optional">
        <xs:annotation>
          <xs:documentation xml:lang="en">Records the URI for the awardNumber</xs:documentation>
        </xs:annotation>
      </xs:attribute>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
</xs:element>

```

Element fundingReference / awardTitle

Namespace	No namespace												
Annotations	Records the title for the fundingReference												
Diagram	<p>The diagram illustrates the type hierarchy for the <code>awardTitle</code> element. It shows that <code>awardTitle</code> is a type of <code>textType</code>. <code>textType</code> is a base type that includes a restriction named <code>limitedTextType</code>. This restriction is described as 'Specification for the practical limit applied to free text values'. The <code>limitedTextType</code> restriction has an attribute <code>@xml:lang</code> with a default value of 'en'. A note states: 'Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going...'. A footer note says: 'Standard type used for free text values'.</p>												
Type	<code>textType</code>												
Type hierarchy	<ul style="list-style-type: none"> • <code>xs:string</code> <ul style="list-style-type: none"> • <code>limitedTextType</code> • <code>textType</code> 												
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1						
content:	complex												
minOccurs:	0												
maxOccurs:	1												
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>xml:lang</code></td> <td>union of(xs:language, restriction of xs:string)</td> <td>en</td> <td>optional</td> </tr> <tr> <td></td> <td>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. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/lang-tag-apps.htm for further information. The union allows for the 'un-declaration' of <code>xml:lang</code> with the empty string.</td> <td></td> <td></td> </tr> </tbody> </table>	QName	Type	Default	Use	<code>xml:lang</code>	union of(xs:language, restriction of xs:string)	en	optional		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. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/lang-tag-apps.htm for further information. The union allows for the 'un-declaration' of <code>xml:lang</code> with the empty string.		
QName	Type	Default	Use										
<code>xml:lang</code>	union of(xs:language, restriction of xs:string)	en	optional										
	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. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/lang-tag-apps.htm for further information. The union allows for the 'un-declaration' of <code>xml:lang</code> with the empty string.												
Source	<pre> <xs:element name="awardTitle" type="textType" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">Records the title for the fundingReference</xs:documentation> </xs:annotation> </xs:element> </pre>												

Element fundingReferences

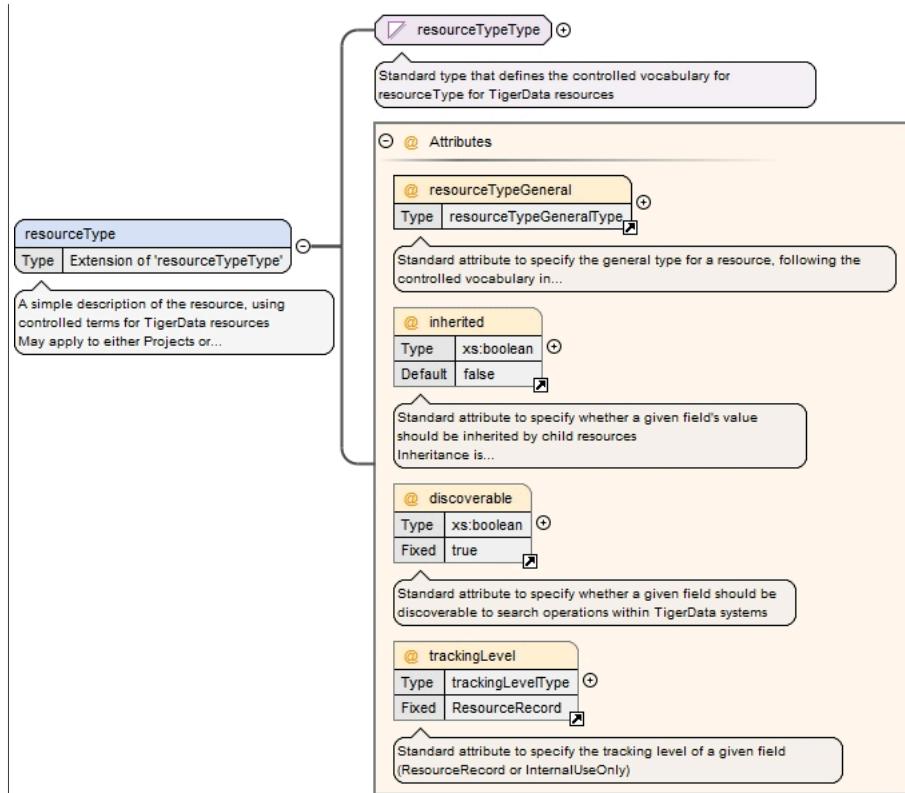
Namespace	No namespace
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Annotations	<p>The container element for all funding references for a resource May apply to either Projects or Items Derived from the DataCite controlled vocabulary for resourceTypeGeneral (v4.5+)</p>																				
Diagram	<pre> classDiagram class fundingReferences { @discoverable : xs:boolean @trackingLevel : trackingLevelType <> fundingReference[1..100] } </pre>																				
Properties	content: complex																				
Used by	Element Groups additionalProjectInformation, itemFields																				
Model	fundingReference{1,100}																				
Children	fundingReference																				
Instance	<pre> <fundingReferences discoverable="true" trackingLevel="ResourceRecord"> <fundingReference inherited="true">{1,100}</fundingReference> </fundingReferences> </pre>																				
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>discoverable</td> <td>xs:boolean</td> <td>true</td> <td>optional</td> </tr> <tr> <td></td> <td></td> <td></td> <td>Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems</td> </tr> <tr> <td>trackingLevel</td> <td>trackingLevelType</td> <td>ResourceRecord</td> <td>optional</td> </tr> <tr> <td></td> <td></td> <td></td> <td>Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)</td> </tr> </tbody> </table>	QName	Type	Fixed	Use	discoverable	xs:boolean	true	optional				Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems	trackingLevel	trackingLevelType	ResourceRecord	optional				Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)
QName	Type	Fixed	Use																		
discoverable	xs:boolean	true	optional																		
			Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems																		
trackingLevel	trackingLevelType	ResourceRecord	optional																		
			Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)																		
Source	<pre> <xs:element name="fundingReferences"> <xs:annotation> <xs:documentation xml:lang="en">The container element for all funding references for a resource</xs:documentation> <xs:documentation xml:lang="en">May apply to either Projects or Items</xs:documentation> <xs:documentation xml:lang="en">Derived from the DataCite controlled vocabulary for resourceTypeGeneral (v4.5+)</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="fundingReference" minOccurs="1" maxOccurs="100"/> </xs:sequence> <xs:attribute ref="discoverable" fixed="true"/> <xs:attribute ref="trackingLevel" fixed="ResourceRecord"/> </xs:complexType> </xs:element> </pre>																				

Element resourceType

Namespace	No namespace
Annotations	<p>A simple description of the resource, using controlled terms for TigerData resources May apply to either Projects or Items Derived from the DataCite controlled vocabulary for resourceTypeGeneral (v4.5+)</p>

Diagram



Type	extension of resourceTypeType																																																	
Type hierarchy	<ul style="list-style-type: none"> • xs:string • resourceTypeType 																																																	
Properties	content: complex																																																	
Used by	Element Groups additionalProjectInformation, itemFields																																																	
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>discoverable</td> <td>xs:boolean</td> <td>true</td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems</td></tr> <tr> <td>inherited</td> <td>xs:boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">Standard attribute to specify whether a given field's value should be inherited by child resources Inheritance is limited to the applicability of the field to the child resource (e.g., researchDomain may be inherited by a subproject but not an item)</td></tr> <tr> <td>resourceTypeGeneral</td> <td>resourceTypeGeneralType</td> <td></td> <td></td> <td>required</td> </tr> <tr> <td></td> <td colspan="4">Standard attribute to specify the general type for a resource, following the controlled vocabulary in resourceTypeGeneralType Derived from the DataCite controlled vocabulary for resourceTypeGeneral (v4.5+)</td></tr> <tr> <td>trackingLevel</td> <td>trackingLevelType</td> <td>ResourceRecord</td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)</td></tr> </tbody> </table>					QName	Type	Fixed	Default	Use	discoverable	xs:boolean	true		optional		Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems				inherited	xs:boolean		false	optional		Standard attribute to specify whether a given field's value should be inherited by child resources Inheritance is limited to the applicability of the field to the child resource (e.g., researchDomain may be inherited by a subproject but not an item)				resourceTypeGeneral	resourceTypeGeneralType			required		Standard attribute to specify the general type for a resource, following the controlled vocabulary in resourceTypeGeneralType Derived from the DataCite controlled vocabulary for resourceTypeGeneral (v4.5+)				trackingLevel	trackingLevelType	ResourceRecord		optional		Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)			
QName	Type	Fixed	Default	Use																																														
discoverable	xs:boolean	true		optional																																														
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resourceTypeGeneral	resourceTypeGeneralType			required																																														
	Standard attribute to specify the general type for a resource, following the controlled vocabulary in resourceTypeGeneralType Derived from the DataCite controlled vocabulary for resourceTypeGeneral (v4.5+)																																																	
trackingLevel	trackingLevelType	ResourceRecord		optional																																														
	Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)																																																	
Source	<pre> <xss:element name="resourceType"> <xss:annotation> <xss:documentation xml:lang="en">A simple description of the resource, using controlled terms for TigerData resources</xss:documentation> <xss:documentation xml:lang="en">May apply to either Projects or Items</xss:documentation> <xss:documentation xml:lang="en">Derived from the DataCite controlled vocabulary for resourceTypeGeneral (v4.5+)</xss:documentation> </xss:annotation> <xss:complexType> <xss:simpleContent> <xss:extension base="resourceTypeType"> </pre>																																																	

```

<xs:attribute ref="resourceTypeGeneral" use="required"/>
<xs:attribute ref="inherited" default="false"/>
<xs:attribute ref="discoverable" fixed="true"/>
<xs:attribute ref="trackingLevel" fixed="ResourceRecord"/>
</xs:extension>
</xs:simpleContent>
</xs:complexType>
</xs:element>

```

Element license

Namespace	No namespace																																			
Annotations	<p>Specific rights granted for copying and reusing the resource May apply to either Projects or Items</p>																																			
Diagram																																				
Type	extension of licenseType																																			
Type hierarchy	<ul style="list-style-type: none"> • xs:string • licenseType 																																			
Properties	content: complex																																			
Used by	Element licenses																																			
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>inherited</td> <td>xs:boolean</td> <td></td> <td>true</td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">Standard attribute to specify whether a given field's value should be inherited by child resources Inheritance is limited to the applicability of the field to the child resource (e.g., researchDomain may be inherited by a subproject but not an item)</td></tr> <tr> <td>licenseID</td> <td>licenseIDType</td> <td></td> <td>required</td> <td></td> </tr> <tr> <td></td> <td colspan="4">Specifies the short, standardized version of the license name</td></tr> <tr> <td>licenseIDScheme</td> <td>xs:string</td> <td>SPDX</td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">Specifies the scheme used for licenseID</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	inherited	xs:boolean		true	optional		Standard attribute to specify whether a given field's value should be inherited by child resources Inheritance is limited to the applicability of the field to the child resource (e.g., researchDomain may be inherited by a subproject but not an item)				licenseID	licenseIDType		required			Specifies the short, standardized version of the license name				licenseIDScheme	xs:string	SPDX		optional		Specifies the scheme used for licenseID			
QName	Type	Fixed	Default	Use																																
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licenseID	licenseIDType		required																																	
	Specifies the short, standardized version of the license name																																			
licenseIDScheme	xs:string	SPDX		optional																																
	Specifies the scheme used for licenseID																																			

	QName	Type	Fixed	Default	Use
	licenseIDSchemeURI	xs:anyURI	https://spdx.org/licenses/		optional
	Specifies the URI of the scheme given by licenseIDScheme				
	licenseURI	licenseURIType			required
	Specifies the URI of the license				
Source	<pre><xs:element name="license"> <xs:annotation> <xs:documentation xml:lang="en">Specific rights granted for copying and reusing the resource</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="licenseType"> <xs:attribute name="licenseURI" type="licenseURIType" use="required"> <xs:annotation> <xs:documentation xml:lang="en">Specifies the URI of the license</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute name="licenseID" type="licenseIDType" use="required"> <xs:annotation> <xs:documentation xml:lang="en">Specifies the short, standardized version of the license name</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute name="licenseIDScheme" type="xs:string" fixed="SPDX"> <xs:annotation> <xs:documentation xml:lang="en">Specifies the scheme used for licenseID</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute name="licenseIDSchemeURI" type="xs:anyURI" fixed="https://spdx.org/licenses/"> <xs:annotation> <xs:documentation xml:lang="en">Specifies the URI of the scheme given by licenseIDScheme</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute ref="inherited" default="true"/> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element></pre>				

Element licenses

Namespace	No namespace
Annotations	The container element for all licenses for a resource May apply to either Projects or Items
Diagram	<pre> classDiagram class licenses { @ discoverable Type xs:boolean Fixed true Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems } class license { @ trackingLevel Type trackingLevelType Fixed ResourceRecord Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly) } licenses "1..100" -- "1" license license "1..100" license license { Type Extension of 'licenseType' Specific rights granted for copying and reusing the resource May apply to either Projects or Items } </pre>
Properties	content: complex
Used by	Element Groups additionalProjectInformation, itemFields

Model	license{1,100}				
Children	license				
Instance	<pre><licenses discoverable="true" trackingLevel="ResourceRecord"> <license inherited="true" licenseID="" licenseIDScheme="SPDX" licenseIDSchemeURI="https://spdx.org/licenses/" licenseURI="">{1,100}</license> </licenses></pre>				
Attributes	QName	Type	Fixed	Use	
	discoverable	xs:boolean	true	optional	
		Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems			
	trackingLevel	trackingLevelType	ResourceRecord	optional	
		Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)			
Source	<pre><x:element name="licenses"> <x:annotation> <x:documentation xml:lang="en">The container element for all licenses for a resource</x:documentation> <x:documentation> <x:documentation xml:lang="en">May apply to either Projects or Items</x:documentation> </x:annotation> <x:complexType> <x:sequence> <x:element ref="license" minOccurs="1" maxOccurs="100"/> </x:sequence> <x:attribute ref="discoverable" fixed="true"/> <x:attribute ref="trackingLevel" fixed="ResourceRecord"/> </x:complexType> </x:element></pre>				

Element duaReference

Namespace	No namespace
Annotations	<p>Information about formal agreements governing data use pertaining to the resource</p> <p>DUA is short for Data Use Agreement</p> <p>May apply to either Projects or Items</p>
Diagram	<pre> classDiagram class duaReference { @inherited : xs:boolean grantorName : textType dualID : Extension of xs:string duaTitle : textType } @inherited { Type : xs:boolean Default : true } grantorName { Type : textType Description : Records the name of the DUA grantor } dualID { Type : Extension of xs:string Description : Records the identifier for the DUA } duaTitle { Type : textType Description : Records the title for the DUA } </pre>
Properties	content: complex
Used by	Element duaReferences
Model	grantorName , dualID{0,1} , duaTitle{0,1}
Children	dualID, duaTitle, grantorName
Instance	<pre><duaReference inherited="true"> <grantorName xml:lang="en">{1,1}</grantorName> <dualID dualURI="">{0,1}</dualID> <duaTitle xml:lang="en">{0,1}</duaTitle> </duaReference></pre>

Attributes	QName	Type	Default	Use
	inherited	xs:boolean	true	optional
	Standard attribute to specify whether a given field's value should be inherited by child resources			
	Inheritance is limited to the applicability of the field to the child resource (e.g., researchDomain may be inherited by a subproject but not an item)			
Source	<pre> <xs:element name="duaReference"> <xs:annotation> <xs:documentation xml:lang="en">Information about formal agreements governing data use pertaining to the resource</xs:documentation> <xs:documentation xml:lang="en">DUA is short for Data Use Agreement</xs:documentation> <xs:documentation xml:lang="en">May apply to either Projects or Items</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="grantorName" type="textType" minOccurs="1" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">Records the name of the DUA grantor</xs:documentation> </xs:annotation> </xs:element> <xs:element name="duaID" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">Records the identifier for the DUA</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="duaURI" type="xs:anyURI" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">Records the URI for the DUA</xs:documentation> </xs:annotation> </xs:attribute> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:sequence> <xs:element name="duaTitle" type="textType" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">Records the title for the DUA</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> <xs:attribute ref="inherited" default="true"/> </xs:complexType> </xs:element> </pre>			

Element duaReference / grantorName

Namespace	No namespace
Annotations	Records the name of the DUA grantor
Diagram	<pre> classDiagram class grantorName { Type textType } class textType { Base Type limitedTextType } class limitedTextType { Specification for the practical limit applied to free text values @ Attributes @ xml:lang Default en Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going... } Standard type used for free text values </pre>
Type	textType
Type hierarchy	<ul style="list-style-type: none"> • xs:string • limitedTextType

	<ul style="list-style-type: none"> textType 				
Properties	content: complex minOccurs: 1 maxOccurs: 1				
Attributes	QName Type Default Use xml:lang union of(xs:language, restriction of xs:string) en optional				
	<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. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/lang-tag-apps.htm for further information.</p> <p>The union allows for the 'un-declaration' of xml:lang with the empty string.</p>				
Source	<pre><xs:element name="grantorName" type="textType" minOccurs="1" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">Records the name of the DUA grantor</xs:documentation> </xs:annotation> </xs:element></pre>				

Element duaReference / duaID

Namespace	No namespace				
Annotations	Records the identifier for the DUA				
Diagram	<pre> classDiagram class duaID { <<Extension of 'xs:string'>> <<Records the identifier for the DUA>> } class xsString { <<Built-in primitive type. The string datatype represents character strings in XML.>> } class Attributes { <<@ Attributes>> } class duaURI { <<Type xs:anyURI>> <<Records the URI for the DUA>> } class duaID < -- xsString class duaID < -- Attributes class xsString < -- duaURI </pre>				
Type	extension of xs:string				
Properties	content: complex minOccurs: 0 maxOccurs: 1				
Attributes	QName	Type	Use		
	duaURI	xs:anyURI	optional		
	Records the URI for the DUA				
Source	<pre><xs:element name="duaID" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">Records the identifier for the DUA</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="duaURI" type="xs:anyURI" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">Records the URI for the DUA</xs:documentation> </xs:annotation> </xs:attribute> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element></pre>				

Element duaReference / duaTitle

Namespace	No namespace
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Annotations	Records the title for the DUA												
Diagram	<pre> classDiagram textType < -- limitedTextType limitedTextType < -- duaTitle class textType { <<Base Type limitedTextType>> } class limitedTextType { <<Specification for the practical limit applied to free text values>> } class duaTitle { <<Type textType>> <<Records the title for the DUA>> } class Attributes { <<@ Attributes>> class xmlLang { <<@ xml:lang>> Default en <<Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going...>> } } class StandardType { <<Standard type used for free text values>> } </pre>												
Type	textType												
Type hierarchy	<ul style="list-style-type: none"> xs:string limitedTextType textType 												
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1						
content:	complex												
minOccurs:	0												
maxOccurs:	1												
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>xml:lang</td> <td>union of(xs:language, restriction of xs:string)</td> <td>en</td> <td>optional</td> </tr> <tr> <td></td> <td> 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. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/lang-tag-apps.htm for further information. The union allows for the 'un-declaration' of xml:lang with the empty string. </td> <td></td> <td></td> </tr> </tbody> </table>	QName	Type	Default	Use	xml:lang	union of(xs:language, restriction of xs:string)	en	optional		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. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/lang-tag-apps.htm for further information. The union allows for the 'un-declaration' of xml:lang with the empty string.		
QName	Type	Default	Use										
xml:lang	union of(xs:language, restriction of xs:string)	en	optional										
	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. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/lang-tag-apps.htm for further information. The union allows for the 'un-declaration' of xml:lang with the empty string.												
Source	<pre> <xss:element name="duaTitle" types="textType" minOccurs="0" maxOccurs="1"> <xss:annotation> <xss:documentation xml:lang="en">Records the title for the DUA</xss:documentation> </xss:annotation> </xss:element> </pre>												

Element duaReferences

Namespace	No namespace
Annotations	<p>The container element for all DUA references for a resource</p> <p>DUAs are short for Data Use Agreements</p> <p>May apply to either Projects or Items</p>

Diagram	<pre> classDiagram class duaReferences { @discoverable @trackingLevel +duaReference[1..100] } class duaReference { <> discoverable <> trackingLevel } class Attribute { @discoverable Type xs:boolean Fixed true } class Attribute { @trackingLevel Type trackingLevelType Fixed ResourceRecord } class Attribute { <> trackingLevel Type trackingLevelType Fixed ResourceRecord } class Attribute { <> discoverable Type xs:boolean Fixed true } </pre>																				
Properties	content: complex																				
Used by	Element Groups additionalProjectInformation, itemFields																				
Model	duaReference{1,100}																				
Children	duaReference																				
Instance	<duaReferences discoverable="true" trackingLevel="ResourceRecord"> <duaReference inherited="true">{1,100}</duaReference> </duaReferences>																				
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>discoverable</td> <td>xs:boolean</td> <td>true</td> <td>optional</td> </tr> <tr> <td></td> <td></td> <td></td> <td>Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems</td> </tr> <tr> <td>trackingLevel</td> <td>trackingLevelType</td> <td>ResourceRecord</td> <td>optional</td> </tr> <tr> <td></td> <td></td> <td></td> <td>Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)</td> </tr> </tbody> </table>	QName	Type	Fixed	Use	discoverable	xs:boolean	true	optional				Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems	trackingLevel	trackingLevelType	ResourceRecord	optional				Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)
QName	Type	Fixed	Use																		
discoverable	xs:boolean	true	optional																		
			Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems																		
trackingLevel	trackingLevelType	ResourceRecord	optional																		
			Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)																		
Source	<pre> <xs:element name="duaReferences"> <xs:annotation> <xs:documentation xml:lang="en">The container element for all DUA references for a resource</xs:documentation> <xs:documentation xml:lang="en">DUA is short for Data Use Agreement</xs:documentation> <xs:documentation xml:lang="en">May apply to either Projects or Items</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="duaReference" minOccurs="1" maxOccurs="100"/> </xs:sequence> <xs:attribute ref="discoverable" fixed="true"/> <xs:attribute ref="trackingLevel" fixed="ResourceRecord"/> </xs:complexType> </xs:element> </pre>																				

Element startDate

Namespace	No namespace
Annotations	<p>The date when the resource became, or will become, active (may be estimated)</p> <p>The value must not be chronologically earlier than that of the approvalDateTime subfield under the submission field</p> <p>Unlike provenance records, this date field is discoverable and tracked in the resource record</p> <p>May apply to either Projects or Items</p>

Diagram	<p>The diagram illustrates the inheritance of attributes from the base type <code>xs:date</code> to the element <code>startDate</code>. It shows a callout from the <code>xs:date</code> type to its documentation, which includes a section on attributes. An arrow points from the <code>inherited</code> attribute definition in the <code>xs:date</code> documentation to the <code>inherited</code> attribute definition in the <code>startDate</code> element's documentation, indicating that the value of <code>inherited</code> is inherited from <code>xs:date</code>.</p>								
Type	extension of <code>xs:date</code>								
Properties	content: complex								
Used by	Element dates								
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>inherited</td><td><code>xs:boolean</code></td><td>true</td><td>optional</td></tr> </tbody> </table> <p>Standard attribute to specify whether a given field's value should be inherited by child resources Inheritance is limited to the applicability of the field to the child resource (e.g., <code>researchDomain</code> may be inherited by a subproject but not an item)</p>	QName	Type	Default	Use	inherited	<code>xs:boolean</code>	true	optional
QName	Type	Default	Use						
inherited	<code>xs:boolean</code>	true	optional						
Source	<pre> <xs:element name="startDate"> <xs:annotation> <xs:documentation xml:lang="en">The date when the resource became, or will become, active (may be estimated)</xs:documentation> <xs:documentation xml:lang="en">The value must not be chronologically earlier than that of the approvalDateTime subfield under the submission field</xs:documentation> <xs:documentation xml:lang="en">Unlike provenance records, this date field is discoverable and tracked in the resource record</xs:documentation> <xs:documentation xml:lang="en">May apply to either Projects or Items</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:date"> <xs:attribute ref="inherited" default="true"/> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element> </pre>								

Element endDate

Namespace	No namespace
Annotations	<p>The date when the resource became, or will become, inactive (may be estimated) The value must not be chronologically earlier than that of <code>startDate</code>, nor later than that of <code>retirementDate</code> Unlike provenance records, this date field is discoverable and tracked in the resource record May apply to either Projects or Items</p>
Diagram	<p>The diagram illustrates the inheritance of attributes from the base type <code>xs:date</code> to the element <code>endDate</code>. It shows a callout from the <code>xs:date</code> type to its documentation, which includes a section on attributes. An arrow points from the <code>inherited</code> attribute definition in the <code>xs:date</code> documentation to the <code>inherited</code> attribute definition in the <code>endDate</code> element's documentation, indicating that the value of <code>inherited</code> is inherited from <code>xs:date</code>.</p>
Type	extension of <code>xs:date</code>

Properties	content: complex			
Used by	Element dates			
Attributes	QName inherited	Type xs:boolean	Default true	Use optional
		Standard attribute to specify whether a given field's value should be inherited by child resources Inheritance is limited to the applicability of the field to the child resource (e.g., researchDomain may be inherited by a subproject but not an item)		
Source	<pre><xs:element name="endDate"> <xs:annotation> <xs:documentation xml:lang="en">The date when the resource became, or will become, inactive (may be estimated)</xs:documentation> <xs:documentation xml:lang="en">The value must not be chronologically earlier than that of startDate, nor later than that of retirementDate</xs:documentation> <xs:documentation xml:lang="en">Unlike provenance records, this date field is discoverable and tracked in the resource record</xs:documentation> <xs:documentation xml:lang="en">May apply to either Projects or Items</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:date"> <xs:attribute ref="inherited" default="true"/> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element></pre>			

Element retirementDate

Namespace	No namespace								
Annotations	<p>The date when the resource became, or will become, no longer useful to the primary users (may be estimated)</p> <p>The value must not be chronologically earlier than that of endDate, nor later than that of the approvalDateTime subfield under the retirement field</p> <p>Unlike provenance records, this date field is discoverable and tracked in the resource record</p> <p>May apply to either Projects or Items</p>								
Diagram	<pre> classDiagram class xsdate { <<Built-in primitive type. The date datatype represents a calendar date.>> } class retirementDate { <<The date when the resource became, or will become, no longer useful to the primary users (may be estimated) The value...>> <<Type Extension of 'xs:date'>> } xsdate < -- retirementDate class Attributes { class inherited { <<Standard attribute to specify whether a given field's value should be inherited by child resources Inheritance is...>> Type xs:boolean Fixed true } } </pre>								
Type	extension of xs:date								
Properties	content: complex								
Used by	Element dates								
Attributes	<table border="1"> <tr> <td>QName inherited</td> <td>Type xs:boolean</td> <td>Fixed true</td> <td>Use optional</td> </tr> <tr> <td colspan="4">Standard attribute to specify whether a given field's value should be inherited by child resources Inheritance is limited to the applicability of the field to the child resource (e.g., researchDomain may be inherited by a subproject but not an item)</td></tr> </table>	QName inherited	Type xs:boolean	Fixed true	Use optional	Standard attribute to specify whether a given field's value should be inherited by child resources Inheritance is limited to the applicability of the field to the child resource (e.g., researchDomain may be inherited by a subproject but not an item)			
QName inherited	Type xs:boolean	Fixed true	Use optional						
Standard attribute to specify whether a given field's value should be inherited by child resources Inheritance is limited to the applicability of the field to the child resource (e.g., researchDomain may be inherited by a subproject but not an item)									
Source	<pre><xs:element name="retirementDate"> <xs:annotation></pre>								

```

<xs:documentation xml:lang="en">The date when the resource became, or will become, no longer
useful to the primary users (may be estimated)</xs:documentation>
<xs:documentation xml:lang="en">The value must not be chronologically earlier than that of
endDate, nor later than that of the approvalDateTime subfield under the retirement field</
xs:documentation>
<xs:documentation xml:lang="en">Unlike provenance records, this date field is discoverable and
tracked in the resource record</xs:documentation>
<xs:documentation xml:lang="en">May apply to either Projects or Items</xs:documentation>
</xs:annotation>
<xs:complexType>
<xs:simpleContent>
<xs:extension base="xs:date">
<xs:attribute ref="inherited" fixed="true" />
</xs:extension>
</xs:simpleContent>
</xs:complexType>
</xs:element>

```

Element publicationDate

Namespace	No namespace																
Annotations	<p>The date when the resource became, or will become, publicly available (may be estimated)</p> <p>The value must not be chronologically earlier than that of startDate, nor later than that of the approvalDateTime subfield under the publication field</p> <p>Unlike provenance records, this date field is discoverable and tracked in the resource record</p> <p>Does not apply to Items</p>																
Diagram	<pre> classDiagram class publicationDate { <<Type Extension of 'xs:date'>> <<The date when the resource became, or will become, publicly available (may be estimated) The value must not be...>> } class xsdate { <<Built-in primitive type. The date datatype represents a calendar date.>> } publicationDate < -- xsdate attribute @inherited { <<@ inherited Type xs:boolean Fixed true Standard attribute to specify whether a given field's value should be inherited by child resources Inheritance is... >> } </pre>																
Type	extension of xs:date																
Properties	content: complex																
Used by	Element dates																
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>inherited</td> <td>xs:boolean</td> <td>true</td> <td>optional</td> </tr> <tr> <td></td> <td></td> <td>Standard attribute to specify whether a given field's value should be inherited by child resources</td> <td></td> </tr> <tr> <td></td> <td></td> <td>Inheritance is limited to the applicability of the field to the child resource (e.g., researchDomain may be inherited by a subproject but not an item)</td> <td></td> </tr> </tbody> </table>	QName	Type	Fixed	Use	inherited	xs:boolean	true	optional			Standard attribute to specify whether a given field's value should be inherited by child resources				Inheritance is limited to the applicability of the field to the child resource (e.g., researchDomain may be inherited by a subproject but not an item)	
QName	Type	Fixed	Use														
inherited	xs:boolean	true	optional														
		Standard attribute to specify whether a given field's value should be inherited by child resources															
		Inheritance is limited to the applicability of the field to the child resource (e.g., researchDomain may be inherited by a subproject but not an item)															
Source	<pre> <xs:element name="publicationDate"> <xs:annotation> <xs:documentation xml:lang="en">The date when the resource became, or will become, publicly available (may be estimated)</xs:documentation> <xs:documentation xml:lang="en">The value must not be chronologically earlier than that of startDate, nor later than that of the approvalDateTime subfield under the publication field</ xs:documentation> <xs:documentation xml:lang="en">Unlike provenance records, this date field is discoverable and tracked in the resource record</xs:documentation> <xs:documentation xml:lang="en">Does not apply to Items</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:date"> <xs:attribute ref="inherited" fixed="true" /> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element> </pre>																

Element otherDate

Namespace	No namespace																												
Annotations	<p>A date or date range relevant to the resource, not captured by any other date field</p> <p>Unlike provenance records, this date field is discoverable and tracked in the resource record</p> <p>May apply to either Projects or Items</p>																												
Diagram	<pre> classDiagram dateOrRangeType < -- otherDate dateOrRangeType { <<Standard type used for values that may be either dates or date ranges Applies a pattern aligned with...>> } otherDate { <<A date or date range relevant to the resource, not captured by any other date field Unlike provenance records, this...>> @Attributes dateType : dateTypeType <--> dateOrRangeType dateInformation : limitedTextType inherited : xs:boolean <<More information about the value of otherDate (recommended if dateType is Other)>> <<Standard attribute to specify whether a given field's value should be inherited by child resources Inheritance is...>> } </pre>																												
Type	extension of dateOrRangeType																												
Type hierarchy	<ul style="list-style-type: none"> • xs:string • dateOrRangeType 																												
Properties	content: complex																												
Used by	Element dates																												
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>dateInformation</td> <td>limitedTextType</td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="3">More information about the value of otherDate (recommended if dateType is Other)</td></tr> <tr> <td>dateType</td> <td>dateTypeType</td> <td></td> <td>required</td> </tr> <tr> <td>inherited</td> <td>xs:boolean</td> <td>true</td> <td>optional</td> </tr> <tr> <td></td> <td colspan="3">Standard attribute to specify whether a given field's value should be inherited by child resources</td></tr> <tr> <td></td> <td colspan="3">Inheritance is limited to the applicability of the field to the child resource (e.g., researchDomain may be inherited by a subproject but not an item)</td></tr> </tbody> </table>	QName	Type	Default	Use	dateInformation	limitedTextType		optional		More information about the value of otherDate (recommended if dateType is Other)			dateType	dateTypeType		required	inherited	xs:boolean	true	optional		Standard attribute to specify whether a given field's value should be inherited by child resources				Inheritance is limited to the applicability of the field to the child resource (e.g., researchDomain may be inherited by a subproject but not an item)		
QName	Type	Default	Use																										
dateInformation	limitedTextType		optional																										
	More information about the value of otherDate (recommended if dateType is Other)																												
dateType	dateTypeType		required																										
inherited	xs:boolean	true	optional																										
	Standard attribute to specify whether a given field's value should be inherited by child resources																												
	Inheritance is limited to the applicability of the field to the child resource (e.g., researchDomain may be inherited by a subproject but not an item)																												
Source	<pre> <xs:element name="otherDate"> <xs:annotation> <xs:documentation xml:lang="en">A date or date range relevant to the resource, not captured by any other date field</xs:documentation> <xs:documentation xml:lang="en">Unlike provenance records, this date field is discoverable and tracked in the resource record</xs:documentation> <xs:documentation xml:lang="en">May apply to either Projects or Items</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="dateOrRangeType"> <xs:attribute name="dateType" type="dateTypeType" use="required"/> <xs:attribute name="dateInformation" type="limitedTextType" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">More information about the value of otherDate (recommended if dateType is Other)</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute ref="inherited" default="true"/> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element> </pre>																												

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</xs:complexType>
</xs:element>
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Element dates

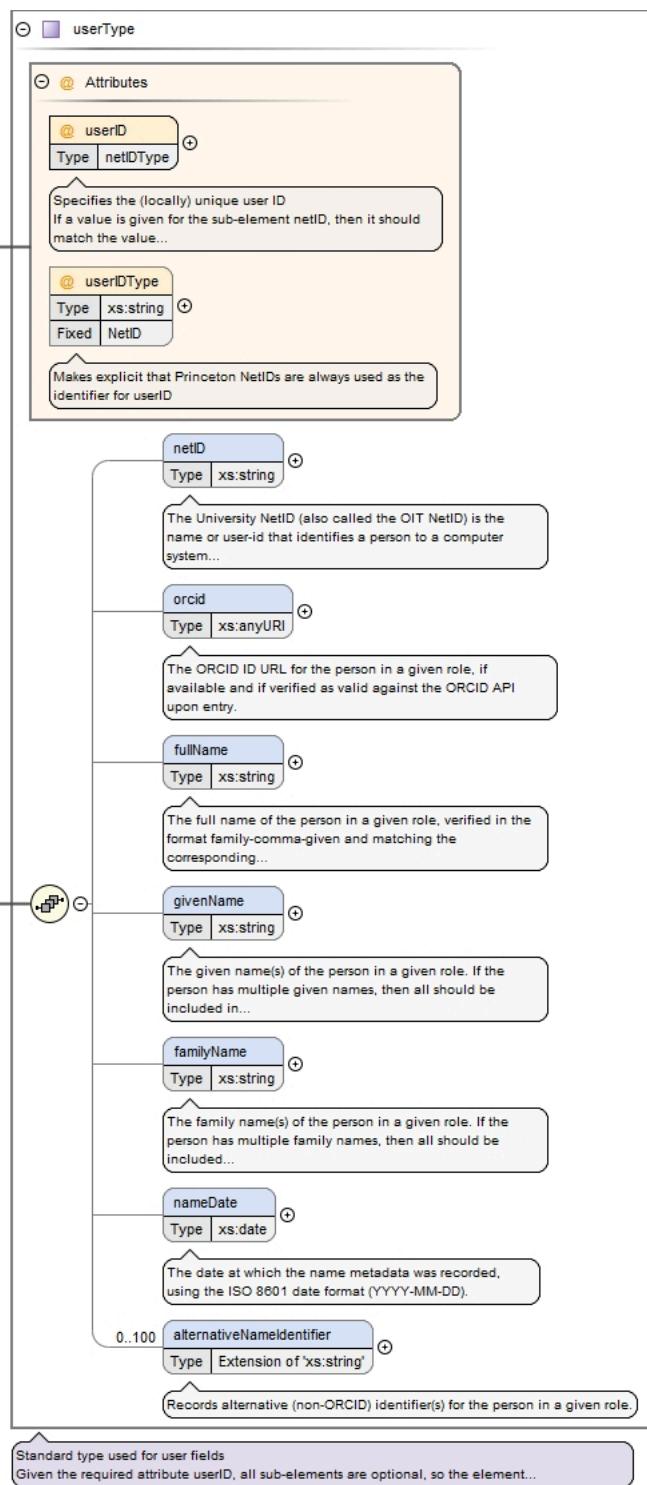
Namespace	No namespace
Annotations	<p>The container element for all date elements that apply to a resource</p> <p>Unlike provenance records, these date fields are all discoverable and tracked in the resource record</p> <p>If the dates element is present, then it should contain at least one sub-element</p> <p>May apply to either Projects or Items</p>
Diagram	
Properties	content: complex
Used by	Element Groups additionalProjectInformation, itemFields
Model	startdate{0,1} , endDate{0,1} , retirementDate{0,1} , publicationDate{0,1} , otherDate{0,100}
Children	endDate, otherDate, publicationDate, retirementDate, startDate
Instance	<pre><dates discoverable="true" trackingLevel="ResourceRecord"> <startDate inherited="true">{0,1}</startDate> <endDate inherited="true">{0,1}</endDate> <retirementDate inherited="true">{0,1}</retirementDate> <publicationDate inherited="true">{0,1}</publicationDate> <otherDate dateInformation="" dateType="" inherited="true">{0,100}</otherDate> </dates></pre>

Attributes	QName	Type	Fixed	Use	
	discoverable	xs:boolean	true	optional	
	Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems				
	trackingLevel	trackingLevelType	ResourceRecord	optional	
	Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)				
Source	<pre> <xs:element name="dates"> <xs:annotation> <xs:documentation xml:lang="en">The container element for all date elements that apply to a resource</xs:documentation> <xs:documentation xml:lang="en">Unlike provenance records, these date fields are all discoverable and tracked in the resource record</xs:documentation> <xs:documentation xml:lang="en">If the dates element is present, then it should contain at least one sub-element</xs:documentation> <xs:documentation xml:lang="en">May apply to either Projects or Items</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="startDate" minOccurs="0" maxOccurs="1"/> <xs:element ref="endDate" minOccurs="0" maxOccurs="1"/> <xs:element ref="retirementDate" minOccurs="0" maxOccurs="1"/> <xs:element ref="publicationDate" minOccurs="0" maxOccurs="1"/> <xs:element ref="otherDate" minOccurs="0" maxOccurs="100"/> </xs:sequence> <xs:attribute ref="discoverable" fixed="true"/> <xs:attribute ref="trackingLevel" fixed="ResourceRecord"/> </xs:complexType> </xs:element></pre>				

Element **provenanceSubfields / requestedBy**

Namespace	No namespace
Annotations	<p>The person who made the request</p> <p>May be an eligible Data Sponsor, a System Administrator, or a technical service account</p>

Diagram



Type	<code>userType</code>
Properties	content: complex minOccurs: 1 maxOccurs: 1
Model	<code>netID{0,1}</code> , <code>orcid{0,1}</code> , <code>fullName{0,1}</code> , <code>givenName{0,1}</code> , <code>familyName{0,1}</code> , <code>nameDate{0,1}</code> , <code>alternativeNameIdentifier{0,100}</code>
Children	<code>alternativeNameIdentifier</code> , <code>familyName</code> , <code>fullName</code> , <code>givenName</code> , <code>nameDate</code> , <code>netID</code> , <code>orcid</code>
Instance	<pre> <requestedBy userID="" userIDType="NetID"> <netID>{0,1}</netID> <orcid>{0,1}</orcid> <fullName>{0,1}</fullName> <givenName>{0,1}</givenName> </pre>

	<pre><familyName>{0,1}</familyName> <nameDate>{0,1}</nameDate> <alternativeNameIdentifier namelIdentifierScheme="" schemeURI="">{0,100}</ alternativeNameIdentifier> </requestedBy></pre>				
Attributes	QName	Type	Fixed	Use	
	userID	netIDType		required	
		Specifies the (locally) unique user ID If a value is given for the sub-element netID, then it should match the value given for userID			
	userIDType	xs:string	NetID	optional	
	Makes explicit that Princeton NetIDs are always used as the identifier for userID				
Source	<pre><xs:element name="requestedBy" type="userType" minOccurs="1" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The person who made the request</xs:documentation> <xs:documentation xml:lang="en">May be an eligible Data Sponsor, a System Administrator, or a technical service account</xs:documentation> </xs:annotation> </xs:element></pre>				

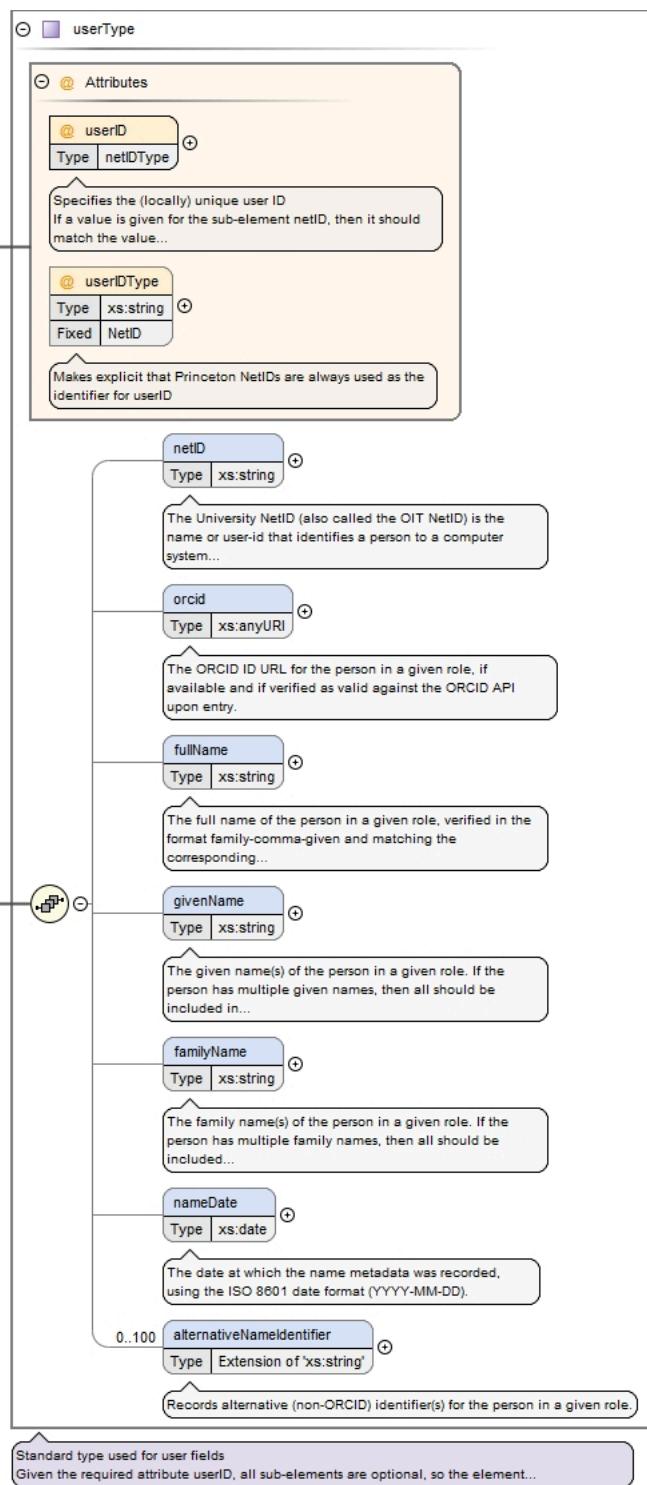
Element provenanceSubfields / requestDateTime

Namespace	No namespace						
Annotations	<p>The date and time the request was made</p> <p>Include the time zone at the location of the host institution</p> <p>Princeton University is in the Eastern Time Zone (UTC-05:00 during Eastern Standard Time and UTC-04:00 during Eastern Daylight Time)</p>						
Diagram	<p>The date and time the request was made Include the time zone at the location of the host institution Princeton...</p>						
Type	xs:dateTime						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<pre><xs:element name="requestDateTime" type="xs:dateTime" minOccurs="1" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The date and time the request was made</xs:documentation> <xs:documentation xml:lang="en">Include the time zone at the location of the host institution</ xs:documentation> <xs:documentation xml:lang="en">Princeton University is in the Eastern Time Zone (UTC-05:00 during Eastern Standard Time and UTC-04:00 during Eastern Daylight Time)</xs:documentation> </xs:annotation> </xs:element></pre>						

Element provenanceSubfields / approvedBy

Namespace	No namespace
Annotations	<p>The person who approved the request</p> <p>Should be a System Administrator</p>

Diagram



Type	<code>userType</code>
Properties	content: complex minOccurs: 0 maxOccurs: 1
Model	<code>netID{0,1}</code> , <code>orcid{0,1}</code> , <code>fullName{0,1}</code> , <code>givenName{0,1}</code> , <code>familyName{0,1}</code> , <code>nameDate{0,1}</code> , <code>alternativeNameIdentifier{0,100}</code>
Children	<code>alternativeNameIdentifier</code> , <code>familyName</code> , <code>fullName</code> , <code>givenName</code> , <code>nameDate</code> , <code>netID</code> , <code>orcid</code>
Instance	<pre> <approvedBy userID="" userIDType="NetID"> <netID>{0,1}</netID> <orcid>{0,1}</orcid> <fullName>{0,1}</fullName> <givenName>{0,1}</givenName> </pre>

	<pre><familyName>{0,1}</familyName> <nameDate>{0,1}</nameDate> <alternativeNameIdentifier namelIdentifierScheme="" schemeURI="">{0,100}</ alternativeNameIdentifier> </approvedBy></pre>				
Attributes	QName	Type	Fixed	Use	
	userID	netIDType		required	
		Specifies the (locally) unique user ID If a value is given for the sub-element netID, then it should match the value given for userID			
	userIDType	xs:string	NetID	optional	
		Makes explicit that Princeton NetIDs are always used as the identifier for userID			
Source	<pre><xs:element name="approvedBy" type="userType" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The person who approved the request</xs:documentation> <xs:documentation xml:lang="en">Should be a System Administrator</xs:documentation> </xs:annotation> </xs:element></pre>				

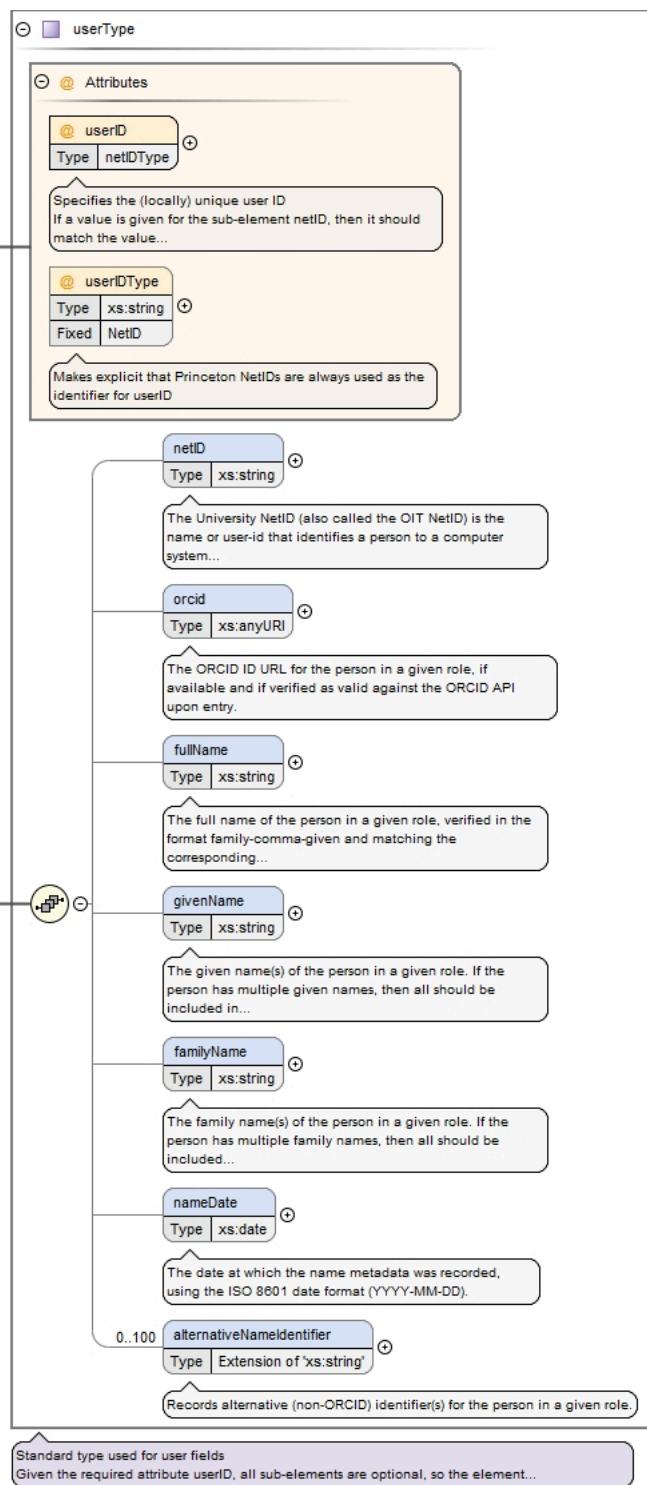
Element provenanceSubfields / approvalDateTime

Namespace	No namespace						
Annotations	<p>The date and time the request was approved</p> <p>Include the time zone at the location of the host institution</p> <p>Princeton University is in the Eastern Time Zone (UTC-05:00 during Eastern Standard Time and UTC-04:00 during Eastern Daylight Time)</p>						
Diagram	<pre> classDiagram class approvalDateTime { <<Type xs:dateTime>> } class xsdateTime { <<xs:dateTime>> } approvalDateTime o-- xsdateTime </pre> <p>The diagram shows a UML class named "approvalDateTime" which is associated with the XML type "xs:dateTime". A callout box points to the "xs:dateTime" class with the text: "Built-in primitive type. The dateTime datatype represents a specific instant of time." Another callout box points to the "approvalDateTime" class with the text: "The date and time the request was approved. Include the time zone at the location of the host institution Princeton..."</p>						
Type	xs:dateTime						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<pre><xs:element name="approvalDateTime" type="xs:dateTime" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The date and time the request was approved</xs:documentation> <xs:documentation xml:lang="en">Include the time zone at the location of the host institution</xs:documentation> <xs:documentation xml:lang="en">Princeton University is in the Eastern Time Zone (UTC-05:00 during Eastern Standard Time and UTC-04:00 during Eastern Daylight Time)</xs:documentation> </xs:annotation> </xs:element></pre>						

Element provenanceSubfields / deniedBy

Namespace	No namespace
Annotations	<p>The person who denied the request</p> <p>Should be a System Administrator</p>

Diagram



Type	<code>userType</code>
Properties	content: complex minOccurs: 0 maxOccurs: 1
Model	<code>netID{0,1}</code> , <code>orcid{0,1}</code> , <code>fullName{0,1}</code> , <code>givenName{0,1}</code> , <code>familyName{0,1}</code> , <code>nameDate{0,1}</code> , <code>alternativeNameIdentifier{0,100}</code>
Children	<code>alternativeNameIdentifier</code> , <code>familyName</code> , <code>fullName</code> , <code>givenName</code> , <code>nameDate</code> , <code>netID</code> , <code>orcid</code>
Instance	<pre> <deniedBy userID="" userIDType="NetID"> <netID>{0,1}</netID> <orcid>{0,1}</orcid> <fullName>{0,1}</fullName> <givenName>{0,1}</givenName> </pre>

	<pre><familyName>{0,1}</familyName> <nameDate>{0,1}</nameDate> <alternativeNameIdentifier nameIdentifierScheme="" schemeURI="">{0,100}</ alternativeNameIdentifier> </deniedBy></pre>				
Attributes	QName	Type	Fixed	Use	
	userID	netIDType		required	
		Specifies the (locally) unique user ID If a value is given for the sub-element netID, then it should match the value given for userID			
	userIDType	xs:string	NetID	optional	
	Makes explicit that Princeton NetIDs are always used as the identifier for userID				
Source	<pre><xs:element name="deniedBy" type="userType" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The person who denied the request</xs:documentation> <xs:documentation xml:lang="en">Should be a System Administrator</xs:documentation> </xs:annotation> </xs:element></pre>				

Element provenanceSubfields / denialDateTime

Namespace	No namespace						
Annotations	<p>The date and time the request was denied</p> <p>Include the time zone at the location of the host institution</p> <p>Princeton University is in the Eastern Time Zone (UTC-05:00 during Eastern Standard Time and UTC-04:00 during Eastern Daylight Time)</p>						
Diagram	<pre> classDiagram class denialDateTime { <<Type xs:dateTime>> } class xsdateTime { <<xs:dateTime>> } denialDateTime "0..1" o-- "1..1" xsdateTime xsdateTime --> "1..1" xsdateTime </pre> <p>The diagram shows a class named 'denialDateTime' with a note below it: 'The date and time the request was denied. Include the time zone at the location of the host institution Princeton...'. A relationship line connects 'denialDateTime' to another class 'xsdateTime' with multiplicity '0..1' on 'denialDateTime' and '1..1' on 'xsdateTime'. A note next to the relationship line says: 'Built-in primitive type. The dateTime datatype represents a specific instant of time.'</p>						
Type	xs:dateTime						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<pre><xs:element name="denialDateTime" type="xs:dateTime" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The date and time the request was denied</xs:documentation> <xs:documentation xml:lang="en">Include the time zone at the location of the host institution</xs:documentation> <xs:documentation xml:lang="en">Princeton University is in the Eastern Time Zone (UTC-05:00 during Eastern Standard Time and UTC-04:00 during Eastern Daylight Time)</xs:documentation> </xs:annotation> </xs:element></pre>						

Element provenanceSubfields / eventNote

Namespace	No namespace
Annotations	<p>A supplementary record of noteworthy details for a given provenance event</p> <p>Intended to be retained in a running log of all noteworthy events</p>

Diagram	<pre> classDiagram eventNote { noteBy userType noteDateTime xs:dateTime eventType "Restriction of 'xs:string'" message textType } noteBy { Type userType } noteDateTime { Type xs:dateTime } eventType { Type "Restriction of 'xs:string'" } message { Type textType } noteBy < -- noteBy noteDateTime < -- noteDateTime eventType < -- eventType message < -- message </pre>						
Properties	<table border="1"> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>100</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	100
content:	complex						
minOccurs:	0						
maxOccurs:	100						
Model	noteBy , noteDateTime , eventType , message						
Children	eventType, message, noteBy, noteDateTime						
Instance	<pre> <eventNote> <noteBy userID="" userIDType="NetID">{1,1}</noteBy> <noteDateTime>{1,1}</noteDateTime> <eventType>{1,1}</eventType> <message xml:lang="en">{1,1}</message> </eventNote> </pre>						
Source	<pre> <xs:element name="eventNote" minOccurs="0" maxOccurs="100"> <xs:annotation> <xs:documentation xml:lang="en">A supplementary record of noteworthy details for a given provenance event</xs:documentation> <xs:documentation xml:lang="en">Intended to be retained in a running log of all noteworthy events</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="noteBy" type="userType" minOccurs="1" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The person making the note</xs:documentation> <xs:documentation xml:lang="en">Should be a System Administrator</xs:documentation> </xs:annotation> </xs:element> <xs:element name="noteDateTime" type="xs:dateTime" minOccurs="1" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The date and time the note was made</xs:documentation> <xs:documentation xml:lang="en">Include the time zone at the location of the host institution</xs:documentation> <xs:documentation xml:lang="en">Princeton University is in the Eastern Time Zone (UTC-05:00 during Eastern Standard Time and UTC-04:00 during Eastern Daylight Time)</xs:documentation> </xs:annotation> </xs:element> <xs:element name="eventType" minOccurs="1" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">A general category label for the event note</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="Collection" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">Event note records the assignment of or change to the project's Mediaflux collection ID</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="Directory" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">Event note pertains to the project's directory or mount point</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="message" type="textType" minOccurs="1" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The plain-language message contents of the event note</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>						

```

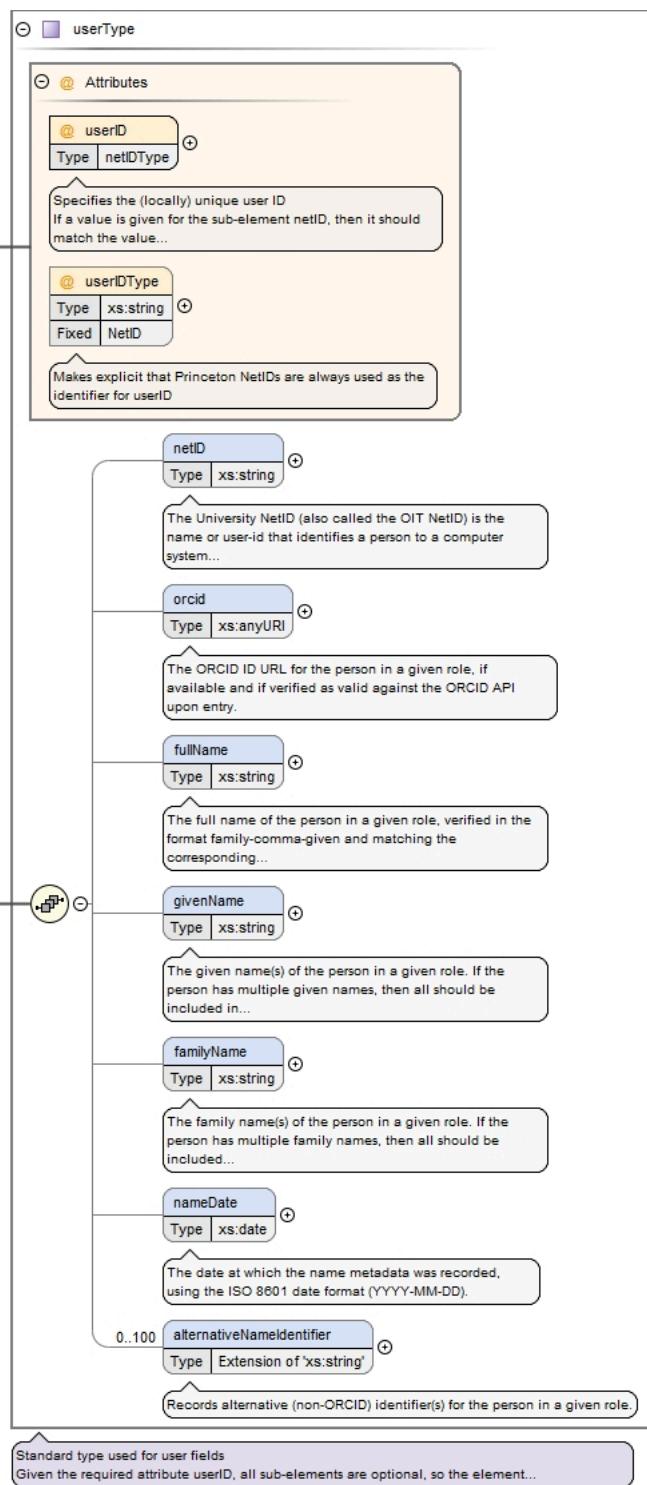
<xs:enumeration value="Quota" xml:lang="en">
    <xs:annotation>
        <xs:documentation xml:lang="en">Event note pertains to the project's quota settings
in Mediaflux</xs:documentation>
    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="Tier" xml:lang="en">
    <xs:annotation>
        <xs:documentation xml:lang="en">Event note pertains to the project's storage tier</
xs:documentation>
    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="Sponsor" xml:lang="en">
    <xs:annotation>
        <xs:documentation xml:lang="en">Event note records any changes to the project's Data
Sponsor</xs:documentation>
    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="Denial" xml:lang="en">
    <xs:annotation>
        <xs:documentation xml:lang="en">Event note explains the denial of the project
request</xs:documentation>
    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="Other" xml:lang="en">
    <xs:annotation>
        <xs:documentation xml:lang="en">The event note is not otherwise classified</
xs:documentation>
    </xs:annotation>
</xs:enumeration>
</xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element name="message" type="textType" minOccurs="1" maxOccurs="1">
    <xs:annotation>
        <xs:documentation xml:lang="en">The plain-language message contents of the event note</
xs:documentation>
    </xs:annotation>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>

```

Element provenanceSubfields / eventNote / noteBy

Namespace	No namespace
Annotations	The person making the note Should be a System Administrator

Diagram



Type	<code>userType</code>
Properties	<p>content: complex</p> <p>minOccurs: 1</p> <p>maxOccurs: 1</p>
Model	<code>netID{0,1}</code> , <code>orcid{0,1}</code> , <code>fullName{0,1}</code> , <code>givenName{0,1}</code> , <code>familyName{0,1}</code> , <code>nameDate{0,1}</code> , <code>alternativeNameIdentifier{0,100}</code>
Children	<code>alternativeNameIdentifier</code> , <code>familyName</code> , <code>fullName</code> , <code>givenName</code> , <code>nameDate</code> , <code>netID</code> , <code>orcid</code>
Instance	<pre><noteBy userID="" userIDType="NetID"> <netID>{0,1}</netID> <orcid>{0,1}</orcid> <fullName>{0,1}</fullName> <givenName>{0,1}</givenName></pre>

	<pre><familyName>{0,1}</familyName> <nameDate>{0,1}</nameDate> <alternativeNameIdentifier nameIdentifierScheme="" schemeURI="">{0,100}</ alternativeNameIdentifier> </noteBy></pre>				
Attributes	QName	Type	Fixed	Use	
	userID	netIDType		required	
		Specifies the (locally) unique user ID If a value is given for the sub-element netID, then it should match the value given for userID			
	userIDType	xs:string	NetID	optional	
	Makes explicit that Princeton NetIDs are always used as the identifier for userID				
Source	<pre><xs:element name="noteBy" type="userType" minOccurs="1" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The person making the note</xs:documentation> <xs:documentation xml:lang="en">Should be a System Administrator</xs:documentation> </xs:annotation> </xs:element></pre>				

Element provenanceSubfields / eventNote / noteDateTime

Namespace	No namespace						
Annotations	<p>The date and time the note was made</p> <p>Include the time zone at the location of the host institution</p> <p>Princeton University is in the Eastern Time Zone (UTC-05:00 during Eastern Standard Time and UTC-04:00 during Eastern Daylight Time)</p>						
Diagram	<pre> classDiagram class noteDateTime { Type xs:dateTime } class xs(dateTime) noteDateTime o--> xs noteDateTime --> callout1: The date and time the note was made. Include the time zone at the location of the host institution. Princeton University... xs --> callout2: Built-in primitive type. The dateTime datatype represents a specific instant of time. </pre>						
Type	xs:dateTime						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<pre><xs:element name="noteDateTime" type="xs:dateTime" minOccurs="1" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The date and time the note was made</xs:documentation> <xs:documentation xml:lang="en">Include the time zone at the location of the host institution</ xs:documentation> <xs:documentation xml:lang="en">Princeton University is in the Eastern Time Zone (UTC-05:00 during Eastern Standard Time and UTC-04:00 during Eastern Daylight Time)</xs:documentation> </xs:annotation> </xs:element></pre>						

Element provenanceSubfields / eventNote / eventType

Namespace	No namespace						
Annotations	A general category label for the event note						
Diagram	<pre> classDiagram class eventType { Type Restriction of xs:string } class xs(string) eventType o--> xs eventType --> callout1: A general category label for the event note </pre>						
Type	restriction of xs:string						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						

Facets	enumeration	Collection	Event note records the assignment of or change to the project's Mediaflux collection ID
	enumeration	Directory	Event note pertains to the project's directory or mount point
	enumeration	Quota	Event note pertains to the project's quota settings in Mediaflux
	enumeration	Tier	Event note pertains to the project's storage tier
	enumeration	Sponsor	Event note records any changes to the project's Data Sponsor
	enumeration	Denial	Event note explains the denial of the project request
	enumeration	Other	The event note is not otherwise classified
	Source		
<pre> <xs:element name="eventType" minOccurs="1" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">A general category label for the event note</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="Collection" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">Event note records the assignment of or change to the project's Mediaflux collection ID</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="Directory" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">Event note pertains to the project's directory or mount point</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="Quota" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">Event note pertains to the project's quota settings in Mediaflux</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="Tier" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">Event note pertains to the project's storage tier</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="Sponsor" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">Event note records any changes to the project's Data Sponsor</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="Denial" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">Event note explains the denial of the project request</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="Other" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">The event note is not otherwise classified</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType> </xs:element></pre>			

Element `provenanceSubfields / eventNote / message`

Namespace	No namespace
Annotations	The plain-language message contents of the event note

Diagram	<pre> classDiagram textType < -- limitedTextType limitedTextType "1..> message : Type limitedTextType "1..> @xml:lang : Default = en note over limitedTextType: Specification for the practical limit applied to free text values note over @xml:lang: Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going... note over textType: Standard type used for free text values </pre>												
Type	textType												
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • limitedTextType • textType 												
Properties	<table> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1						
content:	complex												
minOccurs:	1												
maxOccurs:	1												
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>xml:lang</td> <td>union of(xs:language, restriction of xs:string)</td> <td>en</td> <td>optional</td> </tr> <tr> <td></td> <td> <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. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/lang-tag-apps.htm for further information.</p> <p>The union allows for the 'un-declaration' of xml:lang with the empty string.</p> </td> <td></td> <td></td> </tr> </tbody> </table>	QName	Type	Default	Use	xml:lang	union of(xs:language, restriction of xs:string)	en	optional		<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. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/lang-tag-apps.htm for further information.</p> <p>The union allows for the 'un-declaration' of xml:lang with the empty string.</p>		
QName	Type	Default	Use										
xml:lang	union of(xs:language, restriction of xs:string)	en	optional										
	<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. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/lang-tag-apps.htm for further information.</p> <p>The union allows for the 'un-declaration' of xml:lang with the empty string.</p>												
Source	<pre> <xs:element name="message" type="textType" minOccurs="1" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The plain-language message contents of the event note</xs:documentation> </xs:annotation> </xs:element> </pre>												

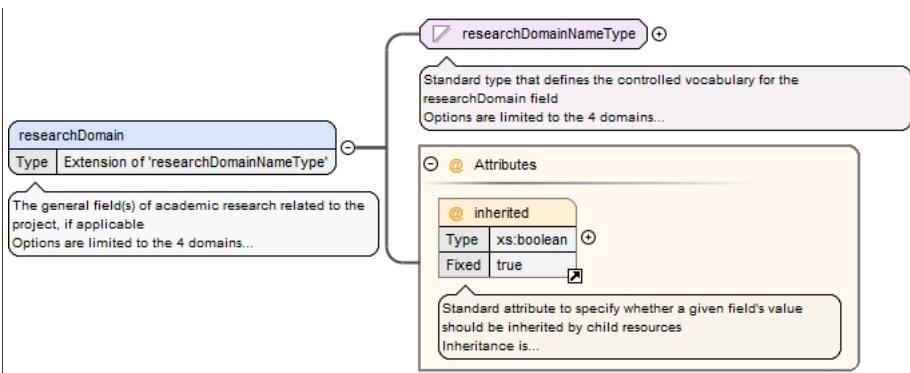
Element projectDescription / researchDomains

Namespace	No namespace
Annotations	<p>The container element for all research domains for a project</p> <p>No duplicate domains; no more than 4 total</p>

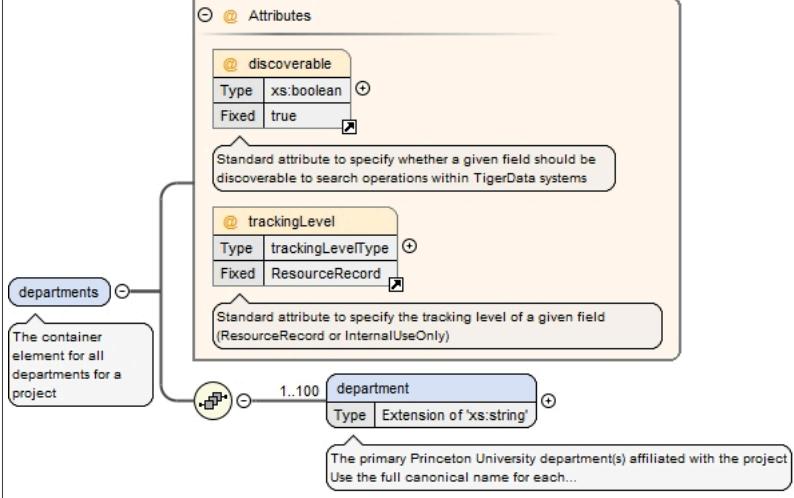
Diagram	<pre> classDiagram class researchDomains { @discoverable @trackingLevel researchDomain[1..4] } class researchDomain { Type: Extension of 'researchDomainNameType' } class Attributes { @discoverable @trackingLevel } @discoverable { Type: xs:boolean Fixed: true } @trackingLevel { Type: trackingLevelType Fixed: ResourceRecord } </pre> <p>The diagram shows the <code>researchDomains</code> element as a container for multiple <code>researchDomain</code> elements. Each <code>researchDomain</code> is an extension of the <code>researchDomainNameType</code>. The <code>researchDomains</code> element has attributes <code>@discoverable</code> (type <code>xs:boolean</code>, fixed value <code>true</code>) and <code>@trackingLevel</code> (type <code>trackingLevelType</code>, fixed value <code>ResourceRecord</code>). A note specifies that no duplicate domains are allowed, with a limit of 4 total.</p>																				
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">1</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1														
content:	complex																				
minOccurs:	0																				
maxOccurs:	1																				
Model	researchDomain{1,4}																				
Children	researchDomain																				
Instance	<pre> <researchDomains discoverable="true" trackingLevel="ResourceRecord"> <researchDomain inherited="true">{1,4}</researchDomain> </researchDomains> </pre>																				
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">QName</th><th style="width: 25%;">Type</th><th style="width: 25%;">Fixed</th><th style="width: 25%;">Use</th></tr> </thead> <tbody> <tr> <td><code>discoverable</code></td><td><code>xs:boolean</code></td><td><code>true</code></td><td>optional</td></tr> <tr> <td></td><td></td><td></td><td>Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems</td></tr> <tr> <td><code>trackingLevel</code></td><td><code>trackingLevelType</code></td><td><code>ResourceRecord</code></td><td>optional</td></tr> <tr> <td></td><td></td><td></td><td>Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)</td></tr> </tbody> </table>	QName	Type	Fixed	Use	<code>discoverable</code>	<code>xs:boolean</code>	<code>true</code>	optional				Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems	<code>trackingLevel</code>	<code>trackingLevelType</code>	<code>ResourceRecord</code>	optional				Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)
QName	Type	Fixed	Use																		
<code>discoverable</code>	<code>xs:boolean</code>	<code>true</code>	optional																		
			Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems																		
<code>trackingLevel</code>	<code>trackingLevelType</code>	<code>ResourceRecord</code>	optional																		
			Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)																		
Source	<pre> <xss:element name="researchDomains" minOccurs="0" maxOccurs="1"> <xss:annotation> <xss:documentation xml:lang="en">The container element for all research domains for a project</xss:documentation> <xss:annotation> <xss:documentation xml:lang="en">No duplicate domains; no more than 4 total</xss:documentation> </xss:annotation> <xss:complexType> <xss:sequence> <xss:element name="researchDomain" minOccurs="1" maxOccurs="4"> <xss:annotation> <xss:documentation xml:lang="en">The general field(s) of academic research related to the project, if applicable</xss:documentation> <xss:documentation xml:lang="en">Options are limited to the 4 domains Princeton University uses to categorize departments</xss:documentation> </xss:annotation> <xss:complexType> <xss:simpleContent> <xss:extension base="researchDomainNameType"> <xss:attribute ref="inherited" fixed="true"/> </xss:extension> </xss:simpleContent> </xss:complexType> </xss:element> </xss:sequence> <xss:attribute ref="discoverable" fixed="true"/> <xss:attribute ref="trackingLevel" fixed="ResourceRecord"/> </xss:complexType> </xss:element> </pre>																				

Element `projectDescription / researchDomains / researchDomain`

Namespace	No namespace
Annotations	<p>The general field(s) of academic research related to the project, if applicable</p> <p>Options are limited to the 4 domains Princeton University uses to categorize departments</p>

Diagram									
Type	extension of researchDomainNameType								
Type hierarchy	<ul style="list-style-type: none"> • xs:string • researchDomainNameType 								
Properties	<table> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>4</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	4		
content:	complex								
minOccurs:	1								
maxOccurs:	4								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>inherited</td> <td>xs:boolean</td> <td>true</td> <td>optional</td> </tr> </tbody> </table> <p>Standard attribute to specify whether a given field's value should be inherited by child resources Inheritance is limited to the applicability of the field to the child resource (e.g., researchDomain may be inherited by a subproject but not an item)</p>	QName	Type	Fixed	Use	inherited	xs:boolean	true	optional
QName	Type	Fixed	Use						
inherited	xs:boolean	true	optional						
Source	<pre> <xs:element name="researchDomain" minOccurs="1" maxOccurs="4"> <xs:annotation> <xs:documentation xml:lang="en">The general field(s) of academic research related to the project, if applicable</xs:documentation> <xs:documentation xml:lang="en">Options are limited to the 4 domains Princeton University uses to categorize departments</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="researchDomainNameType"> <xs:attribute ref="inherited" fixed="true"/> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element> </pre>								

Element projectDescription / departments

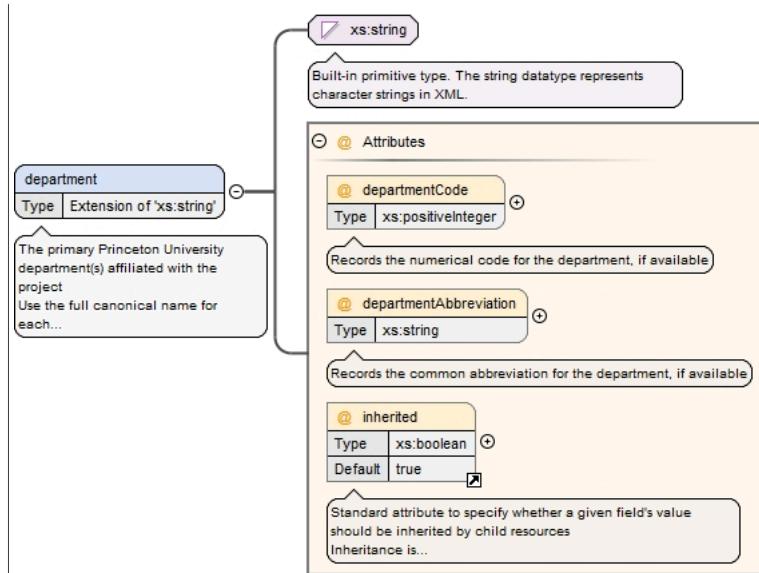
Namespace	No namespace
Annotations	The container element for all departments for a project
Diagram	

Properties	content: complex minOccurs: 1 maxOccurs: 1			
Model	department{1,100}			
Children	department			
Instance	<departments discoverable="true" trackingLevel="ResourceRecord"> <department departmentAbbreviation="" departmentCode="" inherited="true">{1,100}</department> </departments>			
Attributes	QName	Type	Fixed	Use
	discoverable	xs:boolean	true	optional
		Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems		
	trackingLevel	trackingLevelType	ResourceRecord	optional
		Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)		
Source	<pre> <xs:element name="departments" minOccurs="1" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The container element for all departments for a project</ xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="department" minOccurs="1" maxOccurs="100"> <xs:annotation> <xs:documentation xml:lang="en">The primary Princeton University department(s) affiliated with the project</xs:documentation> <xs:documentation xml:lang="en">Use the full canonical name for each recorded department</ xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="departmentCode" type="xs:positiveInteger" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">Records the numerical code for the department, if available</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute name="departmentAbbreviation" type="xs:string" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">Records the common abbreviation for the department, if available</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute ref="inherited" default="true"/> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element> </xs:sequence> <xs:attribute ref="discoverable" fixed="true"/> <xs:attribute ref="trackingLevel" fixed="ResourceRecord"/> </xs:complexType> </xs:element> </pre>			

Element projectDescription / departments / department

Namespace	No namespace
Annotations	The primary Princeton University department(s) affiliated with the project Use the full canonical name for each recorded department

Diagram



Type	extension of xs:string					
Properties	content:	complex				
	minOccurs:	1				
	maxOccurs:	100				
Attributes	QName	Type	Default	Use		
	departmentAbbreviation	xs:string		optional		
		Records the common abbreviation for the department, if available				
	departmentCode	xs:positiveInteger		optional		
		Records the numerical code for the department, if available				
Source	<pre> <xs:element name="department" minOccurs="1" maxOccurs="100"> <xs:annotation> <xs:documentation xml:lang="en">The primary Princeton University department(s) affiliated with the project</xs:documentation> <xs:documentation xml:lang="en">Use the full canonical name for each recorded department</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="departmentCode" type="xs:positiveInteger" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">Records the numerical code for the department, if available</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute name="departmentAbbreviation" type="xs:string" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">Records the common abbreviation for the department, if available</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute ref="inherited" default="true"/> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element> </pre>					

Element projectDescription / projectDirectory

Namespace	No namespace
-----------	--------------

Annotations	<p>The locally unique name for the project's top-level directory If no user request was received and no value has yet been approved, then this field may be empty</p>																									
Diagram	<pre> classDiagram class projectDirectory { @ approved @ inherited @ discoverable @ trackingLevel projectDirectoryPath requestedValue approvedValue } class projectDirectoryPath { 0..100 @ pathType } class requestedValue { @ pathType } class approvedValue { @ pathType } projectDirectory "1" -- "0..100" projectDirectoryPath projectDirectoryPath "*" -- "1" requestedValue projectDirectoryPath "*" -- "1" approvedValue </pre>																									
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1																			
content:	complex																									
minOccurs:	1																									
maxOccurs:	1																									
Model	projectDirectoryPath{0,100} , requestedValue{0,1} , approvedValue{0,1}																									
Children	approvedValue, projectDirectoryPath, requestedValue																									
Instance	<pre> <projectDirectory approved="false" discoverable="false" inherited="false" trackingLevel="InternalUseOnly"> <projectDirectoryPath protocol="">{0,100}</projectDirectoryPath> <requestedValue protocol="">{0,1}</requestedValue> <approvedValue protocol="">{0,1}</approvedValue> </projectDirectory> </pre>																									
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>approved</td> <td>xs:boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">Standard attribute to specify whether a given field has an approved value Applies to fields which have a request-approval framework, including projectDirectory, storageCapacity, and storagePerformance</td></tr> <tr> <td>discoverable</td> <td>xs:boolean</td> <td>false</td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	approved	xs:boolean		false	optional		Standard attribute to specify whether a given field has an approved value Applies to fields which have a request-approval framework, including projectDirectory, storageCapacity, and storagePerformance				discoverable	xs:boolean	false		optional		Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems			
QName	Type	Fixed	Default	Use																						
approved	xs:boolean		false	optional																						
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discoverable	xs:boolean	false		optional																						
	Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems																									

QName	Type	Fixed	Default	Use
inherited	xs:boolean	false		optional
	Standard attribute to specify whether a given field's value should be inherited by child resources			
	Inheritance is limited to the applicability of the field to the child resource (e.g., researchDomain may be inherited by a subproject but not an item)			
trackingLevel	trackingLevelType	InternalUseOnly		optional
	Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)			
Source	<pre> <xs:element name="projectDirectory" minOccurs="1" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The locally unique name for the project's top-level directory</xs:documentation> <xs:annotation> <xs:documentation xml:lang="en">If no user request was received and no value has yet been approved, then this field may be empty</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="projectDirectoryPath" type="pathType" minOccurs="0" maxOccurs="100"> <xs:annotation> <xs:documentation xml:lang="en">A current setting for projectDirectory (omitted until approved)</xs:documentation> <xs:documentation xml:lang="en">After approval, this value should be updated to match the approved value (in rare cases, the current setting may later deviate from the approved value)</xs:documentation> <xs:documentation xml:lang="en">Multiple elements are allowed to specify paths in alternative protocols</xs:documentation> </xs:annotation> </xs:element> <xs:element name="requestedValue" type="pathType" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The requested value for projectDirectory (omitted if no user request was received)</xs:documentation> </xs:annotation> </xs:element> <xs:element name="approvedValue" type="pathType" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The approved value for projectDirectory (omitted if no sys admin has approved yet)</xs:documentation> <xs:documentation xml:lang="en">Once approved, the approved attribute should also be set to true</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> <xs:attribute ref="approved" default="false"/> <xs:attribute ref="inherited" fixed="false"/> <xs:attribute ref="discoverable" fixed="false"/> <xs:attribute ref="trackingLevel" fixed="InternalUseOnly"/> </xs:complexType> </xs:element></pre>			

Element projectDescription / projectDirectory / projectDirectoryPath

Namespace	No namespace
Annotations	<p>A current setting for projectDirectory (omitted until approved)</p> <p>After approval, this value should be updated to match the approved value (in rare cases, the current setting may later deviate from the approved value)</p> <p>Multiple elements are allowed to specify paths in alternative protocols</p>

Diagram										
Type	pathType									
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pathSafeType • pathType 									
Properties	<table> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>100</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	100			
content:	complex									
minOccurs:	0									
maxOccurs:	100									
Attributes	<table> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>protocol</td> <td>xs:string</td> <td>optional</td> </tr> <tr> <td></td> <td></td> <td>The storage connection protocol that defines how the path is written</td> </tr> </tbody> </table>	QName	Type	Use	protocol	xs:string	optional			The storage connection protocol that defines how the path is written
QName	Type	Use								
protocol	xs:string	optional								
		The storage connection protocol that defines how the path is written								
Source	<pre><xs:element name="projectDirectoryPath" type="pathType" minOccurs="0" maxOccurs="100"> <xs:annotation> <xs:documentation xml:lang="en">A current setting for projectDirectory (omitted until approved)</xs:documentation> <xs:documentation xml:lang="en">After approval, this value should be updated to match the approved value (in rare cases, the current setting may later deviate from the approved value)</xs:documentation> <xs:documentation xml:lang="en">Multiple elements are allowed to specify paths in alternative protocols</xs:documentation> </xs:annotation> </xs:element></pre>									

Element projectDescription / projectDirectory / requestedValue

Namespace	No namespace
Annotations	The requested value for projectDirectory (omitted if no user request was received)
Diagram	
Type	pathType
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pathSafeType

	<ul style="list-style-type: none"> • pathType 											
Properties	content: complex minOccurs: 0 maxOccurs: 1											
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>protocol</td> <td>xs:string</td> <td>optional</td> <td></td> </tr> </tbody> </table> <p>The storage connection protocol that defines how the path is written</p>				QName	Type	Use		protocol	xs:string	optional	
QName	Type	Use										
protocol	xs:string	optional										
Source	<pre><xs:element name="requestedValue" type="pathType" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The requested value for projectDirectory (omitted if no user request was received)</xs:documentation> </xs:annotation> </xs:element></pre>											

Element projectDescription / projectDirectory / approvedValue

Namespace	No namespace											
Annotations	<p>The approved value for projectDirectory (omitted if no sys admin has approved yet)</p> <p>Once approved, the approved attribute should also be set to true</p>											
Diagram	<pre> classDiagram class pathType { <<Base Type pathSafeType>> } class pathSafeType { <<Primitive type used within pathType
Restricts to alphanumeric characters, underscore, forward and back slashes, and...>> } class approvedValue { <<Type pathType>> <<The approved value for projectDirectory (omitted if no sys admin has approved yet)
Once approved, the approved...>> } pathType < -- pathSafeType pathType < -- approvedValue pathType < -- protocol protocol { <<@ Attributes

@ protocol
Type xs:string
<<The storage connection protocol that defines how the path is written>>> } </pre>											
Type	pathType											
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pathSafeType • pathType 											
Properties	content: complex minOccurs: 0 maxOccurs: 1											
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>protocol</td> <td>xs:string</td> <td>optional</td> <td></td> </tr> </tbody> </table> <p>The storage connection protocol that defines how the path is written</p>				QName	Type	Use		protocol	xs:string	optional	
QName	Type	Use										
protocol	xs:string	optional										
Source	<pre><xs:element name="approvedValue" type="pathType" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The approved value for projectDirectory (omitted if no sys admin has approved yet)</xs:documentation> <xs:documentation xml:lang="en">Once approved, the approved attribute should also be set to true</xs:documentation> </xs:annotation> </xs:element></pre>											

Element storageAndAccess / storageCapacity

Namespace	No namespace			
Annotations	The amount of storage allotted for the project (in logical byte units)			

	<p>If no user request was received and no value has yet been approved, then this field may be empty</p>																														
Diagram	<pre> classDiagram class storageCapacity { @ approved : xs:boolean @ inherited : xs:boolean @ discoverable : xs:boolean @ trackingLevel : trackingLevelType storageCapacitySetting : storageQuantityType requestedValue : storageQuantityType approvedValue : storageQuantityType } storageCapacity < -- storageCapacitySetting storageCapacity < -- requestedValue storageCapacity < -- approvedValue </pre> <p>The diagram illustrates the structure of the <code>storageCapacity</code> element. It contains several attributes:</p> <ul style="list-style-type: none"> <code>approved</code>: Standard attribute to specify whether a given field has an approved value. Applies to fields which have a request-approval framework, including <code>projectDirectory</code>, <code>storageCapacity</code>, and <code>storagePerformance</code>. <code>inherited</code>: Standard attribute to specify whether a given field's value should be inherited by child resources. Inheritance is... <code>discoverable</code>: Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems. <code>trackingLevel</code>: Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly). <code>storageCapacitySetting</code>: The current setting for <code>storageCapacity</code> (omitted until approved). After approval, this value should be updated to match... <code>requestedValue</code>: The requested value for <code>storageCapacity</code> (omitted if no user request was received). <code>approvedValue</code>: The approved value for <code>storageCapacity</code> (omitted if no sys admin has approved yet). Once approved, the <code>approved</code> attribute... 																														
Properties	<p>content: complex</p> <p>minOccurs: 1</p> <p>maxOccurs: 1</p>																														
Model	<code>storageCapacitySetting{0,1}</code> , <code>requestedValue{0,1}</code> , <code>approvedValue{0,1}</code>																														
Children	<code>approvedValue</code> , <code>requestedValue</code> , <code>storageCapacitySetting</code>																														
Instance	<pre> <storageCapacity approved="false" discoverable="false" inherited="false" trackingLevel="InternalUseOnly"> <storageCapacitySetting>{0,1}</storageCapacitySetting> <requestedValue>{0,1}</requestedValue> <approvedValue>{0,1}</approvedValue> </storageCapacity> </pre>																														
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>approved</td> <td>xs:boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>Standard attribute to specify whether a given field has an approved value Applies to fields which have a request-approval framework, including projectDirectory, storageCapacity, and storagePerformance</td> </tr> <tr> <td>discoverable</td> <td>xs:boolean</td> <td>false</td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems</td> </tr> <tr> <td>inherited</td> <td>xs:boolean</td> <td>false</td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	approved	xs:boolean		false	optional					Standard attribute to specify whether a given field has an approved value Applies to fields which have a request-approval framework, including projectDirectory, storageCapacity, and storagePerformance	discoverable	xs:boolean	false		optional					Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems	inherited	xs:boolean	false		optional
QName	Type	Fixed	Default	Use																											
approved	xs:boolean		false	optional																											
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discoverable	xs:boolean	false		optional																											
				Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems																											
inherited	xs:boolean	false		optional																											

	QName	Type	Fixed	Default	Use	
		Standard attribute to specify whether a given field's value should be inherited by child resources Inheritance is limited to the applicability of the field to the child resource (e.g., researchDomain may be inherited by a subproject but not an item)				
	trackingLevel	trackingLevelType	InternalUseOnly		optional	
		Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)				
Source		<pre> <xs:element name="storageCapacity" minOccurs="1" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The amount of storage allotted for the project (in logical byte units)</xs:documentation> <xs:documentation xml:lang="en">If no user request was received and no value has yet been approved, then this field may be empty</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="storageCapacitySetting" type="storageQuantityType" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The current setting for storageCapacity (omitted until approved)</xs:documentation> <xs:documentation xml:lang="en">After approval, this value should be updated to match the approved value (in rare cases, the current setting may later deviate from the approved value)</xs:documentation> </xs:annotation> </xs:element> <xs:element name="requestedValue" type="storageQuantityType" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The requested value for storageCapacity (omitted if no user request was received)</xs:documentation> </xs:annotation> </xs:element> <xs:element name="approvedValue" type="storageQuantityType" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The approved value for storageCapacity (omitted if no sys admin has approved yet)</xs:documentation> <xs:documentation xml:lang="en">Once approved, the approved attribute should also be set to true</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> <xs:attribute ref="approved" default="false"/> <xs:attribute ref="inherited" fixed="false"/> <xs:attribute ref="discoverable" fixed="false"/> <xs:attribute ref="trackingLevel" fixed="InternalUseOnly"/> </xs:complexType> </xs:element></pre>				

Element storageAndAccess / storageCapacity / storageCapacitySetting

Namespace	No namespace				
Annotations	The current setting for storageCapacity (omitted until approved) After approval, this value should be updated to match the approved value (in rare cases, the current setting may later deviate from the approved value)				
Diagram	<pre> classDiagram storageCapacitySetting "0..1" -- "1..1" storageQuantityType storageCapacitySetting : Type storageQuantityType storageCapacitySetting --> > "The current setting for storageCapacity (omitted until approved) After approval, this value should be updated to match..." storageQuantityType { storageQuantityType size : Type xs:decimal unit : Type byteUnitType } size --> > "The numeric size of the storage quantity" unit --> > "The logical byte unit for the storage quantity" storageQuantityType --> > "Standard type used for storage quantity values" </pre>				
Type	storageQuantityType				
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	complex	minOccurs:	0
content:	complex				
minOccurs:	0				

	maxOccurs:	1
Model	size , unit	
Children	size, unit	
Instance	<pre><storageCapacitySetting> <size>{1,1}</size> <unit>{1,1}</unit> </storageCapacitySetting></pre>	

Element storageAndAccess / storageCapacity / requestedValue

Namespace	No namespace						
Annotations	The requested value for storageCapacity (omitted if no user request was received)						
Diagram	<pre> classDiagram storageQuantityType { size : xs:decimal unit : byteUnitType } storageQuantityType < -- requestedValue : storageQuantityType note over storageQuantityType: Standard type used for storage quantity values </pre>						
Type	storageQuantityType						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	size , unit						
Children	size, unit						
Instance	<pre><requestedValue> <size>{1,1}</size> <unit>{1,1}</unit> </requestedValue></pre>						
Source	<pre><xs:element name="requestedValue" type="storageQuantityType" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The requested value for storageCapacity (omitted if no user request was received)</xs:documentation> </xs:annotation> </xs:element></pre>						

Element storageAndAccess / storageCapacity / approvedValue

Namespace	No namespace
Annotations	<p>The approved value for storageCapacity (omitted if no sys admin has approved yet)</p> <p>Once approved, the approved attribute should also be set to true</p>

Diagram	<pre> storageQuantityType +-- approvedValue [Type: storageQuantityType] +-- [The approved value for storageCapacity (omitted if no sys admin has approved yet) Once approved, the approved attribute...] +-- size [Type: xs:decimal] +-- [The numeric size of the storage quantity] +-- unit [Type: byteUnitType] +-- [The logical byte unit for the storage quantity] +-- [Standard type used for storage quantity values] </pre>						
Type	storageQuantityType						
Properties	<table border="1"> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	size , unit						
Children	size, unit						
Instance	<approvedValue> <size>{1,1}</size> <unit>{1,1}</unit> </approvedValue>						
Source	<pre> <xs:element name="approvedValue" type="storageQuantityType" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The approved value for storageCapacity (omitted if no sys admin has approved yet)</xs:documentation> <xs:documentation xml:lang="en">Once approved, the approved attribute should also be set to true</xs:documentation> </xs:annotation> </xs:element> </pre>						

Element storageAndAccess / projectVisibility

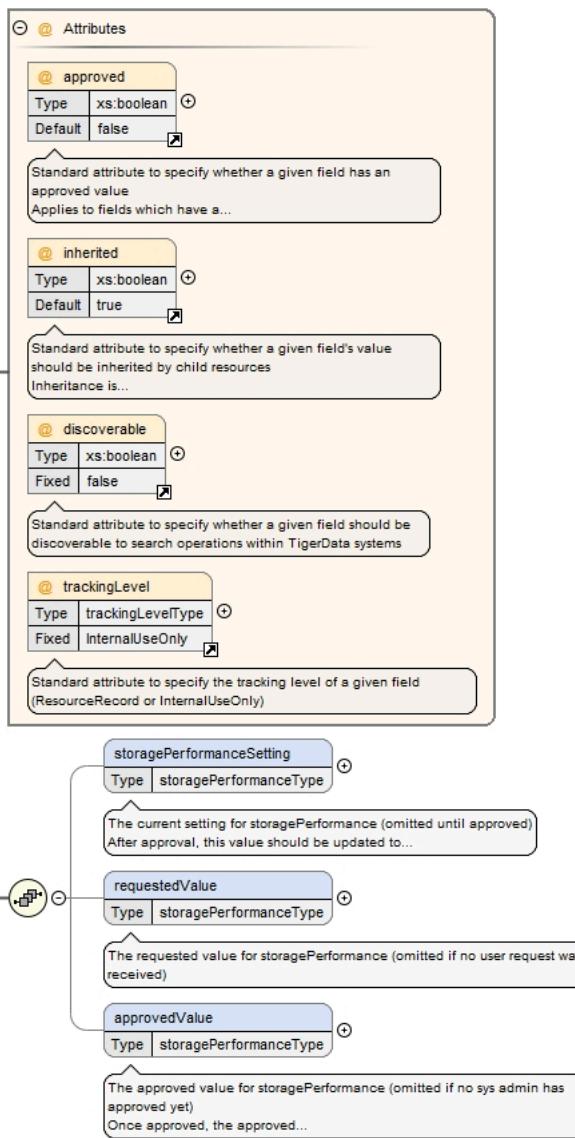
Namespace	No namespace
Annotations	The level of openness to allow for the project record
Diagram	<pre> visibilityType +-- projectVisibility [Type: Extension of 'visibilityType'] +-- [The level of openness to allow for the project record] +-- @ Attributes +-- @inherited [Type: xs:boolean] +-- [Standard attribute to specify whether a given field's value should be inherited by child resources Inheritance is...] +-- @discoverable [Type: xs:boolean] +-- [Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems] +-- @trackingLevel [Type: trackingLevelType] +-- [Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)] </pre>
Type	extension of visibilityType
Type hierarchy	<ul style="list-style-type: none"> • xs:string • visibilityType

Properties	content:	complex			
	minOccurs:	1			
	maxOccurs:	1			
	default:	Limited			
Attributes	QName	Type	Fixed	Default	Use
	discoverable	xs:boolean	false		optional
		Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems			
	inherited	xs:boolean		true	optional
		Standard attribute to specify whether a given field's value should be inherited by child resources			
		Inheritance is limited to the applicability of the field to the child resource (e.g., researchDomain may be inherited by a subproject but not an item)			
	trackingLevel	trackingLevelType	InternalUseOnly		optional
		Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)			
Source	<pre><xs:element name="projectVisibility" minOccurs="1" maxOccurs="1" default="Limited"> <xs:annotation> <xs:documentation xml:lang="en">The level of openness to allow for the project record</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="visibilityType"> <xs:attribute ref="inherited" default="true"/> <xs:attribute ref="discoverable" fixed="false"/> <xs:attribute ref="trackingLevel" fixed="InternalUseOnly"/> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element></pre>				

Element storageAndAccess / storagePerformance

Namespace	No namespace
Annotations	The qualitative assignment for storage performance, i.e. storage tier If no user request was received and no value has yet been approved, then this field may be empty

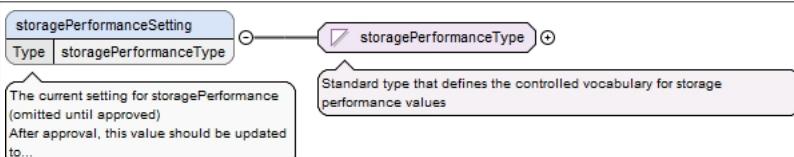
Diagram



Properties	content:	complex																																			
	minOccurs:	1																																			
	maxOccurs:	1																																			
Model	storagePerformanceSetting{0,1} , requestedValue{0,1} , approvedValue{0,1}																																				
Children	approvedValue, requestedValue, storagePerformanceSetting																																				
Instance	<pre> <storagePerformance approved="false" discoverable="false" inherited="true" trackingLevel="InternalUseOnly"> <storagePerformanceSetting>{0,1}</storagePerformanceSetting> <requestedValue>{0,1}</requestedValue> <approvedValue>{0,1}</approvedValue> </storagePerformance> </pre>																																				
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>approved</td> <td><code>xs:boolean</code></td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">Standard attribute to specify whether a given field has an approved value. Applies to fields which have a request-approval framework, including <code>projectDirectory</code>, <code>storageCapacity</code>, and <code>storagePerformance</code>.</td></tr> <tr> <td>discoverable</td> <td><code>xs:boolean</code></td> <td>false</td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems.</td></tr> <tr> <td>inherited</td> <td><code>xs:boolean</code></td> <td></td> <td>true</td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">Standard attribute to specify whether a given field's value should be inherited by child resources.</td></tr> </tbody> </table>		QName	Type	Fixed	Default	Use	approved	<code>xs:boolean</code>		false	optional		Standard attribute to specify whether a given field has an approved value. Applies to fields which have a request-approval framework, including <code>projectDirectory</code> , <code>storageCapacity</code> , and <code>storagePerformance</code> .				discoverable	<code>xs:boolean</code>	false		optional		Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems.				inherited	<code>xs:boolean</code>		true	optional		Standard attribute to specify whether a given field's value should be inherited by child resources.			
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	trackingLevel	trackingLevelType	InternalUseOnly		optional	
		Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)				
Source		<xs:element name="storagePerformance" minOccurs="1" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The qualitative assignment for storage performance, i.e. storage tier</xs:documentation> <xs:documentation xml:lang="en">If no user request was received and no value has yet been approved, then this field may be empty</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="storagePerformanceSetting" type="storagePerformanceType" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The current setting for storagePerformance (omitted until approved)</xs:documentation> <xs:documentation xml:lang="en">After approval, this value should be updated to match the approved value (in rare cases, the current setting may later deviate from the approved value)</xs:documentation> </xs:annotation> </xs:element> <xs:element name="requestedValue" type="storagePerformanceType" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The requested value for storagePerformance (omitted if no user request was received)</xs:documentation> </xs:annotation> </xs:element> <xs:element name="approvedValue" type="storagePerformanceType" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The approved value for storagePerformance (omitted if no sys admin has approved yet)</xs:documentation> <xs:documentation xml:lang="en">Once approved, the approved attribute should also be set to true</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> <xs:attribute ref="approved" default="false"/> <xs:attribute ref="inherited" default="true"/> <xs:attribute ref="discoverable" fixed="false"/> <xs:attribute ref="trackingLevel" fixed="InternalUseOnly"/> </xs:complexType> </xs:element>				

Element storageAndAccess / storagePerformance / storagePerformanceSetting

Namespace	No namespace						
Annotations	The current setting for storagePerformance (omitted until approved) After approval, this value should be updated to match the approved value (in rare cases, the current setting may later deviate from the approved value)						
Diagram							
Type	storagePerformanceType						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>enumeration</td> <td>Eco</td> <td>The most economical storage tier available in TigerData (lowest cost and smallest carbon footprint)</td> </tr> <tr> <td></td> <td></td> <td>Appropriate for long-term/low-use data, i.e. cold storage</td> </tr> </table>	enumeration	Eco	The most economical storage tier available in TigerData (lowest cost and smallest carbon footprint)			Appropriate for long-term/low-use data, i.e. cold storage
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		The typical implementation is an object store system, e.g. IBM Cloud Object Storage
	enumeration Standard	The middle storage tier for TigerData, used as a default
		Appropriate for data that is accessed occasionally but infrequently edited, i.e. cool storage
		The typical implementation is a network attached storage system, e.g. Dell PowerScale
	enumeration Premium	The most performant storage tier available in TigerData
		Reserved for actively edited data that needs to be close to high performance computing systems, i.e. warm storage
		The typical implementation is a cluster file system, e.g. IBM General Parallel File System
Source	<pre><xs:element name="storagePerformanceSetting" type="storagePerformanceType" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The current setting for storagePerformance (omitted until approved)</xs:documentation> <xs:documentation xml:lang="en">After approval, this value should be updated to match the approved value (in rare cases, the current setting may later deviate from the approved value)</xs:documentation> </xs:annotation> </xs:element></pre>	

Element storageAndAccess / storagePerformance / requestedValue

Namespace	No namespace											
Annotations	The requested value for storagePerformance (omitted if no user request was received)											
Diagram	<pre> classDiagram class requestedValue { <<The requested value for storagePerformance (omitted if no user request was received)>> } class storagePerformanceType { <<Standard type that defines the controlled vocabulary for storage performance values>> } requestedValue "0..1" o-- "*" storagePerformanceType </pre>											
Type	storagePerformanceType											
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> <td></td> </tr> <tr> <td>minOccurs:</td> <td>0</td> <td></td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> <td></td> </tr> </table>			content:	simple		minOccurs:	0		maxOccurs:	1	
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	enumeration	Standard	<p>The middle storage tier for TigerData, used as a default</p> <p>Appropriate for data that is accessed occasionally but infrequently edited, i.e. cool storage</p> <p>The typical implementation is a network attached storage system, e.g. Dell PowerScale</p>									
	enumeration	Premium	<p>The most performant storage tier available in TigerData</p> <p>Reserved for actively edited data that needs to be close to high performance computing systems, i.e. warm storage</p> <p>The typical implementation is a cluster file system, e.g. IBM General Parallel File System</p>									
Source	<pre><xs:element name="requestedValue" type="storagePerformanceType" minOccurs="0" maxOccurs="1"> <xs:annotation></pre>											

```

<xs:documentation xml:lang="en">The requested value for storagePerformance (omitted if no user
request was received)</xs:documentation>
</xs:annotation>
</xs:element>

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Element storageAndAccess / storagePerformance / approvedValue

Namespace	No namespace											
Annotations	<p>The approved value for storagePerformance (omitted if no sys admin has approved yet)</p> <p>Once approved, the approved attribute should also be set to true</p>											
Diagram	<pre> classDiagram class approvedValue { Type storagePerformanceType } class storagePerformanceType { <<Standard type that defines the controlled vocabulary for storage performance values>> } approvedValue "0..1" --> "1..1" storagePerformanceType </pre>											
Type	storagePerformanceType											
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> <td></td> </tr> <tr> <td>minOccurs:</td> <td>0</td> <td></td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> <td></td> </tr> </table>			content:	simple		minOccurs:	0		maxOccurs:	1	
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Source	<pre> <xs:element name="approvedValue" type="storagePerformanceType" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The approved value for storagePerformance (omitted if no sys admin has approved yet)</xs:documentation> <xs:documentation xml:lang="en">Once approved, the approved attribute should also be set to true</xs:documentation> </xs:annotation> </xs:element> </pre>											

Element storageAndAccess / numberOfFiles

Namespace	No namespace	
Annotations	The estimated number of files the project will incorporate	

	<p>fileEstimateType</p> <p>Standard type that defines the controlled vocabulary for the <code>numberOfFiles</code> field</p>																																			
	<p>Attributes</p> <p>inherited</p> <p>Type xs:boolean Default false</p> <p>Standard attribute to specify whether a given field's value should be inherited by child resources Inheritance is...</p> <p>discoverable</p> <p>Type xs:boolean Fixed false</p> <p>Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems</p> <p>trackingLevel</p> <p>Type trackingLevelType Fixed InternalUseOnly</p> <p>Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)</p>																																			
Type	extension of fileEstimateType																																			
Type hierarchy	<ul style="list-style-type: none"> xs:string fileEstimateType 																																			
Properties	<p>content: complex</p> <p>minOccurs: 1</p> <p>maxOccurs: 1</p> <p>default: Less than 10,000</p>																																			
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>discoverable</td> <td>xs:boolean</td> <td>false</td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems</td></tr> <tr> <td>inherited</td> <td>xs:boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">Standard attribute to specify whether a given field's value should be inherited by child resources</td></tr> <tr> <td>trackingLevel</td> <td>trackingLevelType</td> <td>InternalUseOnly</td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	discoverable	xs:boolean	false		optional		Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems				inherited	xs:boolean		false	optional		Standard attribute to specify whether a given field's value should be inherited by child resources				trackingLevel	trackingLevelType	InternalUseOnly		optional		Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)			
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Element storageAndAccess / hpc

Namespace	No namespace
Annotations	Whether the project is expected to connect to high performance computing resources

Diagram

	<pre> classDiagram class hpcType { <<Standard type that defines the controlled vocabulary for the hpc field>> } class hpc { <<Whether the project is expected to connect to high performance computing resources>> attribute Type xs:boolean attribute Default true } hpc "1" -- "0..1" hpcType : hpcType "0..1" -- "1" hpc : class @Attributes { class inherited { <<Standard attribute to specify whether a given field's value should be inherited by child resources Inheritance is...>> attribute Type xs:boolean attribute Default true } class discoverable { <<Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems>> attribute Type xs:boolean attribute Fixed false } class trackingLevel { <<Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)>> attribute Type trackingLevelType attribute Fixed InternalUseOnly } } </pre>																																													
Type	extension of hpcType																																													
Type hierarchy	<ul style="list-style-type: none"> • xs:string • hpcType 																																													
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inherited	xs:boolean	true		optional																																										
trackingLevel	trackingLevelType	InternalUseOnly		optional																																										
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Element additionalProjectInformation / projectPurpose

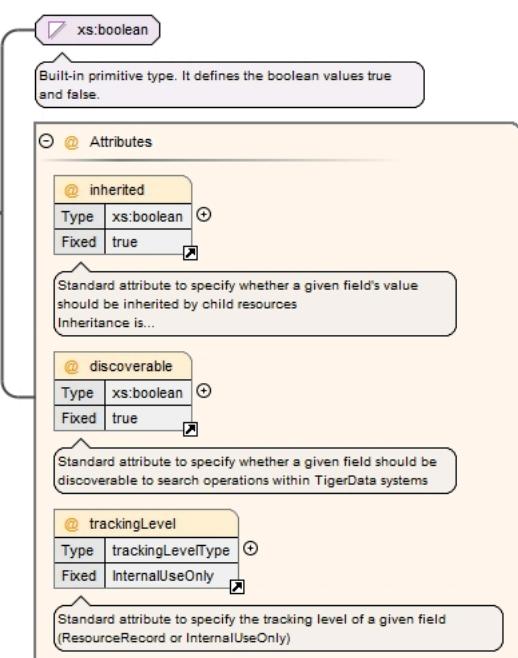
Namespace	No namespace
Annotations	The high-level category for the purpose of the project

Diagram	<pre> classDiagram class projectPurposeType { <<Standard type that defines the controlled vocabulary for the projectPurpose field>> } class projectPurpose { <<The high-level category for the purpose of the project>> Type: Extension of projectPurposeType Default: Research } projectPurpose "o--> projectPurposeType projectPurposeType <<@ Attributes>> attribute @inherited { Type: xs:boolean Default: true } attribute @discoverable { Type: xs:boolean Fixed: true } attribute @trackingLevel { Type: trackingLevelType Fixed: InternalUseOnly } </pre>																																			
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Element additionalProjectInformation / provisionalProject

Namespace	No namespace
Annotations	Whether the project is provisional

Diagram



Type	extension of xs:boolean																																							
Properties	content: complex minOccurs: 1 maxOccurs: 1 default: false																																							
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Source	<pre> <xs:element name="provisionalProject" minOccurs="1" maxOccurs="1" default="false"> <xs:annotation> <xs:documentation xml:lang="en">Whether the project is provisional</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:boolean"> <xs:attribute ref="inherited" fixed="true"/> <xs:attribute ref="discoverable" fixed="true"/> <xs:attribute ref="trackingLevel" fixed="InternalUseOnly"/> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element> </pre>																																							

Element additionalProjectInformation / grantFunded

Namespace	No namespace
Annotations	<p>Whether a resource is grant funded</p> <p>If the value is true, then at least one fundingReference field must be filled</p> <p>If any subproject or item contained in a project has a fundingReference, then this field should be set to true</p>

Diagram	<pre> classDiagram xs:boolean < -- grantFunded grantFunded { <<Extension of 'xs:boolean'>> <<Whether a resource is grant funded
If the value is true, then at least one fundingReference field must be filled
if any...>> @inherited { Type: xs:boolean Default: true } @discoverable { Type: xs:boolean Fixed: false } @trackingLevel { Type: trackingLevelType Fixed: InternalUseOnly } } </pre>																																								
Type	extension of xs:boolean																																								
Properties	<table border="1"> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1																																		
content:	complex																																								
minOccurs:	0																																								
maxOccurs:	1																																								
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>discoverable</td><td>xs:boolean</td><td>false</td><td></td><td>optional</td></tr> <tr> <td></td><td colspan="4">Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems</td></tr> <tr> <td>inherited</td><td>xs:boolean</td><td>true</td><td></td><td>optional</td></tr> <tr> <td></td><td colspan="4">Standard attribute to specify whether a given field's value should be inherited by child resources</td></tr> <tr> <td></td><td colspan="4">Inheritance is limited to the applicability of the field to the child resource (e.g., researchDomain may be inherited by a subproject but not an item)</td></tr> <tr> <td>trackingLevel</td><td>trackingLevelType</td><td>InternalUseOnly</td><td></td><td>optional</td></tr> <tr> <td></td><td colspan="4">Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	discoverable	xs:boolean	false		optional		Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems				inherited	xs:boolean	true		optional		Standard attribute to specify whether a given field's value should be inherited by child resources					Inheritance is limited to the applicability of the field to the child resource (e.g., researchDomain may be inherited by a subproject but not an item)				trackingLevel	trackingLevelType	InternalUseOnly		optional		Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)			
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trackingLevel	trackingLevelType	InternalUseOnly		optional																																					
	Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)																																								
Source	<pre> <xss:element name="grantFunded" minOccurs="0" maxOccurs="1"> <xss:annotation> <xss:documentation xml:lang="en">Whether a resource is grant funded</xss:documentation> <xss:documentation xml:lang="en">If the value is true, then at least one fundingReference field must be filled</xss:documentation> <xss:documentation xml:lang="en">If any subproject or item contained in a project has a fundingReference, then this field should be set to true</xss:documentation> </xss:annotation> <xss:complexType> <xss:simpleContent> <xss:extension base="xs:boolean"> <xss:attribute ref="inherited" default="true"/> <xss:attribute ref="discoverable" fixed="false"/> <xss:attribute ref="trackingLevel" fixed="InternalUseOnly"/> </xss:extension> </xss:simpleContent> </xss:complexType> </xss:element> </pre>																																								

Element additionalProjectInformation / dataUseAgreement

Namespace	No namespace
Annotations	<p>Whether a data use agreement applies to the project</p> <p>If the value is true, then at least one duaReference field must be filled</p>

	If any subproject or item contained in a project has a duaReference, then this field should be set to true																																								
Diagram	<p>The diagram illustrates the <code>xs:boolean</code> type and its attributes:</p> <ul style="list-style-type: none"> xs:boolean: Built-in primitive type. It defines the boolean values true and false. @inherited: Standard attribute to specify whether a given field's value should be inherited by child resources. Inheritance is limited to the applicability of the field to the child resource (e.g., researchDomain may be inherited by a subproject but not an item). @discoverable: Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems. @trackingLevel: Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly). 																																								
Type	extension of <code>xs:boolean</code>																																								
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1																																		
content:	complex																																								
minOccurs:	0																																								
maxOccurs:	1																																								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>discoverable</td> <td><code>xs:boolean</code></td> <td>false</td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td></td> <td></td> <td>Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems</td> <td></td> </tr> <tr> <td>inherited</td> <td><code>xs:boolean</code></td> <td></td> <td>true</td> <td>optional</td> </tr> <tr> <td></td> <td></td> <td></td> <td>Standard attribute to specify whether a given field's value should be inherited by child resources</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>Inheritance is limited to the applicability of the field to the child resource (e.g., researchDomain may be inherited by a subproject but not an item)</td> <td></td> </tr> <tr> <td>trackingLevel</td> <td><code>trackingLevelType</code></td> <td>InternalUseOnly</td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td></td> <td></td> <td>Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)</td> <td></td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	discoverable	<code>xs:boolean</code>	false		optional				Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems		inherited	<code>xs:boolean</code>		true	optional				Standard attribute to specify whether a given field's value should be inherited by child resources					Inheritance is limited to the applicability of the field to the child resource (e.g., researchDomain may be inherited by a subproject but not an item)		trackingLevel	<code>trackingLevelType</code>	InternalUseOnly		optional				Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)	
QName	Type	Fixed	Default	Use																																					
discoverable	<code>xs:boolean</code>	false		optional																																					
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trackingLevel	<code>trackingLevelType</code>	InternalUseOnly		optional																																					
			Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)																																						
Source	<pre> <xs:element name="dataUseAgreement" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">Whether a data use agreement applies to the project</xs:documentation> <xs:documentation xml:lang="en">If the value is true, then at least one duaReference field must be filled</xs:documentation> <xs:documentation xml:lang="en">If any subproject or item contained in a project has a duaReference, then this field should be set to true</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:boolean"> <xs:attribute ref="inherited" default="true"/> <xs:attribute ref="discoverable" fixed="false"/> <xs:attribute ref="trackingLevel" fixed="InternalUseOnly"/> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element> </pre>																																								

Element supplementalMetadata / keywords

Namespace	No namespace
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Annotations	The container element for all keywords for a resource May apply to either Projects or Items																				
Diagram	<pre> classDiagram class keywords { <<The container element for all keywords for a resource May apply to either Projects or Items>> @Attributes discoverable trackingLevel keyword[1..100] } discoverable { Type xs:boolean Fixed true } trackingLevel { Type trackingLevelType Fixed ResourceRecord } keyword { Type Extension of 'textType' } <<Tags for subject headings, content types, or other keywords May apply to either Projects and Items>> </pre>																				
Properties	content: complex minOccurs: 0 maxOccurs: 1																				
Model	keyword{1,100}																				
Children	keyword																				
Instance	< keywords discoverable="true" trackingLevel="ResourceRecord"> < keyword classificationCode="" inherited="true" xml:lang="en" subjectScheme="" subjectSchemeURI="" valueURI="">{ keyword> </keywords>																				
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>discoverable</td> <td>xs:boolean</td> <td>true</td> <td>optional</td> </tr> <tr> <td></td> <td></td> <td></td> <td>Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems</td> </tr> <tr> <td>trackingLevel</td> <td>trackingLevelType</td> <td>ResourceRecord</td> <td>optional</td> </tr> <tr> <td></td> <td></td> <td></td> <td>Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)</td> </tr> </tbody> </table>	QName	Type	Fixed	Use	discoverable	xs:boolean	true	optional				Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems	trackingLevel	trackingLevelType	ResourceRecord	optional				Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)
QName	Type	Fixed	Use																		
discoverable	xs:boolean	true	optional																		
			Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems																		
trackingLevel	trackingLevelType	ResourceRecord	optional																		
			Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)																		
Source	<pre> <xs:element name="keywords" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The container element for all keywords for a resource</xs:documentation> <xs:documentation xml:lang="en">May apply to either Projects or Items</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="keyword" minOccurs="1" maxOccurs="100"> <xs:annotation> <xs:documentation xml:lang="en">Tags for subject headings, content types, or other keywords</xs:documentation> <xs:documentation xml:lang="en">May apply to either Projects and Items</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="textType"> <xs:attribute name="subjectScheme" type="limitedTextType" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">The name of the subject scheme or classification code or authority if one is used.</xs:documentation> <xs:documentation xml:lang="en">Derived from DataCite Subject attribute definitions (v4.5)</xs:documentation> <xs:documentation>https://datacite-metadata-schema.readthedocs.io/en/4.5/properties/subject/</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute name="subjectSchemeURI" type="xs:anyURI" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">The URI of the subject identifier scheme.</xs:documentation> </xs:annotation> </xs:attribute> </xs:simpleContent> </xs:complexType> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>																				

```

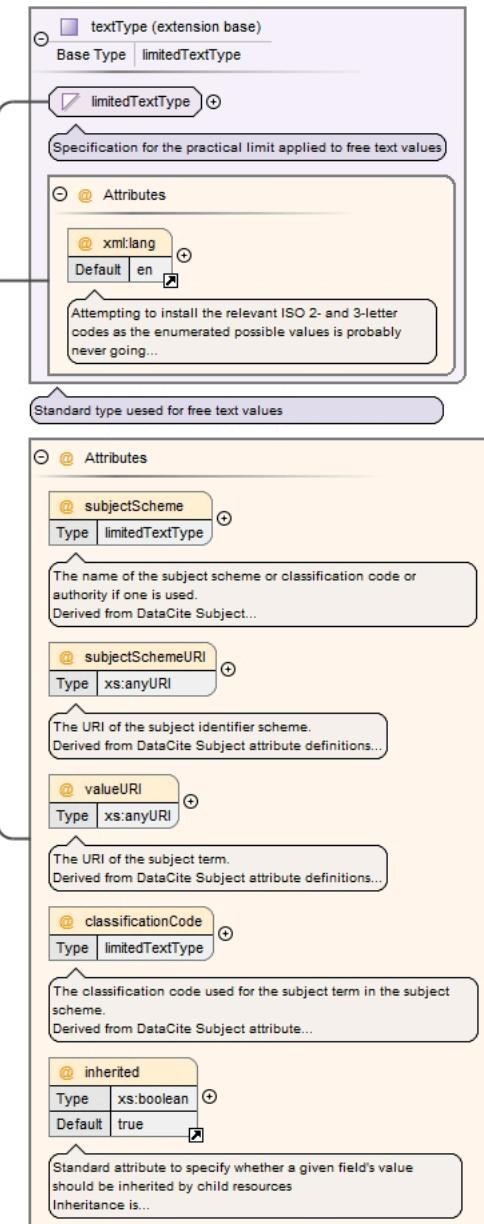
<xs:documentation xml:lang="en">Derived from DataCite Subject attribute
definitions (v4.5)</xs:documentation>
<xs:documentation>https://datacite-metadata-schema.readthedocs.io/en/4.5/
properties/subject/</xs:documentation>
</xs:annotation>
</xs:attribute>
<xs:attribute name="valueURI" type="xs:anyURI" use="optional">
<xs:annotation>
<xs:documentation xml:lang="en">The URI of the subject term.</xs:documentation>
<xs:documentation xml:lang="en">Derived from DataCite Subject attribute
definitions (v4.5)</xs:documentation>
<xs:documentation>https://datacite-metadata-schema.readthedocs.io/en/4.5/
properties/subject/</xs:documentation>
</xs:annotation>
</xs:attribute>
<xs:attribute name="classificationCode" type="limitedTextType" use="optional">
<xs:annotation>
<xs:documentation xml:lang="en">The classification code used for the subject term
in the subject scheme.</xs:documentation>
<xs:documentation xml:lang="en">Derived from DataCite Subject attribute
definitions (v4.5)</xs:documentation>
<xs:documentation>https://datacite-metadata-schema.readthedocs.io/en/4.5/
properties/subject/</xs:documentation>
</xs:annotation>
</xs:attribute>
<xs:attribute ref="inherited" default="true"/>
</xs:extension>
</xs:simpleContent>
</xs:complexType>
</xs:element>
</xs:sequence>
<xs:attribute ref="discoverable" fixed="true"/>
<xs:attribute ref="trackingLevel" fixed="ResourceRecord"/>
</xs:complexType>
</xs:element>

```

Element supplementalMetadata / keywords / keyword

Namespace	No namespace
Annotations	Tags for subject headings, content types, or other keywords May apply to either Projects and Items

Diagram



Type	extension of <code>textType</code>																							
Type hierarchy	<ul style="list-style-type: none"> • <code>xs:string</code> • <code>limitedTextType</code> • <code>textType</code> 																							
Properties	<table border="1"> <tr> <td>content:</td> <td colspan="3">complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> <td colspan="3"></td> </tr> <tr> <td>maxOccurs:</td> <td>100</td> <td colspan="3"></td> </tr> </table>				content:	complex			minOccurs:	1				maxOccurs:	100									
content:	complex																							
minOccurs:	1																							
maxOccurs:	100																							
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>classificationCode</code></td> <td><code>limitedTextType</code></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="3"> The classification code used for the subject term in the subject scheme. Derived from DataCite Subject attribute definitions (v4.5) https://datacite-metadata-schema.readthedocs.io/en/4.5/properties/subject/ </td></tr> <tr> <td><code>inherited</code></td> <td><code>xs:boolean</code></td> <td>true</td> <td>optional</td> </tr> <tr> <td></td> <td colspan="3"> Standard attribute to specify whether a given field's value should be inherited by child resources Inheritance is... </td></tr> </tbody> </table>				QName	Type	Default	Use	<code>classificationCode</code>	<code>limitedTextType</code>		optional		The classification code used for the subject term in the subject scheme. Derived from DataCite Subject attribute definitions (v4.5) https://datacite-metadata-schema.readthedocs.io/en/4.5/properties/subject/			<code>inherited</code>	<code>xs:boolean</code>	true	optional		Standard attribute to specify whether a given field's value should be inherited by child resources Inheritance is...		
QName	Type	Default	Use																					
<code>classificationCode</code>	<code>limitedTextType</code>		optional																					
	The classification code used for the subject term in the subject scheme. Derived from DataCite Subject attribute definitions (v4.5) https://datacite-metadata-schema.readthedocs.io/en/4.5/properties/subject/																							
<code>inherited</code>	<code>xs:boolean</code>	true	optional																					
	Standard attribute to specify whether a given field's value should be inherited by child resources Inheritance is...																							

QName	Type	Default	Use	
	Inheritance is limited to the applicability of the field to the child resource (e.g., researchDomain may be inherited by a subproject but not an item)			
subjectScheme	limitedTextType		optional	
	The name of the subject scheme or classification code or authority if one is used. Derived from DataCite Subject attribute definitions (v4.5) https://datacite-metadata-schema.readthedocs.io/en/4.5/properties/subject/			
subjectSchemeURI	xs:anyURI		optional	
	The URI of the subject identifier scheme. Derived from DataCite Subject attribute definitions (v4.5) https://datacite-metadata-schema.readthedocs.io/en/4.5/properties/subject/			
valueURI	xs:anyURI		optional	
	The URI of the subject term. Derived from DataCite Subject attribute definitions (v4.5) https://datacite-metadata-schema.readthedocs.io/en/4.5/properties/subject/			
xml:lang	union of(xs:language, restriction of xs:string)	en	optional	
	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. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/lang-tag-apps.htm for further information. The union allows for the 'un-declaration' of xml:lang with the empty string.			
Source	<pre> <xs:element name="keyword" minOccurs="1" maxOccurs="100"> <xs:annotation> <xs:documentation xml:lang="en">Tags for subject headings, content types, or other keywords</xs:documentation> <xs:documentation xml:lang="en">May apply to either Projects and Items</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="textType"> <xs:attribute name="subjectScheme" type="limitedTextType" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">The name of the subject scheme or classification code or authority if one is used.</xs:documentation> <xs:documentation xml:lang="en">Derived from DataCite Subject attribute definitions (v4.5)</xs:documentation> <xs:documentation>https://datacite-metadata-schema.readthedocs.io/en/4.5/properties/subject/</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute name="subjectSchemeURI" type="xs:anyURI" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">The URI of the subject identifier scheme.</xs:documentation> <xs:documentation xml:lang="en">Derived from DataCite Subject attribute definitions (v4.5)</xs:documentation> <xs:documentation>https://datacite-metadata-schema.readthedocs.io/en/4.5/properties/subject/</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute name="valueURI" type="xs:anyURI" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">The URI of the subject term.</xs:documentation> <xs:documentation xml:lang="en">Derived from DataCite Subject attribute definitions (v4.5)</xs:documentation> <xs:documentation>https://datacite-metadata-schema.readthedocs.io/en/4.5/properties/subject/</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute name="classificationCode" type="limitedTextType" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">The classification code used for the subject term in the subject scheme.</xs:documentation> </xs:annotation> </xs:attribute> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element></pre>			

```

<xs:documentation xml:lang="en">Derived from DataCite Subject attribute definitions
(v4.5)</xs:documentation>
  <xs:documentation>https://datacite-metadata-schema.readthedocs.io/en/4.5/properties/subject/</xs:documentation>
    </xs:annotation>
    </xs:attribute>
    <xs:attribute ref="inherited" default="true" />
  </xs:extension>
</xs:simpleContent>
</xs:complexType>
</xs:element>

```

Element supplementalMetadata / relations

Namespace	No namespace																				
Annotations	<p>The container element for all relations for a resource</p> <p>May apply to either Projects or Items</p>																				
Diagram	<pre> classDiagram class relations { @discoverable @trackingLevel relation } relations < -- discoverable relations < -- trackingLevel relations < -- relation discoverable < -- limitedTextType </pre> <p>The container element for all relations for a resource May apply to either Projects or Items</p>																				
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>																				
Model	relation{1,100}																				
Children	relation																				
Instance	<pre> <relations discoverable="true" trackingLevel="ResourceRecord"> <relation inherited="false" relatedIDType="DOI" relatedMetadataScheme="" relatedMetadataSchemeType="" relatedMeta... </relation> </relations> </pre>																				
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>discoverable</td> <td>xs:boolean</td> <td>true</td> <td>optional</td> </tr> <tr> <td></td> <td></td> <td></td> <td>Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems</td> </tr> <tr> <td>trackingLevel</td> <td>trackingLevelType</td> <td>ResourceRecord</td> <td>optional</td> </tr> <tr> <td></td> <td></td> <td></td> <td>Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)</td> </tr> </tbody> </table>	QName	Type	Fixed	Use	discoverable	xs:boolean	true	optional				Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems	trackingLevel	trackingLevelType	ResourceRecord	optional				Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)
QName	Type	Fixed	Use																		
discoverable	xs:boolean	true	optional																		
			Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems																		
trackingLevel	trackingLevelType	ResourceRecord	optional																		
			Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)																		
Source	<pre> <xs:element name="relations" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The container element for all relations for a resource</xs:documentation> <xs:documentation xml:lang="en">May apply to either Projects or Items</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="relation" minOccurs="1" maxOccurs="100"> <xs:annotation> <xs:documentation xml:lang="en">Specifies a related TigerData project or item, a published paper, or any other digital object</xs:documentation> <xs:documentation xml:lang="en">May apply to either Projects or Items</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>																				

```

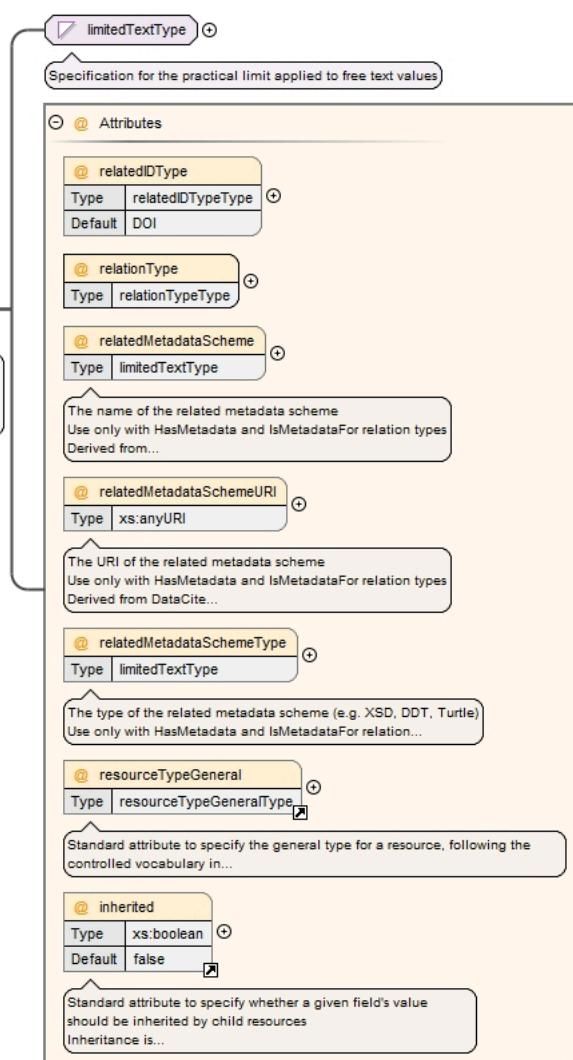
<xs:complexType>
  <xs:simpleContent>
    <xs:extension base="limitedTextType">
      <xs:attribute name="relatedIDType" type="relatedIDTypeType" default="DOI"/>
      <xs:attribute name="relationType" type="relationTypeType" use="required"/>
      <xs:attribute name="relatedMetadataScheme" type="limitedTextType" use="optional">
        <xs:annotation>
          <xs:documentation xml:lang="en">The name of the related metadata scheme</xs:documentation>
        <xs:annotation>
          <xs:documentation xml:lang="en">Use only with HasMetadata and IsMetadataFor relation types</xs:documentation>
          <xs:documentation xml:lang="en">Derived from DataCite RelatedIdentifier attribute definitions (v4.5)</xs:documentation>
          <xs:documentation>https://datacite-metadata-schema.readthedocs.io/en/4.5/properties/relatedidentifier/</xs:documentation>
        </xs:annotation>
      </xs:attribute>
      <xs:attribute name="relatedMetadataSchemeURI" type="xs:anyURI" use="optional">
        <xs:annotation>
          <xs:documentation xml:lang="en">The URI of the related metadata scheme</xs:documentation>
        <xs:annotation>
          <xs:documentation xml:lang="en">Use only with HasMetadata and IsMetadataFor relation types</xs:documentation>
          <xs:documentation xml:lang="en">Derived from DataCite RelatedIdentifier attribute definitions (v4.5)</xs:documentation>
          <xs:documentation>https://datacite-metadata-schema.readthedocs.io/en/4.5/properties/relatedidentifier/</xs:documentation>
        </xs:annotation>
      </xs:attribute>
      <xs:attribute name="relatedMetadataSchemeType" type="limitedTextType" use="optional">
        <xs:annotation>
          <xs:documentation xml:lang="en">The type of the related metadata scheme (e.g. XSD, DDT, Turtle)</xs:documentation>
          <xs:documentation xml:lang="en">Use only with HasMetadata and IsMetadataFor relation types</xs:documentation>
          <xs:documentation xml:lang="en">Derived from DataCite RelatedIdentifier attribute definitions (v4.5)</xs:documentation>
          <xs:documentation>https://datacite-metadata-schema.readthedocs.io/en/4.5/properties/relatedidentifier/</xs:documentation>
        </xs:annotation>
      </xs:attribute>
      <xs:attribute ref="resourceTypeGeneral" use="optional"/>
      <xs:attribute ref="inherited" default="false"/>
    </xs:extension>
    <xs:simpleContent>
      </xs:complexType>
    </xs:element>
  </xs:sequence>
  <xs:attribute ref="discoverable" fixed="true"/>
  <xs:attribute ref="trackingLevel" fixed="ResourceRecord" />
</xs:complexType>
</xs:element>

```

Element supplementalMetadata / relations / relation

Namespace	No namespace
Annotations	Specifies a related TigerData project or item, a published paper, or any other digital object May apply to either Projects or Items

Diagram



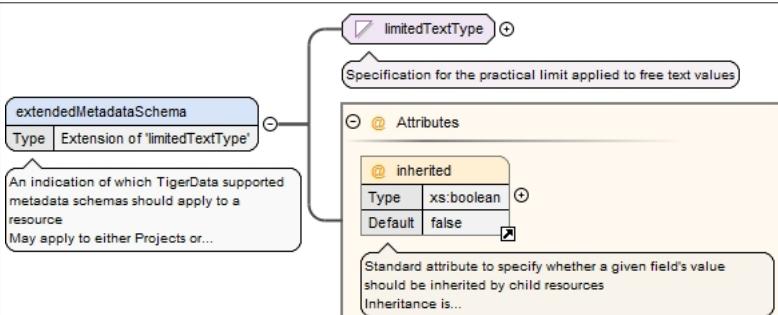
Type	extension of limitedTextType																															
Type hierarchy	<ul style="list-style-type: none"> • xs:string • limitedTextType 																															
Properties	<p>content: complex</p> <p>minOccurs: 1</p> <p>maxOccurs: 100</p>																															
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>inherited</td><td>xs:boolean</td><td>false</td><td>optional</td></tr> <tr> <td></td><td colspan="3"> Standard attribute to specify whether a given field's value should be inherited by child resources Inheritance is limited to the applicability of the field to the child resource (e.g., researchDomain may be inherited by a subproject but not an item) </td></tr> <tr> <td>relatedIDType</td><td>relatedIDTypeType</td><td>DOI</td><td>optional</td></tr> <tr> <td>relatedMetadataScheme</td><td>limitedTextType</td><td></td><td>optional</td></tr> <tr> <td></td><td colspan="3"> The name of the related metadata scheme Use only with HasMetadata and IsMetadataFor relation types Derived from DataCite RelatedIdentifier attribute definitions (v4.5) https://datacite-metadataschema.readthedocs.io/en/4.5/properties/relatedidentifier/ </td></tr> <tr> <td>relatedMetadataSchemeType</td><td>limitedTextType</td><td></td><td>optional</td></tr> </tbody> </table>				QName	Type	Default	Use	inherited	xs:boolean	false	optional		Standard attribute to specify whether a given field's value should be inherited by child resources Inheritance is limited to the applicability of the field to the child resource (e.g., researchDomain may be inherited by a subproject but not an item)			relatedIDType	relatedIDTypeType	DOI	optional	relatedMetadataScheme	limitedTextType		optional		The name of the related metadata scheme Use only with HasMetadata and IsMetadataFor relation types Derived from DataCite RelatedIdentifier attribute definitions (v4.5) https://datacite-metadataschema.readthedocs.io/en/4.5/properties/relatedidentifier/			relatedMetadataSchemeType	limitedTextType		optional
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relatedIDType	relatedIDTypeType	DOI	optional																													
relatedMetadataScheme	limitedTextType		optional																													
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relatedMetadataSchemeType	limitedTextType		optional																													

QName	Type	Default	Use	
		The type of the related metadata scheme (e.g. XSD, DDT, Turtle) Use only with HasMetadata and IsMetadataFor relation types Derived from DataCite RelatedIdentifier attribute definitions (v4.5) https://datacite-metadata-schema.readthedocs.io/en/4.5/properties/relatedidentifier/		
relatedMetadataSchemeURI	xs:anyURI		optional	
		The URI of the related metadata scheme Use only with HasMetadata and IsMetadataFor relation types Derived from DataCite RelatedIdentifier attribute definitions (v4.5) https://datacite-metadata-schema.readthedocs.io/en/4.5/properties/relatedidentifier/		
relationType	relationTypeType		required	
resourceTypeGeneral	resourceTypeGeneralType		optional	
		Standard attribute to specify the general type for a resource, following the controlled vocabulary in resourceTypeGeneralType Derived from the DataCite controlled vocabulary for resourceTypeGeneral (v4.5+)		
Source	<pre> <xs:element name="relation" minOccurs="1" maxOccurs="100"> <xs:annotation> <xs:documentation xml:lang="en">Specifies a related TigerData project or item, a published paper, or any other digital object</xs:documentation> <xs:documentation xml:lang="en">May apply to either Projects or Items</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="limitedTextType"> <xs:attribute name="relatedIDType" type="relatedIDTypeType" default="DOI" /> <xs:attribute name="relationType" type="relationTypeType" use="required" /> <xs:attribute name="relatedMetadataScheme" type="limitedTextType" use="optional" /> <xs:annotation> <xs:documentation xml:lang="en">The name of the related metadata scheme</xs:documentation> <xs:documentation xml:lang="en">Use only with HasMetadata and IsMetadataFor relation types</xs:documentation> <xs:documentation xml:lang="en">Derived from DataCite RelatedIdentifier attribute definitions (v4.5)</xs:documentation> <xs:documentation>https://datacite-metadata-schema.readthedocs.io/en/4.5/properties/relatedidentifier/</xs:documentation> </xs:annotation> </xs:extension> </xs:simpleContent> </xs:complexType> <xs:attribute name="relatedMetadataSchemeURI" type="xs:anyURI" use="optional" /> <xs:annotation> <xs:documentation xml:lang="en">The URI of the related metadata scheme</xs:documentation> <xs:documentation xml:lang="en">Use only with HasMetadata and IsMetadataFor relation types</xs:documentation> <xs:documentation xml:lang="en">Derived from DataCite RelatedIdentifier attribute definitions (v4.5)</xs:documentation> <xs:documentation>https://datacite-metadata-schema.readthedocs.io/en/4.5/properties/relatedidentifier/</xs:documentation> </xs:annotation> <xs:attribute name="relatedMetadataSchemeType" type="limitedTextType" use="optional" /> <xs:annotation> <xs:documentation xml:lang="en">The type of the related metadata scheme (e.g. XSD, DDT, Turtle)</xs:documentation> <xs:documentation xml:lang="en">Use only with HasMetadata and IsMetadataFor relation types</xs:documentation> <xs:documentation xml:lang="en">Derived from DataCite RelatedIdentifier attribute definitions (v4.5)</xs:documentation> <xs:documentation>https://datacite-metadata-schema.readthedocs.io/en/4.5/properties/relatedidentifier/</xs:documentation> </xs:annotation> <xs:attribute ref="resourceTypeGeneral" use="optional" /> <xs:attribute ref="inherited" default="false" /> </xs:complexType> </xs:element></pre>			

Element supplementalMetadata / extendedMetadataSchemas

Namespace	No namespace																				
Annotations	<p>The container element for all extended metadata schemas for a resource</p> <p>May apply to either Projects or Items</p>																				
Diagram	<pre> classDiagram class extendedMetadataSchemas { @discoverable @trackingLevel 1..100 extendedMetadataSchema } class extendedMetadataSchema { Type: Extension of limitedTextType } extendedMetadataSchemas < -- extendedMetadataSchema extendedMetadataSchemas < -- extendedMetadataSchema ... extendedMetadataSchemas < -- extendedMetadataSchema </pre> <p>The container element for all extended metadata schemas for a resource May apply to either Projects or Items</p> <p>Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems</p> <p>Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)</p> <p>An indication of which TigerData supported metadata schemas should apply to a resource May apply to either Projects or...</p>																				
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1														
content:	complex																				
minOccurs:	0																				
maxOccurs:	1																				
Model	extendedMetadataSchema{1,100}																				
Children	extendedMetadataSchema																				
Instance	<pre> <extendedMetadataSchemas discoverable="false" trackingLevel="InternalUseOnly"> <extendedMetadataSchema inherited="false">{1,100}</extendedMetadataSchema> </extendedMetadataSchemas> </pre>																				
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>discoverable</td> <td>xs:boolean</td> <td>false</td> <td>optional</td> </tr> <tr> <td></td> <td></td> <td></td> <td>Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems</td> </tr> <tr> <td>trackingLevel</td> <td>trackingLevelType</td> <td>InternalUseOnly</td> <td>optional</td> </tr> <tr> <td></td> <td></td> <td></td> <td>Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)</td> </tr> </tbody> </table>	QName	Type	Fixed	Use	discoverable	xs:boolean	false	optional				Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems	trackingLevel	trackingLevelType	InternalUseOnly	optional				Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)
QName	Type	Fixed	Use																		
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trackingLevel	trackingLevelType	InternalUseOnly	optional																		
			Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)																		
Source	<pre> <xs:element name="extendedMetadataSchemas" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The container element for all extended metadata schemas for a resource</xs:documentation> <xs:documentation xml:lang="en">May apply to either Projects or Items</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="extendedMetadataSchema" minOccurs="1" maxOccurs="100"> <xs:annotation> <xs:documentation xml:lang="en">An indication of which TigerData supported metadata schemas should apply to a resource</xs:documentation> <xs:documentation xml:lang="en">May apply to either Projects or Items</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="limitedTextType"> <xs:attribute ref="inherited" default="false"/> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element> </xs:sequence> <xs:attribute ref="discoverable" fixed="false"/> <xs:attribute ref="trackingLevel" fixed="InternalUseOnly"/> </xs:complexType> </xs:element> </pre>																				

Element supplementalMetadata / extendedMetadataSchemas / extendedMetadataSchema

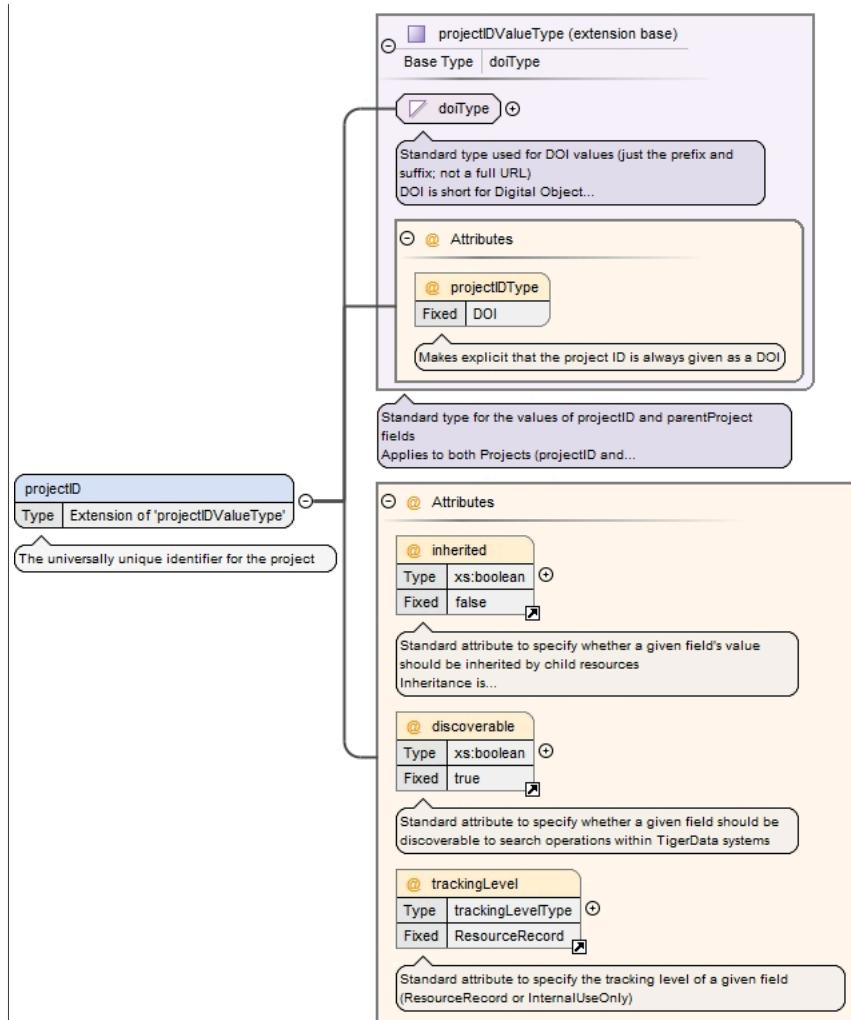
Namespace	No namespace																
Annotations	An indication of which TigerData supported metadata schemas should apply to a resource May apply to either Projects or Items																
Diagram	 <pre> classDiagram class limitedTextType { <<Specification for the practical limit applied to free text values>> } class extendedMetadataSchema { <<An indication of which TigerData supported metadata schemas should apply to a resource May apply to either Projects or...>> <<Type Extension of 'limitedTextType'>> } limitedTextType "0..1" -- "1..1" extendedMetadataSchema : @ Attributes class Attributes { <<Attributes>> class inherited { <<@ inherited
Type xs:boolean
Default false

Standard attribute to specify whether a given field's value should be inherited by child resources
Inheritance is...>> } } </pre>																
Type	extension of limitedTextType																
Type hierarchy	<ul style="list-style-type: none"> xs:string limitedTextType 																
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>100</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	100										
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QName	Type	Default	Use														
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	Standard attribute to specify whether a given field's value should be inherited by child resources																
	Inheritance is limited to the applicability of the field to the child resource (e.g., researchDomain may be inherited by a subproject but not an item)																
Source	<pre> <xss:element name="extendedMetadataSchema" minOccurs="1" maxOccurs="100"> <xss:annotation> <xss:documentation xml:lang="en">An indication of which TigerData supported metadata schemas should apply to a resource</xss:documentation> <xss:documentation xml:lang="en">May apply to either Projects or Items</xss:documentation> </xss:annotation> <xss:complexType> <xss:simpleContent> <xss:extension base="limitedTextType"> <xss:attribute ref="inherited" default="false"/> </xss:extension> </xss:simpleContent> </xss:complexType> </xss:element> </pre>																

Element projectFields / projectID

Namespace	No namespace
Annotations	The universally unique identifier for the project

Diagram



Type	extension of projectIDValueType																																							
Type hierarchy	<ul style="list-style-type: none"> xs:string doiType projectIDValueType 																																							
Properties	<p>content: complex</p> <p>minOccurs: 1</p> <p>maxOccurs: 1</p>																																							
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>discoverable</td> <td>xs:boolean</td> <td>true</td> <td>optional</td> </tr> <tr> <td></td> <td colspan="3">Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems</td></tr> <tr> <td>inherited</td> <td>xs:boolean</td> <td>false</td> <td>optional</td> </tr> <tr> <td></td> <td colspan="3">Standard attribute to specify whether a given field's value should be inherited by child resources Inheritance is limited to the applicability of the field to the child resource (e.g., researchDomain may be inherited by a subproject but not an item)</td></tr> <tr> <td>projectIDType</td> <td></td> <td>DOI</td> <td>optional</td> </tr> <tr> <td></td> <td colspan="3">Makes explicit that the project ID is always given as a DOI</td></tr> <tr> <td>trackingLevel</td> <td>trackingLevelType</td> <td>ResourceRecord</td> <td>optional</td> </tr> <tr> <td></td> <td colspan="3">Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)</td></tr> </tbody> </table>				QName	Type	Fixed	Use	discoverable	xs:boolean	true	optional		Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems			inherited	xs:boolean	false	optional		Standard attribute to specify whether a given field's value should be inherited by child resources Inheritance is limited to the applicability of the field to the child resource (e.g., researchDomain may be inherited by a subproject but not an item)			projectIDType		DOI	optional		Makes explicit that the project ID is always given as a DOI			trackingLevel	trackingLevelType	ResourceRecord	optional		Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)		
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trackingLevel	trackingLevelType	ResourceRecord	optional																																					
	Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)																																							
Source	<xss:element name="projectID" minOccurs="1" maxOccurs="1">																																							

```

<xs:annotation>
  <xs:documentation xml:lang="en">The universally unique identifier for the project</
xs:documentation>
</xs:annotation>
<xs:complexType>
  <xs:simpleContent>
    <xs:extension base="projectIDValueType">
      <xs:attribute ref="inherited" fixed="false"/>
      <xs:attribute ref="discoverable" fixed="true"/>
      <xs:attribute ref="trackingLevel" fixed="ResourceRecord"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
</xs:element>

```

Element projectFields / projectProvenance

Namespace	No namespace						
Annotations	The container element for all TigerData project provenance fields						
Diagram	<pre> graph LR PP([projectProvenance]) --> S(submission) PP --> R(revisions) PP --> RT(retirement) PP --> P(publication) PP --> ST(status) PP --> SV(schemaVersion) </pre> <p>The diagram illustrates the structure of the <code>projectProvenance</code> element. It is a container for several sub-elements: <code>submission</code>, <code>revisions</code>, <code>retirement</code>, <code>publication</code>, <code>status</code>, and <code>schemaVersion</code>. Each sub-element is accompanied by a callout box providing its definition.</p> <ul style="list-style-type: none"> <code>submission</code>: A record of a project's initial submission. <code>revisions</code>: The container element for all revision records. <code>retirement</code>: A record of a project's retirement. <code>publication</code>: A record of a project's publication. <code>status</code>: The current status of the project. It includes a table with Type (Extension of 'statusType') and Default (Pending). <code>schemaVersion</code>: The version of the TigerData Standard Metadata Schema used. It includes a table with Type (Extension of 'limitedTextType'). 						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	submission , revisions{0,1} , retirement{0,1} , publication{0,1} , status , schemaVersion						
Children	publication, retirement, revisions, schemaVersion, status, submission						
Instance	<pre> <projectProvenance> <submission discoverable="false" inherited="false" trackingLevel="InternalUseOnly">{1,1}</ submission> <revisions discoverable="false" trackingLevel="InternalUseOnly">{0,1}</revisions> <retirement discoverable="false" inherited="true" trackingLevel="InternalUseOnly">{0,1}</ retirement> <publication discoverable="false" inherited="true" trackingLevel="InternalUseOnly">{0,1}</ publication> <status discoverable="true" inherited="false" trackingLevel="InternalUseOnly">{1,1}</status> <schemaVersion discoverable="true" inherited="true" trackingLevel="InternalUseOnly">{1,1}</ schemaVersion> </projectProvenance> </pre>						
Source	<pre> <xs:element name="projectProvenance" minOccurs="1" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The container element for all TigerData project provenance fields</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="submission" minOccurs="1" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">A record of a project's initial submission</ xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>						

```

<xs:group ref="provenanceSubfields" />
<xs:attribute ref="inherited" fixed="false" />
<xs:attribute ref="discoverable" fixed="false" />
<xs:attribute ref="trackingLevel" fixed="InternalUseOnly" />
</xs:complexType>
</xs:element>
<xs:element name="revisions" minOccurs="0" maxOccurs="1">
    <xs:annotation>
        <xs:documentation xml:lang="en">The container element for all revision records</xs:documentation>
    </xs:annotation>
    <xs:complexType>
        <xs:sequence>
            <xs:element name="revision" minOccurs="1" maxOccurs="100">
                <xs:annotation>
                    <xs:documentation xml:lang="en">A record of a major revision to an active project</xs:documentation>
                </xs:annotation>
                <xs:complexType>
                    <xs:group ref="provenanceSubfields" />
                    <xs:attribute ref="inherited" default="false" />
                </xs:complexType>
            </xs:element>
        </xs:sequence>
        <xs:attribute ref="discoverable" fixed="false" />
        <xs:attribute ref="trackingLevel" fixed="InternalUseOnly" />
    </xs:complexType>
</xs:element>
<xs:element name="retirement" minOccurs="0" maxOccurs="1">
    <xs:annotation>
        <xs:documentation xml:lang="en">A record of a project's retirement</xs:documentation>
    </xs:annotation>
    <xs:complexType>
        <xs:group ref="provenanceSubfields" />
        <xs:attribute ref="inherited" fixed="true" />
        <xs:attribute ref="discoverable" fixed="false" />
        <xs:attribute ref="trackingLevel" fixed="InternalUseOnly" />
    </xs:complexType>
</xs:element>
<xs:element name="publication" minOccurs="0" maxOccurs="1">
    <xs:annotation>
        <xs:documentation xml:lang="en">A record of a project's publication</xs:documentation>
    </xs:annotation>
    <xs:complexType>
        <xs:group ref="provenanceSubfields" />
        <xs:attribute ref="inherited" fixed="true" />
        <xs:attribute ref="discoverable" fixed="false" />
        <xs:attribute ref="trackingLevel" fixed="InternalUseOnly" />
    </xs:complexType>
</xs:element>
<xs:element name="status" minOccurs="1" maxOccurs="1" default="Pending">
    <xs:annotation>
        <xs:documentation xml:lang="en">The current status of the project</xs:documentation>
    </xs:annotation>
    <xs:complexType>
        <xs:simpleContent>
            <xs:extension base="statusType" />
            <xs:attribute ref="inherited" default="false" />
            <xs:attribute ref="discoverable" fixed="true" />
            <xs:attribute ref="trackingLevel" fixed="InternalUseOnly" />
        </xs:extension>
        </xs:simpleContent>
    </xs:complexType>
</xs:element>
<xs:element name="schemaVersion" maxOccurs="1" minOccurs="1">
    <xs:annotation>
        <xs:documentation xml:lang="en">The version of the TigerData Standard Metadata Schema used</xs:documentation>
    </xs:annotation>
    <xs:complexType>
        <xs:simpleContent>
            <xs:extension base="limitedTextType" />
            <xs:attribute ref="inherited" default="true" />
            <xs:attribute ref="discoverable" fixed="true" />
            <xs:attribute ref="trackingLevel" fixed="InternalUseOnly" />
        </xs:extension>
        </xs:simpleContent>
    </xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:elements>

```

Element projectFields / projectProvenance / submission

Namespace	No namespace
Annotations	A record of a project's initial submission
Diagram	<pre> classDiagram class submission { @ inherited @ discoverable @ trackingLevel +provenanceSubfields } class provenanceSubfields { +requestedBy +requestDateTime +approvedBy +approvalDateTime +deniedBy +denialDateTime +eventNote } submission < -- provenanceSubfields </pre> <p>The diagram illustrates the structure of the <code>submission</code> element. It contains three standard attributes: <code>@ inherited</code> (Type: <code>xs:boolean</code>, Fixed: <code>false</code>), <code>@ discoverable</code> (Type: <code>xs:boolean</code>, Fixed: <code>false</code>), and <code>@ trackingLevel</code> (Type: <code>trackingLevelType</code>, Fixed: <code>InternalUseOnly</code>). Below these is a group of <code>provenanceSubfields</code>, which includes fields for <code>requestedBy</code> (Type: <code>userType</code>), <code>requestDateTime</code> (Type: <code>xs:dateTime</code>), <code>approvedBy</code> (Type: <code>userType</code>), <code>approvalDateTime</code> (Type: <code>xs:dateTime</code>), <code>deniedBy</code> (Type: <code>userType</code>), <code>denialDateTime</code> (Type: <code>xs:dateTime</code>), and <code>eventNote</code> (Type: <code>anyType</code>, multiplicity: <code>0..100</code>). A note at the bottom states: "The group of all standard subfields included in project provenance fields Does not apply to Items".</p>
Properties	content: complex

	minOccurs:	1																																					
	maxOccurs:	1																																					
Model	requestedBy , requestDateTime , approvedBy{0,1} , approvalDateTime{0,1} , deniedBy{0,1} , denialDateTime{0,1} , eventNote{0,100}																																						
Children	approvalDateTime, approvedBy, denialDateTime, deniedBy, eventNote, requestDateTime, requestedBy																																						
Instance	<pre><submission discoverable="false" inherited="false" trackingLevel="InternalUseOnly"> <requestedBy userID="" userIDType="NetID">{1,1}</requestedBy> <requestDateTime>{1,1}</requestDateTime> <approvedBy userID="" userIDType="NetID">{0,1}</approvedBy> <approvalDateTime>{0,1}</approvalDateTime> <deniedBy userID="" userIDType="NetID">{0,1}</deniedBy> <denialDateTime>{0,1}</denialDateTime> <eventNote>{0,100}</eventNote> </submission></pre>																																						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>discoverable</td> <td>xs:boolean</td> <td>false</td> <td>optional</td> <td></td> </tr> <tr> <td></td> <td colspan="4">Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems</td></tr> <tr> <td>inherited</td> <td>xs:boolean</td> <td>false</td> <td>optional</td> <td></td> </tr> <tr> <td></td> <td colspan="4">Standard attribute to specify whether a given field's value should be inherited by child resources</td></tr> <tr> <td>trackingLevel</td> <td>trackingLevelType</td> <td>InternalUseOnly</td> <td>optional</td> <td></td> </tr> <tr> <td></td> <td colspan="4">Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)</td></tr> </tbody> </table>	QName	Type	Fixed	Use		discoverable	xs:boolean	false	optional			Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems				inherited	xs:boolean	false	optional			Standard attribute to specify whether a given field's value should be inherited by child resources				trackingLevel	trackingLevelType	InternalUseOnly	optional			Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)						
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trackingLevel	trackingLevelType	InternalUseOnly	optional																																				
	Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)																																						
Source	<pre><xss:element name="submission" minOccurs="1" maxOccurs="1"> <xss:annotation> <xss:documentation xml:lang="en">A record of a project's initial submission</xss:documentation> </xss:annotation> <xss:complexType> <xss:group ref="provenanceSubfields"/> <xss:attribute ref="inherited" fixed="false"/> <xss:attribute ref="discoverable" fixed="false"/> <xss:attribute ref="trackingLevel" fixed="InternalUseOnly"/> </xss:complexType> </xss:element></pre>																																						

Element projectFields / projectProvenance / revisions

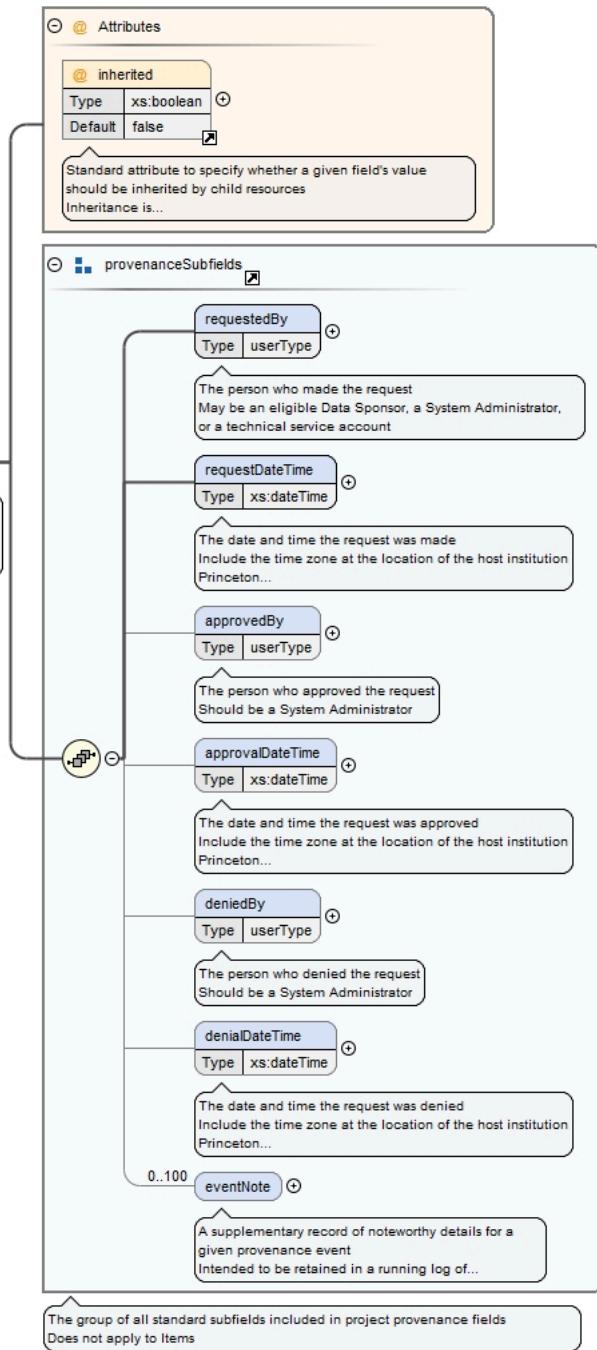
Namespace	No namespace						
Annotations	The container element for all revision records						
Diagram	<pre> classDiagram class revisions { @ Attributes @ discoverable Type xs:boolean Fixed false Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems @ trackingLevel Type trackingLevelType Fixed InternalUseOnly Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly) } revisions "1..100" o-- revision : revision revision "A record of a major revision to an active project" </pre>						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	revision{1,100}						

Children	revision				
Instance	<pre><revisions discoverable="false" trackingLevel="InternalUseOnly"> <revision inherited="false">{1,100}</revision> </revisions></pre>				
Attributes	QName	Type	Fixed	Use	
	discoverable	xs:boolean	false	optional	
		Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems			
	trackingLevel	trackingLevelType	InternalUseOnly	optional	
		Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)			
Source	<pre><xs:element name="revisions" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The container element for all revision records</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="revision" minOccurs="1" maxOccurs="100"> <xs:annotation> <xs:documentation xml:lang="en">A record of a major revision to an active project</xs:documentation> </xs:annotation> <xs:complexType> <xs:group ref="provenanceSubfields"/> <xs:attribute ref="inherited" default="false"/> </xs:complexType> </xs:element> </xs:sequence> <xs:attribute ref="discoverable" fixed="false"/> <xs:attribute ref="trackingLevel" fixed="InternalUseOnly"/> </xs:complexType> </xs:element></pre>				

Element projectFields / projectProvenance / revisions / revision

Namespace	No namespace
Annotations	A record of a major revision to an active project

Diagram



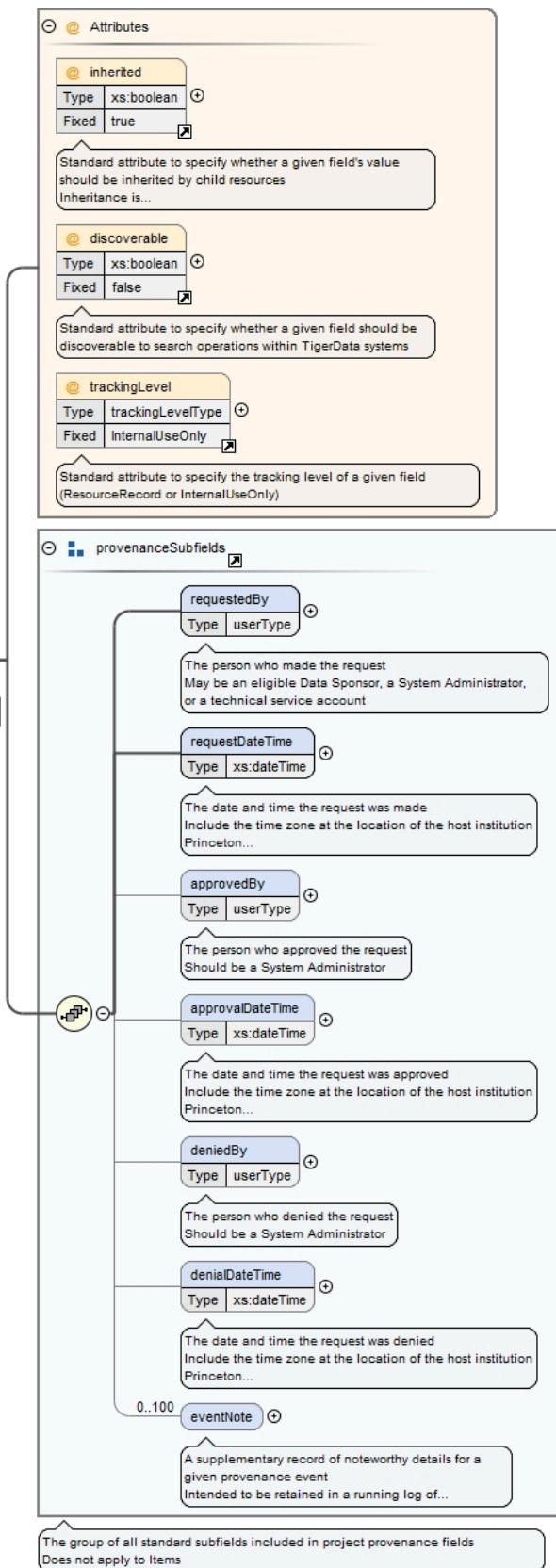
Properties	<p>content: complex</p> <p>minOccurs: 1</p> <p>maxOccurs: 100</p>
Model	requestedBy , requestDateTime , approvedBy{0,1} , approvalDateTime{0,1} , deniedBy{0,1} , denialDateTime{0,1} , eventNote{0,100}
Children	approvalDateTime, approvedBy, denialDateTime, deniedBy, eventNote, requestDateTime, requestedBy
Instance	<pre><revision inherited="false"> <requestedBy userID="" userIDType="NetID">{1,1}</requestedBy> <requestDateTime>{1,1}</requestDateTime> <approvedBy userID="" userIDType="NetID">{0,1}</approvedBy> <approvalDateTime>{0,1}</approvalDateTime> <deniedBy userID="" userIDType="NetID">{0,1}</deniedBy> <denialDateTime>{0,1}</denialDateTime> <eventNote>{0,100}</eventNote> </revision></pre>

Attributes	QName	Type	Default	Use	
	inherited	xs:boolean	false	optional	
	Standard attribute to specify whether a given field's value should be inherited by child resources				
	Inheritance is limited to the applicability of the field to the child resource (e.g., researchDomain may be inherited by a subproject but not an item)				
Source	<pre><xs:element name="revision" minOccurs="1" maxOccurs="100"> <xs:annotation> <xs:documentation xml:lang="en">A record of a major revision to an active project</ xs:documentation> </xs:annotation> <xs:complexType> <xs:group ref="provenanceSubfields"/> <xs:attribute ref="inherited" default="false"/> </xs:complexType> </xs:element></pre>				

Element projectFields / projectProvenance / retirement

Namespace	No namespace
Annotations	A record of a project's retirement

Diagram



Properties

content: complex

minOccurs: 0

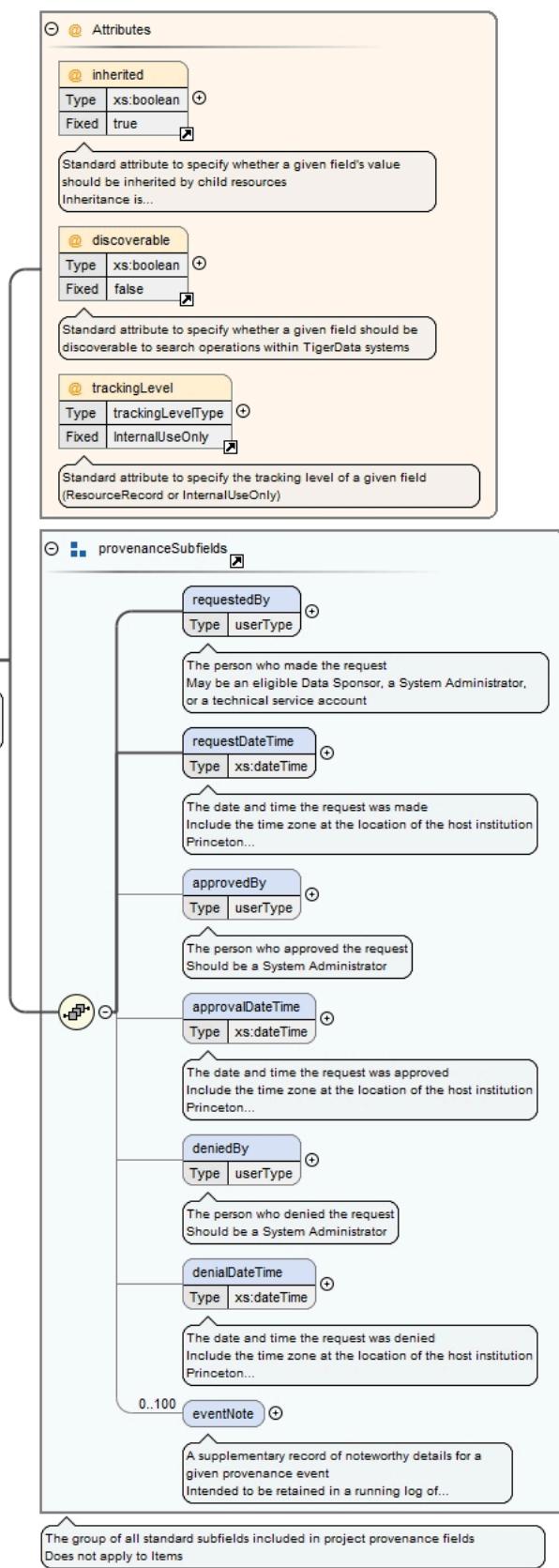
maxOccurs: 1

Model	requestedBy , requestDateTime , approvedBy{0,1} , approvalDateTime{0,1} , deniedBy{0,1} , denialDateTime{0,1} , eventNote{0,100}			
Children	approvalDateTime, approvedBy, denialDateTime, deniedBy, eventNote, requestDateTime, requestedBy			
Instance	<pre><retirement discoverable="false" inherited="true" trackingLevel="InternalUseOnly"> <requestedBy userID="" userIDType="NetID">{1,1}</requestedBy> <requestDateTime>{1,1}</requestDateTime> <approvedBy userID="" userIDType="NetID">{0,1}</approvedBy> <approvalDateTime>{0,1}</approvalDateTime> <deniedBy userID="" userIDType="NetID">{0,1}</deniedBy> <denialDateTime>{0,1}</denialDateTime> <eventNote>{0,100}</eventNote> </retirement></pre>			
Attributes	QName	Type	Fixed	Use
	discoverable	xs:boolean	false	optional
	Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems			
	inherited	xs:boolean	true	optional
	Standard attribute to specify whether a given field's value should be inherited by child resources Inheritance is limited to the applicability of the field to the child resource (e.g., researchDomain may be inherited by a subproject but not an item)			
Source	trackingLevel	trackingLevelType	InternalUseOnly	optional
	Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)			

Element projectFields / projectProvenance / publication

Namespace	No namespace
Annotations	A record of a project's publication

Diagram



Properties	content: complex minOccurs: 0 maxOccurs: 1
------------	--

Model	requestedBy , requestDateTime , approvedBy{0,1} , approvalDateTime{0,1} , deniedBy{0,1} , denialDateTime{0,1} , eventNote{0,100}			
Children	approvalDateTime, approvedBy, denialDateTime, deniedBy, eventNote, requestDateTime, requestedBy			
Instance	<pre><publication discoverable="false" inherited="true" trackingLevel="InternalUseOnly"> <requestedBy userID="" userIDType="NetID">{1,1}</requestedBy> <requestDateTime>{1,1}</requestDateTime> <approvedBy userID="" userIDType="NetID">{0,1}</approvedBy> <approvalDateTime>{0,1}</approvalDateTime> <deniedBy userID="" userIDType="NetID">{0,1}</deniedBy> <denialDateTime>{0,1}</denialDateTime> <eventNote>{0,100}</eventNote> </publication></pre>			
Attributes	QName	Type	Fixed	Use
	discoverable	xs:boolean	false	optional
		Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems		
	inherited	xs:boolean	true	optional
		Standard attribute to specify whether a given field's value should be inherited by child resources Inheritance is limited to the applicability of the field to the child resource (e.g., researchDomain may be inherited by a subproject but not an item)		
Source	trackingLevel	trackingLevelType	InternalUseOnly	optional
		Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)		

Element projectFields / projectProvenance / status

Namespace	No namespace
Annotations	The current status of the project
Diagram	<pre> classDiagram statusType { status Type: Extension of 'statusType' Default: Pending } status { Type: Extension of 'statusType' Default: Pending } status < -- statusType status < -- Attributes Attributes { @ inherited Type: xs:boolean Default: false } Attributes { @ discoverable Type: xs:boolean Fixed: true } Attributes { @ trackingLevel Type: trackingLevelType Fixed: InternalUseOnly } </pre> <p>The current status of the project</p>
Type	extension of statusType

Type hierarchy	<ul style="list-style-type: none"> xs:string statusType 																																															
Properties	content: complex minOccurs: 1 maxOccurs: 1 default: Pending																																															
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>discoverable</td> <td>xs:boolean</td> <td>true</td> <td></td> <td>optional</td> <td></td> </tr> <tr> <td></td> <td colspan="5">Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems</td></tr> <tr> <td>inherited</td> <td>xs:boolean</td> <td></td> <td>false</td> <td>optional</td> <td></td> </tr> <tr> <td></td> <td colspan="5">Standard attribute to specify whether a given field's value should be inherited by child resources</td></tr> <tr> <td>trackingLevel</td> <td>trackingLevelType</td> <td>InternalUseOnly</td> <td></td> <td>optional</td> <td></td> </tr> <tr> <td></td> <td colspan="5">Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)</td></tr> </tbody> </table>						QName	Type	Fixed	Default	Use		discoverable	xs:boolean	true		optional			Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems					inherited	xs:boolean		false	optional			Standard attribute to specify whether a given field's value should be inherited by child resources					trackingLevel	trackingLevelType	InternalUseOnly		optional			Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)				
QName	Type	Fixed	Default	Use																																												
discoverable	xs:boolean	true		optional																																												
	Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems																																															
inherited	xs:boolean		false	optional																																												
	Standard attribute to specify whether a given field's value should be inherited by child resources																																															
trackingLevel	trackingLevelType	InternalUseOnly		optional																																												
	Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)																																															
Source	<pre><xs:element name="status" minOccurs="1" maxOccurs="1" default="Pending"> <xs:annotation> <xs:documentation xml:lang="en">The current status of the project</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="statusType"> <xs:attribute ref="inherited" default="false"/> <xs:attribute ref="discoverable" fixed="true"/> <xs:attribute ref="trackingLevel" fixed="InternalUseOnly"/> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element></pre>																																															

Element projectFields / projectProvenance / schemaVersion

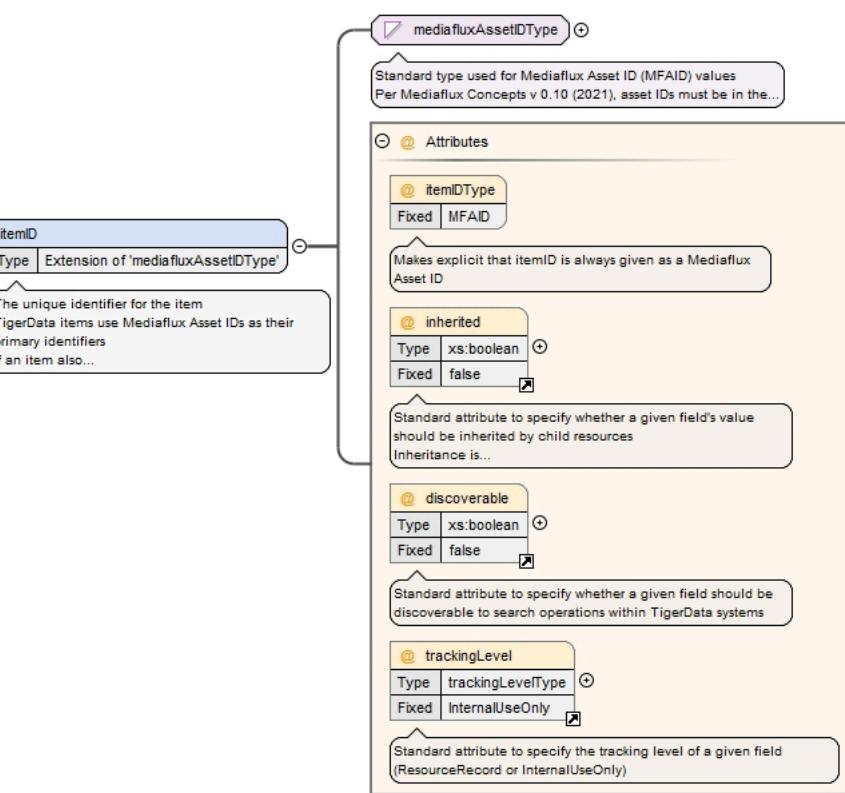
Namespace	No namespace
Annotations	The version of the TigerData Standard Metadata Schema used
Diagram	<pre> classDiagram class schemaVersion { <<Extension of 'limitedTextType'>> <<The version of the TigerData Standard Metadata Schema used>> } class limitedTextType { <<Specification for the practical limit applied to free text values>> } schemaVersion < -- limitedTextType limitedTextType < --@> Attributes Attributes < --@> inherited Attributes < --@> discoverable Attributes < --@> trackingLevel </pre> <p>The diagram illustrates the schemaVersion element as an extension of the limitedTextType. It includes three attributes: inherited, discoverable, and trackingLevel. The inherited attribute is of type xs:boolean with a default value of true. The discoverable attribute is of type xs:boolean with a fixed value of true. The trackingLevel attribute is of type trackingLevelType with a fixed value of InternalUseOnly.</p>
Type	extension of limitedTextType

Type hierarchy	<ul style="list-style-type: none"> xs:string limitedTextType 					
Properties	content: complex					
	minOccurs: 1					
	maxOccurs: 1					
Attributes	QName	Type	Fixed	Default	Use	
	discoverable	xs:boolean	true		optional	
	Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems					
	inherited	xs:boolean		true	optional	
	Standard attribute to specify whether a given field's value should be inherited by child resources					
	Inheritance is limited to the applicability of the field to the child resource (e.g., researchDomain may be inherited by a subproject but not an item)					
	trackingLevel	trackingLevelType	InternalUseOnly		optional	
	Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)					
Source	<pre><xs:element name="schemaVersion" maxOccurs="1" minOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The version of the TigerData Standard Metadata Schema used</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="limitedTextType"> <xs:attribute ref="inherited" default="true"/> <xs:attribute ref="discoverable" fixed="true"/> <xs:attribute ref="trackingLevel" fixed="InternalUseOnly"/> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element></pre>					

Element itemFields / itemID

Namespace	No namespace
Annotations	<p>The unique identifier for the item</p> <p>TigerData items use Mediaflux Asset IDs as their primary identifiers</p> <p>If an item also has any other IDs, they all should be included under alternativeIDs</p>

Diagram



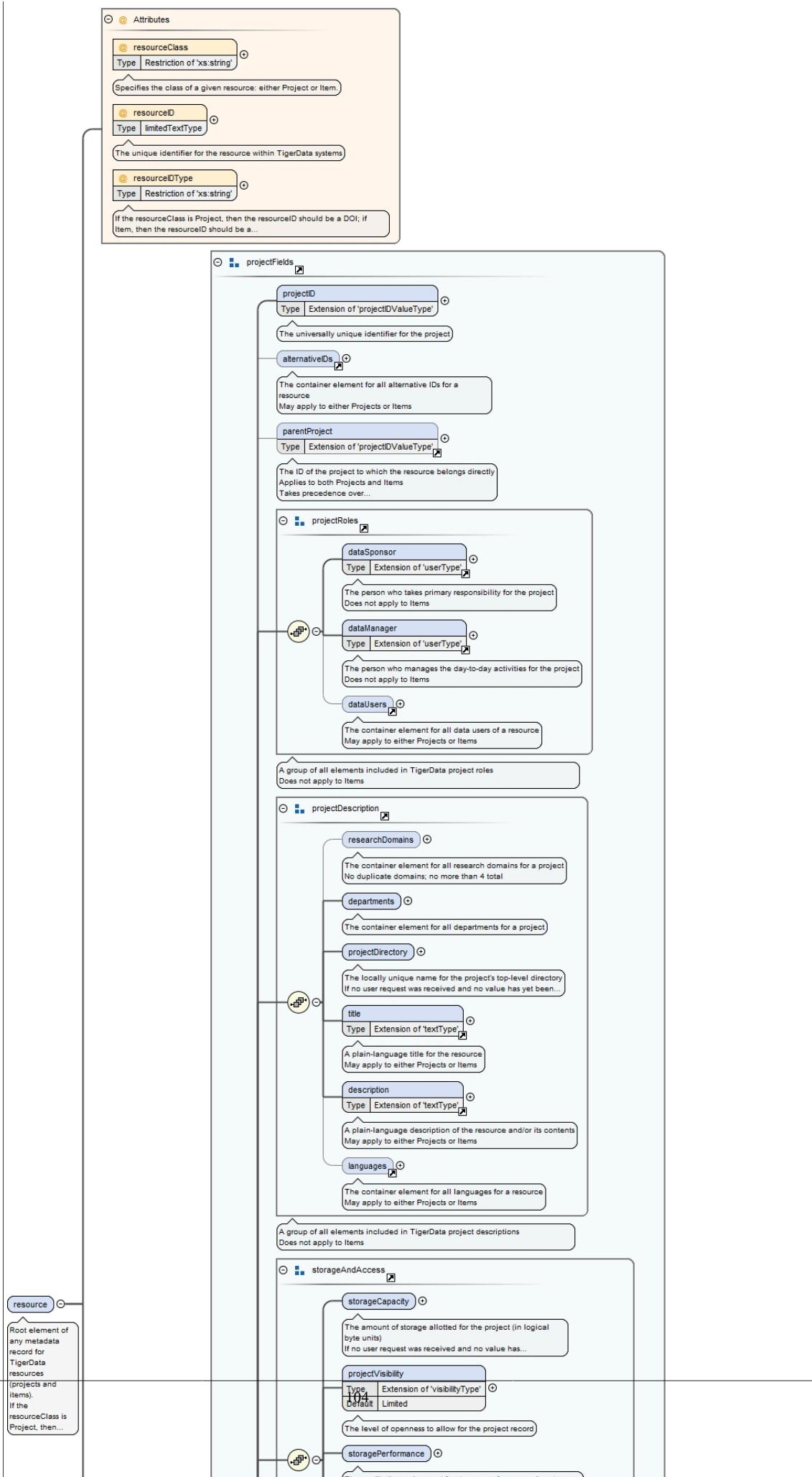
Type	extension of mediafluxAssetIDType																																							
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • mediafluxAssetIDType 																																							
Properties	<p>content: complex</p> <p>minOccurs: 1</p> <p>maxOccurs: 1</p>																																							
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>discoverable</td> <td>xs:boolean</td> <td>false</td> <td>optional</td> </tr> <tr> <td></td> <td colspan="3">Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems</td></tr> <tr> <td>inherited</td> <td>xs:boolean</td> <td>false</td> <td>optional</td> </tr> <tr> <td></td> <td colspan="3"> Standard attribute to specify whether a given field's value should be inherited by child resources Inheritance is limited to the applicability of the field to the child resource (e.g., researchDomain may be inherited by a subproject but not an item) </td></tr> <tr> <td>itemIDType</td> <td></td> <td>MFAID</td> <td>optional</td> </tr> <tr> <td></td> <td colspan="3">Makes explicit that itemID is always given as a Mediaflux Asset ID</td></tr> <tr> <td>trackingLevel</td> <td>trackingLevelType</td> <td>InternalUseOnly</td> <td>optional</td> </tr> <tr> <td></td> <td colspan="3">Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)</td></tr> </tbody> </table>				QName	Type	Fixed	Use	discoverable	xs:boolean	false	optional		Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems			inherited	xs:boolean	false	optional		Standard attribute to specify whether a given field's value should be inherited by child resources Inheritance is limited to the applicability of the field to the child resource (e.g., researchDomain may be inherited by a subproject but not an item)			itemIDType		MFAID	optional		Makes explicit that itemID is always given as a Mediaflux Asset ID			trackingLevel	trackingLevelType	InternalUseOnly	optional		Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)		
QName	Type	Fixed	Use																																					
discoverable	xs:boolean	false	optional																																					
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	Makes explicit that itemID is always given as a Mediaflux Asset ID																																							
trackingLevel	trackingLevelType	InternalUseOnly	optional																																					
	Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)																																							
Source	<pre> <xss:element name="itemID" minOccurs="1" maxOccurs="1"> <xss:annotation> <xss:documentation xml:lang="en">The unique identifier for the item</xss:documentation> <xss:documentation xml:lang="en">TigerData items use Mediaflux Asset IDs as their primary identifiers</xss:documentation> <xss:documentation xml:lang="en">If an item also has any other IDs, they all should be included under alternativeIDs</xss:documentation> </xss:annotation> <xss:complexType> <xss:simpleContent> <xss:extension base="mediafluxAssetIDType"> <xss:attribute name="itemIDType" fixed="MFAID"> <xss:annotation> </pre>																																							

```
<xs:documentation xml:lang="en">Makes explicit that itemID is always given as a  
Mediaflux Asset ID</xs:documentation>  
</xs:annotation>  
</xs:attribute>  
<xs:attribute ref="inherited" fixed="false"/>  
<xs:attribute ref="discoverable" fixed="false"/>  
<xs:attribute ref="trackingLevel" fixed="InternalUseOnly"/>  
</xs:extension>  
</xs:simpleContent>  
</xs:complexType>  
</xs:element>
```

Element resource

Namespace	No namespace
Annotations	Root element of any metadata record for TigerData resources (projects and items). If the resourceClass is Project, then the projectFields group must be used. If the resourceClass is Item, then the itemFields group must be used.

Diagram



Properties	content: complex
Model	((projectID , alternativeIDs{0,1} , parentProject{0,1} , dataSponsor , dataManager , dataUsers{0,1} , researchDomains{0,1} , departments , projectDirectory , title , description , languages{0,1} , storageCapacity , projectVisibility , storagePerformance , numberOffiles , hpc , projectPurpose , provisionalProject , grantFunded{0,1} , fundingReferences{0,1} , dates{0,1} , resourceType{0,1} , licenses{0,1} , dataUseAgreement{0,1} , duaReferences{0,1} , keywords{0,1} , relations{0,1} , extendedMetadataSchemas{0,1} , projectProvenance) (itemID , alternativeIDs{0,1} , parentProject , dataUsers{0,1} , title{0,1} , description{0,1} , resourceType{0,1} , keywords{0,1} , relations{0,1} , extendedMetadataSchemas{0,1} , languages{0,1} , licenses{0,1} , fundingReferences{0,1} , duaReferences{0,1} , dates{0,1}))
Children	alternativeIDs, dataManager, dataSponsor, dataUseAgreement, dataUsers, dates, departments, description, duaReferences, extendedMetadataSchemas, fundingReferences, grantFunded, hpc, itemID, keywords, languages, licenses, numberOffiles, parentProject, projectDirectory, projectID, projectProvenance, projectPurpose, projectVisibility, provisionalProject, relations, researchDomains, resourceType, storageCapacity, storagePerformance, title
Instance	<pre> <resource resourceClass="" resourceId="" resourceIDType=""> <projectID discoverable="true" inherited="false" projectIDType="DOI" trackingLevel="ResourceRecord">{1,1}</ projectID> <alternativeIDs discoverable="true" trackingLevel="ResourceRecord">{0,1}</alternativeIDs> <parentProject discoverable="true" inherited="true" projectIDType="DOI" trackingLevel="ResourceRecord">{0,1}</ parentProject> <dataSponsor discoverable="true" inherited="true" trackingLevel="ResourceRecord" userID="" userIDType="NetID">{1,1}</ dataSponsor> <dataManager discoverable="true" inherited="true" trackingLevel="ResourceRecord" userID="" userIDType="NetID">{1,1}</ dataManager> <dataUsers trackingLevel="ResourceRecord">{0,1}</dataUsers> <researchDomains discoverable="true" trackingLevel="ResourceRecord">{0,1}</researchDomains> <departments discoverable="true" trackingLevel="ResourceRecord">{1,1}</departments> <projectDirectory approved="false" discoverable="false" inherited="false" trackingLevel="InternalUseOnly">{1,1}</ projectDirectory> <title discoverable="true" inherited="false" xml:lang="en" trackingLevel="ResourceRecord">{1,1}</ title> <description discoverable="true" inherited="false" xml:lang="en" trackingLevel="ResourceRecord">{1,1}</ description> <languages discoverable="true" trackingLevel="ResourceRecord">{0,1}</languages> <storageCapacity approved="false" discoverable="false" inherited="false" trackingLevel="InternalUseOnly">{1,1}</ storageCapacity> <projectVisibility discoverable="false" inherited="true" trackingLevel="InternalUseOnly">{1,1}</ projectVisibility> <storagePerformance approved="false" discoverable="false" inherited="true" trackingLevel="InternalUseOnly">{1,1}</ storagePerformance> <numberOffiles discoverable="false" inherited="false" trackingLevel="InternalUseOnly">{1,1}</ numberOffiles> <hpc discoverable="false" inherited="true" trackingLevel="InternalUseOnly">{1,1}</hpc> <projectPurpose discoverable="true" inherited="true" trackingLevel="InternalUseOnly">{1,1}</ projectPurpose> <provisionalProject discoverable="true" inherited="true" trackingLevel="InternalUseOnly">{1,1}</ provisionalProject> <grantFunded discoverable="false" inherited="true" trackingLevel="InternalUseOnly">{0,1}</ grantFunded> <fundingReferences discoverable="true" trackingLevel="ResourceRecord">{0,1}</fundingReferences> <dates discoverable="true" trackingLevel="ResourceRecord">{0,1}</dates> <resourceType discoverable="true" inherited="false" resourceTypeGeneral="" trackingLevel="ResourceRecord">{0,1}</ resourceType> <licenses discoverable="true" trackingLevel="ResourceRecord">{0,1}</licenses> <dataUseAgreement discoverable="false" inherited="true" trackingLevel="InternalUseOnly">{0,1}</ dataUseAgreement> <duaReferences discoverable="true" trackingLevel="ResourceRecord">{0,1}</duaReferences> <keywords discoverable="true" trackingLevel="ResourceRecord">{0,1}</keywords> <relations discoverable="true" trackingLevel="ResourceRecord">{0,1}</relations> <extendedMetadataSchemas discoverable="false" trackingLevel="InternalUseOnly">{0,1}</ extendedMetadataSchemas> <projectProvenance>{1,1}</projectProvenance> <itemID discoverable="false" inherited="false" itemIDType="MFAID" trackingLevel="InternalUseOnly">{1,1}</ itemID> <alternativeIDs discoverable="true" trackingLevel="ResourceRecord">{0,1}</alternativeIDs> <parentProject discoverable="true" inherited="true" projectIDType="DOI" trackingLevel="ResourceRecord">{1,1}</ parentProject> <dataUsers trackingLevel="ResourceRecord">{0,1}</dataUsers> <title discoverable="true" inherited="false" xml:lang="en" trackingLevel="ResourceRecord">{0,1}</ title> <description discoverable="true" inherited="false" xml:lang="en" trackingLevel="ResourceRecord">{0,1}</ description> <resourceType discoverable="true" inherited="false" resourceTypeGeneral="" trackingLevel="ResourceRecord">{0,1}</ resourceType> <keywords discoverable="true" trackingLevel="ResourceRecord">{0,1}</keywords> <relations discoverable="true" trackingLevel="ResourceRecord">{0,1}</relations> <extendedMetadataSchemas discoverable="false" trackingLevel="InternalUseOnly">{0,1}</ extendedMetadataSchemas> <languages discoverable="true" trackingLevel="ResourceRecord">{0,1}</languages> <licenses discoverable="true" trackingLevel="ResourceRecord">{0,1}</licenses> <fundingReferences discoverable="true" trackingLevel="ResourceRecord">{0,1}</fundingReferences></pre>

	<pre><duaReferences discoverable="true" trackingLevel="ResourceRecord">{0,1}</duaReferences> <dates discoverable="true" trackingLevel="ResourceRecord">{0,1}</dates> </resource></pre>			
Attributes	QName	Type	Use	
	resourceClass	restriction of xs:string	required	
	Specifies the class of a given resource: either Project or Item.			
	resourceID	limitedTextType	required	
	The unique identifier for the resource within TigerData systems			
	resourceIDType	restriction of xs:string	required	
	If the resourceClass is Project, then the resourceID should be a DOI; if Item, then the resourceID should be a Mediaflux AssetID (MFAID)			
Source	<pre><xss:element name="resource"> <xss:annotation> <xss:documentation xml:lang="en">Root element of any metadata record for TigerData resources (projects and items).</xss:documentation> <xss:documentation xml:lang="en">If the resourceClass is Project, then the projectFields group must be used. If the resourceClass is Item, then the itemFields group must be used.</xss:documentation> </xss:annotation> <xss:complexType> <xss:sequence> <xss:choice minOccurs="1" maxOccurs="1"> <xss:group ref="projectFields"/> <xss:group ref="itemFields"/> </xss:choice> </xss:sequence> <xss:attribute name="resourceClass" use="required"> <xss:annotation> <xss:documentation xml:lang="en">Specifies the class of a given resource: either Project or Item.</xss:documentation> </xss:annotation> <xss:simpleType> <xss:restriction base="xs:string"> <xss:enumeration value="Project" xml:lang="en"/> <xss:enumeration value="Item" xml:lang="en"/> </xss:restriction> </xss:simpleType> </xss:attribute> <xss:attribute name="resourceID" type="limitedTextType" use="required"> <xss:annotation> <xss:documentation xml:lang="en">The unique identifier for the resource within TigerData systems</xss:documentation> </xss:annotation> </xss:attribute> <xss:attribute name="resourceIDType" use="required"> <xss:annotation> <xss:documentation xml:lang="en">If the resourceClass is Project, then the resourceID should be a DOI; if Item, then the resourceID should be a Mediaflux AssetID (MFAID)</xss:documentation> </xss:annotation> <xss:simpleType> <xss:restriction base="xs:string"> <xss:enumeration value="DOI"/> <xss:enumeration value="MFAID"/> </xss:restriction> </xss:simpleType> </xss:attribute> </xss:complexType> </xss:element></pre>			

Simple Type(s)

Simple Type doiType

Namespace	No namespace
Annotations	<p>Standard type used for DOI values (just the prefix and suffix; not a full URL)</p> <p>DOI is short for Digital Object Identifier</p> <p>Applies a pattern aligned with ISO 26324:2022, allowing any suffix that doesn't have whitespace and doesn't end with unexpected punctuation</p> <p>https://www.iso.org/standard/81599.html</p>

Diagram	
Type	restriction of xs:string
Facets	pattern $10\.\d{4,9}\//[\s]+[^-_!_:*]\//[\s]$
Used by	Complex Type projectIDValueType
Source	<pre><xs:simpleType name="doiType"> <xs:annotation> <xs:documentation xml:lang="en">Standard type used for DOI values (just the prefix and suffix; not a full URL)</xs:documentation> <xs:documentation xml:lang="en">DOI is short for Digital Object Identifier</xs:documentation> <xs:documentation xml:lang="en">Applies a pattern aligned with ISO 26324:2022, allowing any suffix that doesn't have whitespace and doesn't end with unexpected punctuation</xs:documentation> <xs:documentation>https://www.iso.org/standard/81599.html</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:pattern value="10\.\d{4,9}\//[\s]+[^-_!_:*]\//[\s]" /> </xs:restriction> </xs:simpleType></pre>

Simple Type netIDType

Namespace	No namespace
Annotations	<p>Standard type used for values meant to be a Princeton NetID</p> <p>Applies a simple pattern true for all Princeton NetIDs</p> <p>Validation of user accounts and permissions happens separate from metadata validation</p>
Diagram	
Type	restriction of xs:string
Facets	pattern $[a-z0-9]\{2,8\}$
Used by	Attribute userType/@userID
Source	<pre><xs:simpleType name="netIDType"> <xs:annotation> <xs:documentation xml:lang="en">Standard type used for values meant to be a Princeton NetID</xs:documentation> <xs:documentation xml:lang="en">Applies a simple pattern true for all Princeton NetIDs</xs:documentation> <xs:documentation xml:lang="en">Validation of user accounts and permissions happens separate from metadata validation</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:pattern value="[a-z0-9]\{2,8\}" /> </xs:restriction> </xs:simpleType></pre>

Simple Type limitedTextType

Namespace	No namespace
Annotations	Specification for the practical limit applied to free text values
Diagram	
Type	restriction of xs:string
Facets	minLength 1

	maxLength	1000
Used by	Complex Type	textType
	Elements	alternativeID, projectFields/projectProvenance/schemaVersion, supplementalMetadata/extendedMetadataSchemas/extendedMetadataSchema, supplementalMetadata/relations/relation
	Attributes	alternativeID/@alternativeIDType, otherDate/@dateInformation, resource/@resourceID, supplementalMetadata/keywords/keyword/@classificationCode, supplementalMetadata/keywords/keyword/@subjectScheme, supplementalMetadata/relations/relation/@relatedMetadataScheme, supplementalMetadata/relations/relation/@relatedMetadataSchemaType
Source	<pre><xs:simpleType name="limitedTextType"> <xs:annotation> <xs:documentation xml:lang="en">Specification for the practical limit applied to free text values</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="1000"/> </xs:restriction> </xs:simpleType></pre>	

Simple Type pathSafeType

Namespace	No namespace
Annotations	<p>Primitive type used within pathType</p> <p>Restricts to alphanumeric characters, underscore, forward and back slashes, and minus-dash</p> <p>The typical value is expected to start "/tigerdata/" and follow with a custom directory of at least 3 characters, hence the minimum of 14 characters</p> <p>The ordinary practical limit of 1000 characters for a text field applies here, but system limitations on path length may also apply</p>
Diagram	<pre> classDiagram class pathSafeType { <<Primitive type used within pathType<> <<Restricts to alphanumeric characters, underscore, forward and back slashes, and minus-dash<> <<The typical value is expected to start "/tigerdata/" and follow with a custom directory of at least 3 characters, hence the minimum of 14 characters<> <<The ordinary practical limit of 1000 characters for a text field applies here, but system limitations on path length may also apply<> } class xs_string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } pathSafeType < -- xs_string </pre>
Type	restriction of xs:string
Facets	pattern [\w\\/-]{14,1000}
Used by	Complex Type pathType
Source	<pre><xs:simpleType name="pathSafeType"> <xs:annotation> <xs:documentation xml:lang="en">Primitive type used within pathType</xs:documentation> <xs:documentation xml:lang="en">Restricts to alphanumeric characters, underscore, forward and back slashes, and minus-dash</xs:documentation> <xs:documentation xml:lang="en">The typical value is expected to start "/tigerdata/" and follow with a custom directory of at least 3 characters, hence the minimum of 14 characters</xs:documentation> <xs:documentation xml:lang="en">The ordinary practical limit of 1000 characters for a text field applies here, but system limitations on path length may also apply</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:pattern value="[\w\\/-]{14,1000}"/> </xs:restriction> </xs:simpleType></pre>

Simple Type byteUnitType

Namespace	No namespace
Annotations	Standard type that defines the controlled vocabulary for byte units in storageQuantityType
Diagram	<pre> classDiagram class byteUnitType { <<Standard type that defines the controlled vocabulary for byte units in storageQuantityType<> } class xs_string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } byteUnitType < -- xs_string </pre>
Type	restriction of xs:string

Facets	enumeration	B	Bytes (B)
	enumeration	KB	Kilobytes (KB)
	enumeration	MB	Megabytes (MB)
	enumeration	GB	Gigabytes (GB)
	enumeration	TB	Terabytes (TB)
	enumeration	PB	Petabytes (PB)
Used by	Element	storageQuantityType/unit	
Source	<pre><xs:simpleType name="byteUnitType"> <xs:annotation> <xs:documentation xml:lang="en">Standard type that defines the controlled vocabulary for byte units in storageQuantityType</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:enumeration value="B" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">Bytes (B)</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="KB" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">Kilobytes (KB)</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="MB" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">Megabytes (MB)</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="GB" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">Gigabytes (GB)</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="TB" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">Terabytes (TB)</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="PB" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">Petabytes (PB)</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType></pre>		

Simple Type dateOrRangeType

Namespace	No namespace		
Annotations	<p>Standard type used for values that may be either dates or date ranges</p> <p>Applies a pattern aligned with RKMS-ISO8601</p> <p>https://www.ukoln.ac.uk/metadata/dcmi/collection-RKMS-ISO8601/</p>		
Diagram	<pre> classDiagram dateOrRangeType < -- xs:string dateOrRangeType < -- xs:dateTime dateOrRangeType < -- xs:date dateOrRangeType < -- xs:time </pre> <p>Standard type used for values that may be either dates or date ranges Applies a pattern aligned with...</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>		
Type	restriction of xs:string		
Facets	<p>pattern</p> $\d{4}-(0[1-9] 1[0-2])-\\(0[1-9] 1[2][0-9] 3[01])\\((\\d{4}-(0[1-9] 1[0-2])-\\(0[1-9] 1[2][0-9] 3[01]))?$		
Used by	Element	otherDate	
Source	<pre><xs:simpleType name="dateOrRangeType"> <xs:annotation> <xs:documentation xml:lang="en">Standard type used for values that may be either dates or date ranges</xs:documentation> </xs:annotation></pre>		

```

<xs:documentation xml:lang="en">Applies a pattern aligned with RKMS-ISO8601</xs:documentation>
<xs:documentation>https://www.ukoln.ac.uk/metadata/dcmi/collection-RKMS-ISO8601/</xs:documentation>
</xs:annotation>
<xs:restriction base="xs:string">
  <xs:pattern value="\d{4}-(0[1-9]|1[0-2])-(0[1-9]|1[2][0-9]|3[01])(\d{4}-(0[1-9]|1[0-2])-(
  (0[1-9]|1[2][0-9]|3[01]))?" />
</xs:restriction>
</xs:simpleType>

```

Simple Type trackingLevelType

Namespace	No namespace							
Annotations	Standard type that defines the controlled vocabulary for the trackingLevel attribute							
Diagram	<pre> classDiagram class trackingLevelType { <<Standard type that defines the controlled vocabulary for the trackingLevel attribute>> } class xsString { <<Built-in primitive type. The string datatype represents character strings in XML.>> } trackingLevelType < -- xsString </pre>	<p>Standard type that defines the controlled vocabulary for the trackingLevel attribute</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>						
Type								
Facets	<table> <tr> <td>enumeration</td> <td>ResourceRecord</td> <td>The field should be included in any long-term or crosswalked records for the resource</td> </tr> <tr> <td>enumeration</td> <td>InternalUseOnly</td> <td>The field is intended for internal (Princeton) use only</td> </tr> </table>	enumeration	ResourceRecord	The field should be included in any long-term or crosswalked records for the resource	enumeration	InternalUseOnly	The field is intended for internal (Princeton) use only	
enumeration	ResourceRecord	The field should be included in any long-term or crosswalked records for the resource						
enumeration	InternalUseOnly	The field is intended for internal (Princeton) use only						
Used by	Attribute	@trackingLevel						
Source	<pre> <xs:simpleType name="trackingLevelType"> <xs:annotation> <xs:documentation xml:lang="en">Standard type that defines the controlled vocabulary for the trackingLevel attribute</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:enumeration value="ResourceRecord"> <xs:annotation> <xs:documentation xml:lang="en">The field should be included in any long-term or crosswalked records for the resource</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="InternalUseOnly"> <xs:annotation> <xs:documentation xml:lang="en">The field is intended for internal (Princeton) use only</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType> </pre>							

Simple Type resourceTypeGeneralType

Namespace	No namespace													
Annotations	Standard type that defines the controlled vocabulary for resourceTypeGeneral values Applies to both Projects and Items Derived from the DataCite controlled vocabulary for resourceTypeGeneral (v4.5+) https://datacite-metadata-schema.readthedocs.io/en/4.5/appendices/appendix-1/resourceTypeGeneral/													
Diagram	<pre> classDiagram class resourceTypeGeneralType { <<Standard type that defines the controlled vocabulary for resourceTypeGeneral values Applies to both Projects and...>> } class xsString { <<Built-in primitive type. The string datatype represents character strings in XML.>> } resourceTypeGeneralType < -- xsString </pre>	<p>Standard type that defines the controlled vocabulary for resourceTypeGeneral values</p> <p>Applies to both Projects and...</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>												
Type														
Facets	<table> <tr> <td>enumeration</td> <td>Audiovisual</td> <td>A series of visual representations imparting an impression of motion when shown in succession. May or may not include sound.</td> </tr> <tr> <td>enumeration</td> <td>Book</td> <td>A medium for recording information in the form of writing or images, typically composed of many pages bound together and protected by a cover.</td> </tr> <tr> <td>enumeration</td> <td>BookChapter</td> <td>One of the main divisions of a book.</td> </tr> <tr> <td>enumeration</td> <td>Collection</td> <td>An aggregation of resources, which may encompass collections of one resourceType as well as</td> </tr> </table>	enumeration	Audiovisual	A series of visual representations imparting an impression of motion when shown in succession. May or may not include sound.	enumeration	Book	A medium for recording information in the form of writing or images, typically composed of many pages bound together and protected by a cover.	enumeration	BookChapter	One of the main divisions of a book.	enumeration	Collection	An aggregation of resources, which may encompass collections of one resourceType as well as	
enumeration	Audiovisual	A series of visual representations imparting an impression of motion when shown in succession. May or may not include sound.												
enumeration	Book	A medium for recording information in the form of writing or images, typically composed of many pages bound together and protected by a cover.												
enumeration	BookChapter	One of the main divisions of a book.												
enumeration	Collection	An aggregation of resources, which may encompass collections of one resourceType as well as												

		those of mixed types. A collection is described as a group; its parts may also be separately described.
enumeration	ComputationalNotebook	A virtual notebook environment used for literate programming.
enumeration	ConferencePaper	Article that is written with the goal of being accepted to a conference.
enumeration	ConferenceProceeding	Collection of academic papers published in the context of an academic conference.
enumeration	DataPaper	A factual and objective publication with a focused intent to identify and describe specific data, sets of data, or data collections to facilitate discoverability.
enumeration	Dataset	Data encoded in a defined structure.
enumeration	Dissertation	A written essay, treatise, or thesis, especially one written by a candidate for the degree of Doctor of Philosophy.
enumeration	Event	A non-persistent, time-based occurrence.
enumeration	Image	A visual representation other than text.
enumeration	Instrument	A device, tool or apparatus used to obtain, measure and/or analyze data.
enumeration	InteractiveResource	A resource requiring interaction from the user to be understood, executed, or experienced.
enumeration	Journal	A scholarly publication consisting of articles that is published regularly throughout the year.
enumeration	JournalArticle	A written composition on a topic of interest, which forms a separate part of a journal.
enumeration	Model	An abstract, conceptual, graphical, mathematical or visualization model that represents empirical objects, phenomena, or physical processes.
enumeration	PeerReview	Evaluation of scientific, academic, or professional work by others working in the same field.
enumeration	PhysicalObject	A physical object or substance.
enumeration	Preprint	A version of a scholarly or scientific paper that precedes formal peer review and publication in a peer-reviewed scholarly or scientific journal.
enumeration	Project	A planned endeavor or activity, frequently collaborative, intended to achieve a particular aim using allocated resources such as budget, time, and expertise.
enumeration	Report	A document that presents information in an organized format for a specific audience and purpose.
enumeration	Service	An organized system of apparatus, appliances, staff, etc., for supplying some function(s) required by end users.
enumeration	Software	A computer program other than a computational notebook, in either source code (text) or compiled form. Use this type for general software components supporting scholarly research. Use the "ComputationalNotebook" value for virtual notebooks.
enumeration	Sound	A resource primarily intended to be heard.
enumeration	Standard	Something established by authority, custom, or general consent as a model, example, or point of reference.
enumeration	StudyRegistration	A detailed, time-stamped description of a research plan, often openly shared in a registry or published in a journal before the study is conducted to lend accountability and transparency in the hypothesis generating and testing process.
enumeration	Text	A resource consisting primarily of words for reading that is not covered by any other textual resource type in this list.
enumeration	Workflow	A structured series of steps which can be executed to produce a final outcome, allowing

		users a means to specify and enact their work in a more reproducible manner.
	enumeration	Other
		A type of resource not otherwise described by defined types.
Used by	Attribute	@resourceTypeGeneral
Source	<pre> <xs:simpleType name="resourceTypeGeneralType"> <xs:annotation> <xs:documentation xml:lang="en">Standard type that defines the controlled vocabulary for resourceTypeGeneral values</xs:documentation> <xs:documentation xml:lang="en">Applies to both Projects and Items</xs:documentation> <xs:documentation xml:lang="en">Derived from the DataCite controlled vocabulary for resourceTypeGeneral (v4.5+)</xs:documentation> <xs:documentation>https://datacite-metadata-schema.readthedocs.io/en/4.5/appendices/appendix-1/resourceTypeGeneral/</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:enumeration value="Audiovisual" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">A series of visual representations imparting an impression of motion when shown in succession. May or may not include sound.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="Book" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">A medium for recording information in the form of writing or images, typically composed of many pages bound together and protected by a cover.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="BookChapter" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">One of the main divisions of a book.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="Collection" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">An aggregation of resources, which may encompass collections of one resourceType as well as those of mixed types. A collection is described as a group; its parts may also be separately described.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="ComputationalNotebook" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">A virtual notebook environment used for literate programming.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="ConferencePaper" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">Article that is written with the goal of being accepted to a conference.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="ConferenceProceeding" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">Collection of academic papers published in the context of an academic conference.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="DataPaper" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">A factual and objective publication with a focused intent to identify and describe specific data, sets of data, or data collections to facilitate discoverability.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="Dataset" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">Data encoded in a defined structure.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="Dissertation" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">A written essay, treatise, or thesis, especially one written by a candidate for the degree of Doctor of Philosophy.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="Event" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">A non-persistent, time-based occurrence.</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType> </pre>	

```

        </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="Image" xml:lang="en">
        <xs:annotation>
            <xs:documentation xml:lang="en">A visual representation other than text.</xs:documentation>
        </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="Instrument" xml:lang="en">
        <xs:annotation>
            <xs:documentation xml:lang="en">A device, tool or apparatus used to obtain, measure and/or analyze data.</xs:documentation>
        </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="InteractiveResource" xml:lang="en">
        <xs:annotation>
            <xs:documentation xml:lang="en">A resource requiring interaction from the user to be understood, executed, or experienced.</xs:documentation>
        </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="Journal" xml:lang="en">
        <xs:annotation>
            <xs:documentation xml:lang="en">A scholarly publication consisting of articles that is published regularly throughout the year.</xs:documentation>
        </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="JournalArticle" xml:lang="en">
        <xs:annotation>
            <xs:documentation xml:lang="en">A written composition on a topic of interest, which forms a separate part of a journal.</xs:documentation>
        </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="Model" xml:lang="en">
        <xs:annotation>
            <xs:documentation xml:lang="en">An abstract, conceptual, graphical, mathematical or visualization model that represents empirical objects, phenomena, or physical processes.</xs:documentation>
        </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="PeerReview" xml:lang="en">
        <xs:annotation>
            <xs:documentation xml:lang="en">Evaluation of scientific, academic, or professional work by others working in the same field.</xs:documentation>
        </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="PhysicalObject" xml:lang="en">
        <xs:annotation>
            <xs:documentation xml:lang="en">A physical object or substance.</xs:documentation>
        </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="Preprint" xml:lang="en">
        <xs:annotation>
            <xs:documentation xml:lang="en">A version of a scholarly or scientific paper that precedes formal peer review and publication in a peer-reviewed scholarly or scientific journal.</xs:documentation>
        </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="Project" xml:lang="en">
        <xs:annotation>
            <xs:documentation xml:lang="en">A planned endeavor or activity, frequently collaborative, intended to achieve a particular aim using allocated resources such as budget, time, and expertise.</xs:documentation>
        </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="Report" xml:lang="en">
        <xs:annotation>
            <xs:documentation xml:lang="en">A document that presents information in an organized format for a specific audience and purpose.</xs:documentation>
        </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="Service" xml:lang="en">
        <xs:annotation>
            <xs:documentation xml:lang="en">An organized system of apparatus, appliances, staff, etc., for supplying some function(s) required by end users.</xs:documentation>
        </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="Software" xml:lang="en">
        <xs:annotation>
            <xs:documentation xml:lang="en">A computer program other than a computational notebook, in either source code (text) or compiled form. Use this type for general software components supporting scholarly research. Use the "ComputationalNotebook" value for virtual notebooks.</xs:documentation>
        </xs:annotation>
    </xs:enumeration>

```

```

<xs:enumeration value="Sound" xml:lang="en">
    <xs:annotation>
        <xs:documentation xml:lang="en">A resource primarily intended to be heard.</xs:documentation>
    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="Standard" xml:lang="en">
    <xs:annotation>
        <xs:documentation xml:lang="en">Something established by authority, custom, or general consent as a model, example, or point of reference.</xs:documentation>
    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="StudyRegistration" xml:lang="en">
    <xs:annotation>
        <xs:documentation xml:lang="en">A detailed, time-stamped description of a research plan, often openly shared in a registry or published in a journal before the study is conducted to lend accountability and transparency in the hypothesis generating and testing process.</xs:documentation>
    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="Text" xml:lang="en">
    <xs:annotation>
        <xs:documentation xml:lang="en">A resource consisting primarily of words for reading that is not covered by any other textual resource type in this list.</xs:documentation>
    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="Workflow" xml:lang="en">
    <xs:annotation>
        <xs:documentation xml:lang="en">A structured series of steps which can be executed to produce a final outcome, allowing users a means to specify and enact their work in a more reproducible manner.</xs:documentation>
    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="Other" xml:lang="en">
    <xs:annotation>
        <xs:documentation xml:lang="en">A type of resource not otherwise described by defined types.</xs:documentation>
    </xs:annotation>
</xs:enumeration>
</xs:restriction>
</xs:simpleType>

```

Simple Type licenseURIType

Namespace	No namespace																		
Annotations	Standard type that defines the controlled vocabulary for the licenseURI attribute																		
Diagram	<p>Standard type that defines the controlled vocabulary for the licenseURI attribute</p> <p>Built-in primitive type. The anyURI datatype represents a Uniform Resource Identifier Reference (URI).</p>																		
Type	restriction of xs:anyURI																		
Facets	<table border="1"> <tbody> <tr> <td>enumeration</td> <td>https://creativecommons.org/publicdomain/zero/1.0/</td> <td>Creative Commons Public Domain Dedication 1.0 Universal CC0 1.0</td> </tr> <tr> <td>enumeration</td> <td>https://creativecommons.org/licenses/by/4.0/</td> <td>Creative Commons Attribution 4.0 International CC BY 4.0</td> </tr> <tr> <td>enumeration</td> <td>https://creativecommons.org/licenses/by-sa/4.0/</td> <td>Creative Commons Attribution-Sharealike 4.0 International CC BY-SA 4.0</td> </tr> <tr> <td>enumeration</td> <td>https://creativecommons.org/licenses/by-nc/4.0/</td> <td>Creative Commons Attribution-Noncommercial 4.0 International CC BY-NC 4.0</td> </tr> <tr> <td>enumeration</td> <td>https://creativecommons.org/licenses/by-nc-sa/4.0/</td> <td>Creative Commons Attribution-Noncommercial-Sharealike 4.0 International CC BY-NC-SA 4.0</td> </tr> <tr> <td>enumeration</td> <td>https://creativecommons.org/licenses/by-nd/4.0/</td> <td>Creative Commons Attribution-Nodevatives 4.0 International CC BY-ND 4.0</td> </tr> </tbody> </table>	enumeration	https://creativecommons.org/publicdomain/zero/1.0/	Creative Commons Public Domain Dedication 1.0 Universal CC0 1.0	enumeration	https://creativecommons.org/licenses/by/4.0/	Creative Commons Attribution 4.0 International CC BY 4.0	enumeration	https://creativecommons.org/licenses/by-sa/4.0/	Creative Commons Attribution-Sharealike 4.0 International CC BY-SA 4.0	enumeration	https://creativecommons.org/licenses/by-nc/4.0/	Creative Commons Attribution-Noncommercial 4.0 International CC BY-NC 4.0	enumeration	https://creativecommons.org/licenses/by-nc-sa/4.0/	Creative Commons Attribution-Noncommercial-Sharealike 4.0 International CC BY-NC-SA 4.0	enumeration	https://creativecommons.org/licenses/by-nd/4.0/	Creative Commons Attribution-Nodevatives 4.0 International CC BY-ND 4.0
enumeration	https://creativecommons.org/publicdomain/zero/1.0/	Creative Commons Public Domain Dedication 1.0 Universal CC0 1.0																	
enumeration	https://creativecommons.org/licenses/by/4.0/	Creative Commons Attribution 4.0 International CC BY 4.0																	
enumeration	https://creativecommons.org/licenses/by-sa/4.0/	Creative Commons Attribution-Sharealike 4.0 International CC BY-SA 4.0																	
enumeration	https://creativecommons.org/licenses/by-nc/4.0/	Creative Commons Attribution-Noncommercial 4.0 International CC BY-NC 4.0																	
enumeration	https://creativecommons.org/licenses/by-nc-sa/4.0/	Creative Commons Attribution-Noncommercial-Sharealike 4.0 International CC BY-NC-SA 4.0																	
enumeration	https://creativecommons.org/licenses/by-nd/4.0/	Creative Commons Attribution-Nodevatives 4.0 International CC BY-ND 4.0																	

	enumeration	https://creativecommons.org/licenses/by-nc-nd/4.0/	Creative Commons Attribution-Noncommercial-NoDerivatives 4.0 International CC BY-NC-ND 4.0
	enumeration	https://opensource.org/license/MIT	The MIT License MIT
Used by	Attribute	license/@licenseURI	
Source	<pre> <xs:simpleType name="licenseURIType"> <xs:annotation> <xs:documentation xml:lang="en">Standard type that defines the controlled vocabulary for the licenseURI attribute</xs:documentation> </xs:annotation> <xs:restriction base="xs:anyURI"> <xs:enumeration value="https://creativecommons.org/publicdomain/zero/1.0/"> <xs:annotation> <xs:documentation xml:lang="en">Creative Commons Public Domain Dedication 1.0 Universal</ xs:documentation> <xs:documentation xml:lang="en">CC0 1.0.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="https://creativecommons.org/licenses/by/4.0/"> <xs:annotation> <xs:documentation xml:lang="en">Creative Commons Attribution 4.0 International</ xs:documentation> <xs:documentation xml:lang="en">CC BY 4.0</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="https://creativecommons.org/licenses/by-sa/4.0/"> <xs:annotation> <xs:documentation xml:lang="en">Creative Commons Attribution-ShareAlike 4.0 International</ xs:documentation> <xs:documentation xml:lang="en">CC BY-SA 4.0</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="https://creativecommons.org/licenses/by-nc/4.0/"> <xs:annotation> <xs:documentation xml:lang="en">Creative Commons Attribution-NonCommercial 4.0 International</xs:documentation> <xs:documentation xml:lang="en">CC BY-NC 4.0</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="https://creativecommons.org/licenses/by-nc-sa/4.0/"> <xs:annotation> <xs:documentation xml:lang="en">Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International</xs:documentation> <xs:documentation xml:lang="en">CC BY-NC-SA 4.0</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="https://creativecommons.org/licenses/by-nd/4.0/"> <xs:annotation> <xs:documentation xml:lang="en">Creative Commons Attribution-NoDerivatives 4.0 International</xs:documentation> <xs:documentation xml:lang="en">CC BY-ND 4.0</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="https://creativecommons.org/licenses/by-nc-nd/4.0/"> <xs:annotation> <xs:documentation xml:lang="en">Creative Commons Attribution-NonCommercial-NoDerivatives 4.0 International</xs:documentation> <xs:documentation xml:lang="en">CC BY-NC-ND 4.0</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="https://opensource.org/license/MIT"> <xs:annotation> <xs:documentation xml:lang="en">The MIT License</xs:documentation> <xs:documentation xml:lang="en">MIT</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType></pre>		

Simple Type licenseIDType

Namespace	No namespace
Annotations	Standard type that defines the controlled vocabulary for the licenseID attribute

Diagram	<p>Standard type that defines the controlled vocabulary for the licenseID attribute</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>		
Type	restriction of xs:string		
Facets	enumeration	CC0 1.0	Creative Commons Public Domain Dedication 1.0 Universal https://creativecommons.org/publicdomain/zero/1.0/
	enumeration	CC BY 4.0	Creative Commons Attribution 4.0 International https://creativecommons.org/licenses/by/4.0/
	enumeration	CC BY-SA 4.0	Creative Commons Attribution-Sharealike 4.0 International https://creativecommons.org/licenses/by-sa/4.0/
	enumeration	CC BY-NC 4.0	Creative Commons Attribution-Noncommercial 4.0 International https://creativecommons.org/licenses/by-nc/4.0/
	enumeration	CC BY-NC-SA 4.0	Creative Commons Attribution-Noncommercial-Sharealike 4.0 International https://creativecommons.org/licenses/by-nc-sa/4.0/
	enumeration	CC BY-ND 4.0	Creative Commons Attribution-Noderivatives 4.0 International https://creativecommons.org/licenses/by-nd/4.0/
	enumeration	CC BY-NC-ND 4.0	Creative Commons Attribution-Noncommercial-Noderivatives 4.0 International https://creativecommons.org/licenses/by-nc-nd/4.0/
	enumeration	MIT	The MIT License https://opensource.org/license/MIT
	Used by	Attribute	license/@licenseID
Source	<pre> <xs:simpleType name="licenseIDType"> <xs:annotation> <xs:documentation xml:lang="en">Standard type that defines the controlled vocabulary for the licenseID attribute</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:enumeration value="CC0 1.0" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">Creative Commons Public Domain Dedication 1.0 Universal</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="CC BY 4.0" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">Creative Commons Attribution 4.0 International</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="CC BY-SA 4.0" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">Creative Commons Attribution-Sharealike 4.0 International</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="CC BY-NC 4.0" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">Creative Commons Attribution-Noncommercial 4.0 International</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="CC BY-NC-SA 4.0" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">Creative Commons Attribution-Noncommercial-Sharealike 4.0 International</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType> </pre>		

```

<xs:documentation xml:lang="en">Creative Commons Attribution-Noncommercial-Sharealike 4.0 International</xs:documentation>
  <xs:documentation>https://creativecommons.org/licenses/by-nc-sa/4.0/</xs:documentation>
</xs:annotation>
</xs:enumeration>
<xs:enumeration value="CC BY-ND 4.0" xml:lang="en">
  <xs:annotation>
    <xs:documentation xml:lang="en">Creative Commons Attribution-Noderivatives 4.0 International</xs:documentation>
      <xs:documentation>https://creativecommons.org/licenses/by-nd/4.0/</xs:documentation>
    </xs:annotation>
  </xs:enumeration>
<xs:enumeration value="CC BY-NC-ND 4.0" xml:lang="en">
  <xs:annotation>
    <xs:documentation xml:lang="en">Creative Commons Attribution-Noncommercial-Noderivatives 4.0 International</xs:documentation>
      <xs:documentation>https://creativecommons.org/licenses/by-nc-nd/4.0/</xs:documentation>
    </xs:annotation>
  </xs:enumeration>
<xs:enumeration value="MIT" xml:lang="en">
  <xs:annotation>
    <xs:documentation xml:lang="en">The MIT License</xs:documentation>
    <xs:documentation>https://opensource.org/license/MIT</xs:documentation>
  </xs:annotation>
</xs:enumeration>
</xs:restriction>
</xs:simpleType>

```

Simple Type relatedIDType

Namespace	No namespace																								
Annotations	<p>Standard type that defines the controlled vocabulary for the relatedIDType attribute</p> <p>Applies to both Projects and Items</p> <p>Derived from the DataCite controlled vocabulary for relatedIdentifierType (v4.5+)</p> <p>https://datacite-metadata-schema.readthedocs.io/en/4.5/appendices/appendix-1/relatedIdentifierType/</p>																								
Diagram	<p>The diagram shows a UML class named "relatedIDTypeType" with a generalization relationship indicated by a line with a hollow circle at the end pointing to another box labeled "xs:string". Below the class box, a callout bubble provides the definition: "Standard type that defines the controlled vocabulary for the relatedIDType attribute. Applies to both Projects and..." Below the xs:string box, another callout bubble states: "Built-in primitive type. The string datatype represents character strings in XML."</p>																								
Type	restriction of xs:string																								
Facets	<table border="1"> <tbody> <tr> <td>enumeration</td> <td>ARK</td> <td>A URI designed to support long-term access to information objects. ARK is short for Archival Resource Key</td> </tr> <tr> <td>enumeration</td> <td>arXiv</td> <td>arXiv.org is a repository of preprints of scientific papers in the fields of mathematics, physics, astronomy, computer science, quantitative biology, statistics, and quantitative finance.</td> </tr> <tr> <td>enumeration</td> <td>bibcode</td> <td>Astrophysics Data System bibliographic codes</td> </tr> <tr> <td>enumeration</td> <td>DOI</td> <td>A character string used to uniquely identify an object. A DOI name is divided into two parts, a prefix and a suffix, separated by a slash.</td> </tr> <tr> <td>enumeration</td> <td>EAN13</td> <td>European Article Number (now renamed International Article Number, but retaining the original acronym) A 13-digit barcoding standard that is a superset of the original 12-digit Universal Product Code (UPC) system.</td> </tr> <tr> <td>enumeration</td> <td>EISSN</td> <td>ISSN used to identify periodicals in electronic form (eISSN or e-ISSN).</td> </tr> <tr> <td>enumeration</td> <td>Handle</td> <td>This refers specifically to an ID in the Handle system operated by the Corporation for National Research Initiatives (CNRI).</td> </tr> <tr> <td>enumeration</td> <td>IGSN</td> <td>A code that uniquely identifies samples from our natural environment and related features-of-interest. IGSN is short for International Generic Sample Number</td> </tr> </tbody> </table>	enumeration	ARK	A URI designed to support long-term access to information objects. ARK is short for Archival Resource Key	enumeration	arXiv	arXiv.org is a repository of preprints of scientific papers in the fields of mathematics, physics, astronomy, computer science, quantitative biology, statistics, and quantitative finance.	enumeration	bibcode	Astrophysics Data System bibliographic codes	enumeration	DOI	A character string used to uniquely identify an object. A DOI name is divided into two parts, a prefix and a suffix, separated by a slash.	enumeration	EAN13	European Article Number (now renamed International Article Number, but retaining the original acronym) A 13-digit barcoding standard that is a superset of the original 12-digit Universal Product Code (UPC) system.	enumeration	EISSN	ISSN used to identify periodicals in electronic form (eISSN or e-ISSN).	enumeration	Handle	This refers specifically to an ID in the Handle system operated by the Corporation for National Research Initiatives (CNRI).	enumeration	IGSN	A code that uniquely identifies samples from our natural environment and related features-of-interest. IGSN is short for International Generic Sample Number
enumeration	ARK	A URI designed to support long-term access to information objects. ARK is short for Archival Resource Key																							
enumeration	arXiv	arXiv.org is a repository of preprints of scientific papers in the fields of mathematics, physics, astronomy, computer science, quantitative biology, statistics, and quantitative finance.																							
enumeration	bibcode	Astrophysics Data System bibliographic codes																							
enumeration	DOI	A character string used to uniquely identify an object. A DOI name is divided into two parts, a prefix and a suffix, separated by a slash.																							
enumeration	EAN13	European Article Number (now renamed International Article Number, but retaining the original acronym) A 13-digit barcoding standard that is a superset of the original 12-digit Universal Product Code (UPC) system.																							
enumeration	EISSN	ISSN used to identify periodicals in electronic form (eISSN or e-ISSN).																							
enumeration	Handle	This refers specifically to an ID in the Handle system operated by the Corporation for National Research Initiatives (CNRI).																							
enumeration	IGSN	A code that uniquely identifies samples from our natural environment and related features-of-interest. IGSN is short for International Generic Sample Number																							

	enumeration	ISBN	A unique numeric book identifier. There are 2 formats: a 10-digit ISBN format and a 13-digit ISBN. ISBN is short for International Standard Book Number
	enumeration	ISSN	A unique 8-digit number used to identify a print or electronic periodical publication. ISSN is short for International Standard Serial Number
	enumeration	ISTC	A unique "number" assigned to a textual work. An ISTC consists of 16 numbers and/or letters. ISTC is short for International Standard Text Code
	enumeration	LISSN	The linking ISSN or ISSN-L enables collocation or linking among different media versions of a continuing resource.
	enumeration	LSID	A unique identifier for data in the Life Science domain.
	enumeration	MFAID	A Mediaflux Asset ID number Include the domain and namespace to make the ID as persistent as possible
	enumeration	PMID	A unique number assigned to each PubMed record.
	enumeration	PURL	Persistent Uniform Resource Locator
	enumeration	UPC	A barcode symbology used for tracking trade items in stores. Its most common form, the UPC-A, consists of 12 numerical digits. UPC is short for Universal Product Code
	enumeration	URL	Also known as web address, a URL is a specific character string that constitutes a reference to a resource. URL is short for Universal Resource Locator
	enumeration	URN	A unique and persistent identifier of an electronic document. URN is short for Universal Resource Name
	enumeration	w3id	Mostly used to publish vocabularies and ontologies. The letters 'w3' stand for "World Wide Web".
Used by	Attribute	supplementalMetadata/relations/relation/@relatedIDType	
Source		<pre> <xs:simpleType name="relatedIDTypeType"> <xs:annotation> <xs:documentation xml:lang="en">Standard type that defines the controlled vocabulary for the relatedIDType attribute</xs:documentation> <xs:documentation xml:lang="en">Applies to both Projects and Items</xs:documentation> <xs:documentation xml:lang="en">Derived from the DataCite controlled vocabulary for relatedIdentifierType (v4.5+)</xs:documentation> <xs:documentation>https://datacite-metadata-schema.readthedocs.io/en/4.5/appendices/appendix-1/relatedIdentifierType/</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:enumeration value="ARK" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">A URI designed to support long-term access to information objects.</xs:documentation> <xs:annotation> <xs:documentation xml:lang="en">ARK is short for Archival Resource Key</xs:documentation> </xs:annotation> </xs:annotation> <xs:enumeration value="arXiv" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">arXiv.org is a repository of preprints of scientific papers in the fields of mathematics, physics, astronomy, computer science, quantitative biology, statistics, and quantitative finance.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="bibcode" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">Astrophysics Data System bibliographic codes</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType> </pre>	

```

</xs:enumeration>
<xs:enumeration value="DOI" xml:lang="en">
    <xs:annotation>
        <xs:documentation xml:lang="en">A character string used to uniquely identify an object. A DOI name is divided into two parts, a prefix and a suffix, separated by a slash.</xs:documentation>
    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="EAN13" xml:lang="en">
    <xs:annotation>
        <xs:documentation xml:lang="en">European Article Number (now renamed International Article Number, but retaining the original acronym)</xs:documentation>
        <xs:documentation xml:lang="en">A 13-digit barcoding standard that is a superset of the original 12-digit Universal Product Code (UPC) system.</xs:documentation>
    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="EISSN" xml:lang="en">
    <xs:annotation>
        <xs:documentation xml:lang="en">ISSN used to identify periodicals in electronic form (eISSN or e-ISSN).</xs:documentation>
    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="Handle" xml:lang="en">
    <xs:annotation>
        <xs:documentation xml:lang="en">This refers specifically to an ID in the Handle system operated by the Corporation for National Research Initiatives (CNRI).</xs:documentation>
    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="IGSN" xml:lang="en">
    <xs:annotation>
        <xs:documentation xml:lang="en">A code that uniquely identifies samples from our natural environment and related features-of-interest.</xs:documentation>
        <xs:documentation xml:lang="en">IGSN is short for International Generic Sample Number</xs:documentation>
    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="ISBN" xml:lang="en">
    <xs:annotation>
        <xs:documentation xml:lang="en">A unique numeric book identifier. There are 2 formats: a 10-digit ISBN format and a 13-digit ISBN.</xs:documentation>
        <xs:documentation xml:lang="en">ISBN is short for International Standard Book Number</xs:documentation>
    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="ISSN" xml:lang="en">
    <xs:annotation>
        <xs:documentation xml:lang="en">A unique 8-digit number used to identify a print or electronic periodical publication.</xs:documentation>
        <xs:documentation xml:lang="en">ISSN is short for International Standard Serial Number</xs:documentation>
    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="ISTC" xml:lang="en">
    <xs:annotation>
        <xs:documentation xml:lang="en">A unique "number" assigned to a textual work. An ISTC consists of 16 numbers and/or letters.</xs:documentation>
        <xs:documentation xml:lang="en">ISTC is short for International Standard Text Code</xs:documentation>
    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="LISSN" xml:lang="en">
    <xs:annotation>
        <xs:documentation xml:lang="en">The linking ISSN or ISSN-L enables collocation or linking among different media versions of a continuing resource.</xs:documentation>
    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="LSID" xml:lang="en">
    <xs:annotation>
        <xs:documentation xml:lang="en">A unique identifier for data in the Life Science domain.</xs:documentation>
    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="MFAID" xml:lang="en">
    <xs:annotation>
        <xs:documentation xml:lang="en">A Mediaflux Asset ID number</xs:documentation>
        <xs:documentation xml:lang="en">Include the domain and namespace to make the ID as persistent as possible</xs:documentation>
    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="PMID" xml:lang="en">
    <xs:annotation>
        <xs:documentation xml:lang="en">A unique number assigned to each PubMed record.</xs:documentation>
    </xs:annotation>
</xs:enumeration>

```

```

</xs:enumeration>
<xs:enumeration value="PURL" xml:lang="en">
    <xs:annotation>
        <xs:documentation xml:lang="en">Persistent Uniform Resource Locator</xs:documentation>
    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="UPC" xml:lang="en">
    <xs:annotation>
        <xs:documentation xml:lang="en">A barcode symbology used for tracking trade items in stores. Its most common form, the UPC-A, consists of 12 numerical digits.</xs:documentation>
        <xs:documentation xml:lang="en">UPC is short for Universal Product Code</xs:documentation>
    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="URL" xml:lang="en">
    <xs:annotation>
        <xs:documentation xml:lang="en">Also known as web address, a URL is a specific character string that constitutes a reference to a resource.</xs:documentation>
        <xs:documentation xml:lang="en">URL is short for Universal Resource Locator</xs:documentation>
    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="URN" xml:lang="en">
    <xs:annotation>
        <xs:documentation xml:lang="en">A unique and persistent identifier of an electronic document.</xs:documentation>
        <xs:documentation xml:lang="en">URN is short for Universal Resource Name</xs:documentation>
    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="w3id" xml:lang="en">
    <xs:annotation>
        <xs:documentation xml:lang="en">Mostly used to publish vocabularies and ontologies. The letters 'w3' stand for "World Wide Web".</xs:documentation>
    </xs:annotation>
</xs:enumeration>
</xs:restriction>
</xs:simpleType>

```

Simple Type relationTypeType

Namespace	No namespace																																										
Annotations	<p>Standard type that defines the controlled vocabulary for the relationType attribute</p> <p>Applies to both Projects and Items</p> <p>Derived from the DataCite controlled vocabulary for relationType (v4.5+)</p> <p>https://datacite-metadata-schema.readthedocs.io/en/4.5/appendices/appendix-1/relationType/</p>																																										
Diagram	<p>The diagram shows a UML class named 'relationTypeType' connected by a line to another class named 'xs:string'. A callout box points to the 'relationTypeType' class with the text: 'Standard type that defines the controlled vocabulary for the relationType attribute. Applies to both Projects and...'. Another callout box points to the 'xs:string' class with the text: 'Built-in primitive type. The string datatype represents character strings in XML.'</p>																																										
Type	restriction of xs:string																																										
Facets	<table border="1"> <tbody> <tr> <td>enumeration</td> <td>IsCitedBy</td> <td>B includes A in a citation</td> </tr> <tr> <td>enumeration</td> <td>Cites</td> <td>A includes B in a citation</td> </tr> <tr> <td>enumeration</td> <td>IsSupplementTo</td> <td>A is a supplement to B</td> </tr> <tr> <td>enumeration</td> <td>IsSupplementedBy</td> <td>B is a supplement to A</td> </tr> <tr> <td>enumeration</td> <td>IsContinuedBy</td> <td>A is continued by the work B</td> </tr> <tr> <td>enumeration</td> <td>Continues</td> <td>A is a continuation of the work B</td> </tr> <tr> <td>enumeration</td> <td>Describes</td> <td>A describes B</td> </tr> <tr> <td>enumeration</td> <td>IsDescribedBy</td> <td>A is described by B</td> </tr> <tr> <td>enumeration</td> <td>HasMetadata</td> <td>A has additional metadata B</td> </tr> <tr> <td>enumeration</td> <td>IsMetadataFor</td> <td>Indicates additional metadata A for a resource B</td> </tr> <tr> <td>enumeration</td> <td>HasVersion</td> <td>A has a version B</td> </tr> <tr> <td>enumeration</td> <td>IsVersionOf</td> <td>A is a version of B</td> </tr> <tr> <td>enumeration</td> <td>IsNewVersionOf</td> <td>A is a new edition of B, where the new edition has been modified or updated</td> </tr> <tr> <td>enumeration</td> <td>IsPreviousVersionOf</td> <td>A is a previous edition of B</td> </tr> </tbody> </table>	enumeration	IsCitedBy	B includes A in a citation	enumeration	Cites	A includes B in a citation	enumeration	IsSupplementTo	A is a supplement to B	enumeration	IsSupplementedBy	B is a supplement to A	enumeration	IsContinuedBy	A is continued by the work B	enumeration	Continues	A is a continuation of the work B	enumeration	Describes	A describes B	enumeration	IsDescribedBy	A is described by B	enumeration	HasMetadata	A has additional metadata B	enumeration	IsMetadataFor	Indicates additional metadata A for a resource B	enumeration	HasVersion	A has a version B	enumeration	IsVersionOf	A is a version of B	enumeration	IsNewVersionOf	A is a new edition of B, where the new edition has been modified or updated	enumeration	IsPreviousVersionOf	A is a previous edition of B
enumeration	IsCitedBy	B includes A in a citation																																									
enumeration	Cites	A includes B in a citation																																									
enumeration	IsSupplementTo	A is a supplement to B																																									
enumeration	IsSupplementedBy	B is a supplement to A																																									
enumeration	IsContinuedBy	A is continued by the work B																																									
enumeration	Continues	A is a continuation of the work B																																									
enumeration	Describes	A describes B																																									
enumeration	IsDescribedBy	A is described by B																																									
enumeration	HasMetadata	A has additional metadata B																																									
enumeration	IsMetadataFor	Indicates additional metadata A for a resource B																																									
enumeration	HasVersion	A has a version B																																									
enumeration	IsVersionOf	A is a version of B																																									
enumeration	IsNewVersionOf	A is a new edition of B, where the new edition has been modified or updated																																									
enumeration	IsPreviousVersionOf	A is a previous edition of B																																									

enumeration	IsPartOf	A is a portion of B; may be used for elements of a series Do not use for formal relationships between TigerData projects, subprojects, or items
enumeration	HasPart	A includes the part B Do not use for formal relationships between TigerData projects, subprojects, or items
enumeration	IsPublishedIn	A is published inside B, but is independent of other things published inside of B
enumeration	IsReferencedBy	A is used as a source of information by B
enumeration	References	B is used as a source of information for A
enumeration	IsDocumentedBy	B is documentation about/explaining A
enumeration	Documents	A is documentation about/explaining B
enumeration	IsCompiledBy	B is used to compile or create A
enumeration	Compiles	B is the result of a compile or creation event using A
enumeration	IsVariantFormOf	A is a variant or different form of B
enumeration	IsOriginalFormOf	A is the original form of B
enumeration	IsIdenticalTo	A is identical to B, for use when there is a need to register two separate instances of the same resource
enumeration	IsReviewedBy	A is reviewed by B
enumeration	Reviews	A is a review of B
enumeration	IsDerivedFrom	B is a source upon which A is based
enumeration	IsSourceOf	A is a source upon which B is based
enumeration	IsRequiredBy	A is required by B
enumeration	Requires	A requires B
enumeration	Obsoletes	A replaces B
enumeration	IsObsoletedBy	A is replaced by B
enumeration	IsCollectedBy	A is collected by B
enumeration	Collects	A collects B
enumeration	HasSubproject	A and B are both projects, and A includes B as a subproject Use only with formal relationships between TigerData projects and subprojects
enumeration	IsSubprojectOf	A and B are both projects, and B includes A as a subproject Use only with formal relationships between TigerData projects and subprojects
enumeration	HasItem	A is either a project or an item, B is an item, and A includes B Use only with formal relationships between TigerData projects and/or items
enumeration	IsItemOf	A is an item, B is either a project or an item, and B includes A Use only with formal relationships between TigerData projects and/or items
Used by	Attribute	supplementalMetadata/relations/relation/@relationType
Source	<pre> <xs:simpleType name="relationTypeType"> <xs:annotation> <xs:documentation xml:lang="en">Standard type that defines the controlled vocabulary for the relationType attribute</xs:documentation> <xs:documentation xml:lang="en">Applies to both Projects and Items</xs:documentation> <xs:documentation xml:lang="en">Derived from the DataCite controlled vocabulary for relationType (v4.5+)</xs:documentation> <xs:documentation>https://datacite-metadata-schema.readthedocs.io/en/4.5/appendices/appendix-1/relationType/</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:enumeration value="IsCitedBy" xml:lang="en"> ... </xs:enumeration> </xs:restriction> </xs:simpleType> </pre>	

```

<xs:annotation>
  <xs:documentation xml:lang="en">B includes A in a citation</xs:documentation>
</xs:annotation>
</xs:enumeration>
<xs:enumeration value="Cites" xml:lang="en">
  <xs:annotation>
    <xs:documentation xml:lang="en">A includes B in a citation</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="IsSupplementTo" xml:lang="en">
  <xs:annotation>
    <xs:documentation xml:lang="en">A is a supplement to B</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="IsSupplementedBy" xml:lang="en">
  <xs:annotation>
    <xs:documentation xml:lang="en">B is a supplement to A</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="IsContinuedBy" xml:lang="en">
  <xs:annotation>
    <xs:documentation xml:lang="en">A is continued by the work B</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="Continues" xml:lang="en">
  <xs:annotation>
    <xs:documentation xml:lang="en">A is a continuation of the work B</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="Describes" xml:lang="en">
  <xs:annotation>
    <xs:documentation xml:lang="en">A describes B</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="IsDescribedBy" xml:lang="en">
  <xs:annotation>
    <xs:documentation xml:lang="en">A is described by B</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="HasMetadata" xml:lang="en">
  <xs:annotation>
    <xs:documentation xml:lang="en">A has additional metadata B</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="IsMetadataFor" xml:lang="en">
  <xs:annotation>
    <xs:documentation xml:lang="en">Indicates additional metadata A for a resource B</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="HasVersion" xml:lang="en">
  <xs:annotation>
    <xs:documentation xml:lang="en">A has a version B</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="IsVersionOf" xml:lang="en">
  <xs:annotation>
    <xs:documentation xml:lang="en">A is a version of B</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="IsNewVersionOf" xml:lang="en">
  <xs:annotation>
    <xs:documentation xml:lang="en">A is a new edition of B, where the new edition has been modified or updated</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="IsPreviousVersionOf" xml:lang="en">
  <xs:annotation>
    <xs:documentation xml:lang="en">A is a previous edition of B</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="IsPartOf" xml:lang="en">
  <xs:annotation>
    <xs:documentation xml:lang="en">A is a portion of B; may be used for elements of a series</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="HasPart" xml:lang="en">
  <xs:annotation>
    <xs:documentation xml:lang="en">A includes the part B</xs:documentation>
  </xs:annotation>
</xs:enumeration>

```

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<xs:documentation xml:lang="en">Do not use for formal relationships between TigerData
projects, subprojects, or items</xs:documentation>
</xs:annotation>
</xs:enumeration>
<xs:enumeration value="IsPublishedIn" xml:lang="en">
    <xs:annotation>
        <xs:documentation xml:lang="en">A is published inside B, but is independent of other things
published inside of B</xs:documentation>
    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="IsReferencedBy" xml:lang="en">
    <xs:annotation>
        <xs:documentation xml:lang="en">A is used as a source of information by B</xs:documentation>
    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="References" xml:lang="en">
    <xs:annotation>
        <xs:documentation xml:lang="en">B is used as a source of information for A</
xs:documentation>
    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="IsDocumentedBy" xml:lang="en">
    <xs:annotation>
        <xs:documentation xml:lang="en">B is documentation about/explaining A</xs:documentation>
    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="Documents" xml:lang="en">
    <xs:annotation>
        <xs:documentation xml:lang="en">A is documentation about/explaining B</xs:documentation>
    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="IsCompiledBy" xml:lang="en">
    <xs:annotation>
        <xs:documentation xml:lang="en">B is used to compile or create A</xs:documentation>
    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="Compiles" xml:lang="en">
    <xs:annotation>
        <xs:documentation xml:lang="en">B is the result of a compile or creation event using A</
xs:documentation>
    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="IsVariantFormOf" xml:lang="en">
    <xs:annotation>
        <xs:documentation xml:lang="en">A is a variant or different form of B</xs:documentation>
    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="IsOriginalFormOf" xml:lang="en">
    <xs:annotation>
        <xs:documentation xml:lang="en">A is the original form of B</xs:documentation>
    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="IsIdenticalTo" xml:lang="en">
    <xs:annotation>
        <xs:documentation xml:lang="en">A is identical to B, for use when there is a need to
register two separate instances of the same resource</xs:documentation>
    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="IsReviewedBy" xml:lang="en">
    <xs:annotation>
        <xs:documentation xml:lang="en">A is reviewed by B</xs:documentation>
    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="Reviews" xml:lang="en">
    <xs:annotation>
        <xs:documentation xml:lang="en">A is a review of B</xs:documentation>
    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="IsDerivedFrom" xml:lang="en">
    <xs:annotation>
        <xs:documentation xml:lang="en">B is a source upon which A is based</xs:documentation>
    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="IsSourceOf" xml:lang="en">
    <xs:annotation>
        <xs:documentation xml:lang="en">A is a source upon which B is based</xs:documentation>
    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="IsRequiredBy" xml:lang="en">
    <xs:annotation>
        <xs:documentation xml:lang="en">A is required by B</xs:documentation>
    </xs:annotation>
</xs:enumeration>

```

```

<xs:enumeration value="Requires" xml:lang="en">
  <xs:annotation>
    <xs:documentation xml:lang="en">A requires B</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="Obsoletes" xml:lang="en">
  <xs:annotation>
    <xs:documentation xml:lang="en">A replaces B</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="IsObsoletedBy" xml:lang="en">
  <xs:annotation>
    <xs:documentation xml:lang="en">A is replaced by B</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="IsCollectedBy" xml:lang="en">
  <xs:annotation>
    <xs:documentation xml:lang="en">A is collected by B</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="Collects" xml:lang="en">
  <xs:annotation>
    <xs:documentation xml:lang="en">A collects B</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="HasSubproject" xml:lang="en">
  <xs:annotation>
    <xs:documentation xml:lang="en">A and B are both projects, and A includes B as a subproject</xs:documentation>
    <xs:documentation xml:lang="en">Use only with formal relationships between TigerData projects and subprojects</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="IsSubprojectOf" xml:lang="en">
  <xs:annotation>
    <xs:documentation xml:lang="en">A and B are both projects, and B includes A as a subproject</xs:documentation>
    <xs:documentation xml:lang="en">Use only with formal relationships between TigerData projects and subprojects</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="HasItem" xml:lang="en">
  <xs:annotation>
    <xs:documentation xml:lang="en">A is either a project or an item, B is an item, and A includes B</xs:documentation>
    <xs:documentation xml:lang="en">Use only with formal relationships between TigerData projects and/or items</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="IsItemOf" xml:lang="en">
  <xs:annotation>
    <xs:documentation xml:lang="en">A is an item, B is either a project or an item, and B includes A</xs:documentation>
    <xs:documentation xml:lang="en">Use only with formal relationships between TigerData projects and/or items</xs:documentation>
  </xs:annotation>
</xs:enumeration>
</xs:restriction>
</xs:simpleType>

```

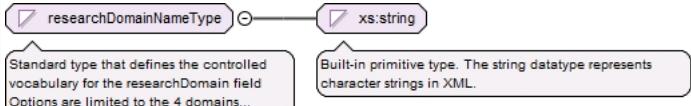
Simple Type dateTypeType

Namespace	No namespace
Annotations	<p>Standard type that defines the controlled vocabulary for the dateType attribute</p> <p>Applies to both Projects and Items</p> <p>Derived from the DataCite controlled vocabulary for dateType (v4.5+)</p> <p>https://datacite-metadata-schema.readthedocs.io/en/4.5/appendices/appendix-1/dateType/</p>
Diagram	<pre> classDiagram dateTypeType "1..>" xsString dateTypeType < -- xsString dateTypeType < -- xs:string dateTypeType < -- xs:normalizedString dateTypeType < -- xs:token dateTypeType < -- xs:language dateTypeType < -- xs:Name dateTypeType < -- xs:NCName dateTypeType < -- xs:QName dateTypeType < -- xs:ID dateTypeType < -- xs:IDREF dateTypeType < -- xs:IDREFS dateTypeType < -- xs:ENTITY dateTypeType < -- xs:ENTITIES dateTypeType < -- xs:NOTATION </pre> <p>The diagram shows a UML class named 'dateTypeType' with a multiplicity of 1..> associated with the 'xs:string' class. An inheritance relationship is shown from 'dateTypeType' to 'xsString', which in turn has inheritance relationships with various XML Schema types: 'normalizedString', 'token', 'language', 'Name', 'NCName', 'QName', 'ID', 'IDREF', 'IDREFS', 'ENTITY', and 'ENTITIES'.</p>
Type	restriction of xs:string

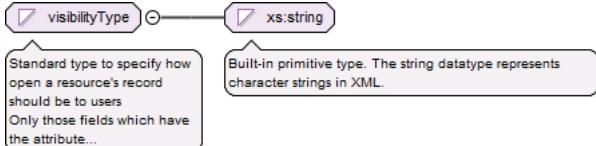
Facets	enumeration	Copyrighted	The specific, documented date at which the resource receives a copyrighted status, if applicable.
	enumeration	Collected	The date or date range in which the resource content was collected.
	enumeration	Created	The date the resource itself was put together; this could refer to a timeframe in ancient history, a date range, or a single date for a final component, e.g., the finalised file with all the data.
	enumeration	Updated	The date of the last update to the resource, when the resource is being added to. May be a range.
	enumeration	Valid	The date or date range during which the dataset or resource is accurate.
	enumeration	Other	Other date that does not fit into an existing category.
	Used by	Attribute	otherDate/@dateType
Source	<pre> <xs:simpleType name="dateTypeType"> <xs:annotation> <xs:documentation xml:lang="en">Standard type that defines the controlled vocabulary for the dateType attribute</xs:documentation> <xs:documentation xml:lang="en">Applies to both Projects and Items</xs:documentation> <xs:documentation xml:lang="en">Derived from the DataCite controlled vocabulary for dateType (v4.5+)</xs:documentation> <xs:documentation>https://datacite-metadata-schema.readthedocs.io/en/4.5/appendices/appendix-1/dateType/</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:enumeration value="Copyrighted" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">The specific, documented date at which the resource receives a copyrighted status, if applicable.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="Collected" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">The date or date range in which the resource content was collected.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="Created" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">The date the resource itself was put together; this could refer to a timeframe in ancient history, a date range, or a single date for a final component, e.g., the finalised file with all the data.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="Updated" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">The date of the last update to the resource, when the resource is being added to. May be a range.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="Valid" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">The date or date range during which the dataset or resource is accurate.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="Other" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">Other date that does not fit into an existing category.</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType> </pre>		

Simple Type researchDomainNameType

Namespace	No namespace
Annotations	Standard type that defines the controlled vocabulary for the researchDomain field Options are limited to the 4 domains Princeton University uses to categorize departments

Diagram	
Type	restriction of xs:string
Facets	enumeration Natural Sciences
	enumeration Engineering
	enumeration Social Sciences
	enumeration Humanities
Used by	Element projectDescription/researchDomains/researchDomain
Source	<pre><xs:simpleType name="researchDomainNameType"> <xs:annotation> <xs:documentation xml:lang="en">Standard type that defines the controlled vocabulary for the researchDomain field</xs:documentation> <xs:documentation xml:lang="en">Options are limited to the 4 domains Princeton University uses to categorize departments</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:enumeration value="Natural Sciences" xml:lang="en"/> <xs:enumeration value="Engineering" xml:lang="en"/> <xs:enumeration value="Social Sciences" xml:lang="en"/> <xs:enumeration value="Humanities" xml:lang="en"/> </xs:restriction> </xs:simpleType></pre>

Simple Type visibilityType

Namespace	No namespace
Annotations	Standard type to specify how open a resource's record should be to users Only those fields which have the attribute discoverable set to true can be made visible
Diagram	
Type	restriction of xs:string
Facets	enumeration Restricted Visibility is restricted to those assigned roles on the resource
	enumeration Limited Visibility is limited to TigerData users
	enumeration Open Visibility is open to the general public
Used by	Element storageAndAccess/projectVisibility
Source	<pre><xs:simpleType name="visibilityType"> <xs:annotation> <xs:documentation xml:lang="en">Standard type to specify how open a resource's record should be to users</xs:documentation> <xs:documentation xml:lang="en">Only those fields which have the attribute discoverable set to true can be made visible</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:enumeration value="Restricted" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">Visibility is restricted to those assigned roles on the resource</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="Limited" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">Visibility is limited to TigerData users</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="Open" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">Visibility is open to the general public</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType></pre>

```
</xs:restriction>
</xs:simpleType>
```

Simple Type storagePerformanceType

Namespace	No namespace		
Annotations	Standard type that defines the controlled vocabulary for storage performance values		
Diagram	<pre> classDiagram storagePerformanceType < -- xs:string </pre> <p>storagePerformanceType is a standard type that defines the controlled vocabulary for storage performance values. It is derived from the built-in primitive type xs:string, which represents character strings in XML.</p>		
Type	restriction of xs:string		
Facets	enumeration	Eco	<p>The most economical storage tier available in TigerData (lowest cost and smallest carbon footprint)</p> <p>Appropriate for long-term/low-use data, i.e. cold storage</p> <p>The typical implementation is an object store system, e.g. IBM Cloud Object Storage</p>
	enumeration	Standard	<p>The middle storage tier for TigerData, used as a default</p> <p>Appropriate for data that is accessed occasionally but infrequently edited, i.e. cool storage</p> <p>The typical implementation is a network attached storage system, e.g. Dell PowerScale</p>
	enumeration	Premium	<p>The most performant storage tier available in TigerData</p> <p>Reserved for actively edited data that needs to be close to high performance computing systems, i.e. warm storage</p> <p>The typical implementation is a cluster file system, e.g. IBM General Parallel File System</p>
Used by	Elements	storageAndAccess/storagePerformance/approvedValue, storageAndAccess/storagePerformance/requestedValue, storageAndAccess/storagePerformance/storagePerformanceSetting	
Source	<pre> <xs:simpleType name="storagePerformanceType"> <xs:annotation> <xs:documentation xml:lang="en">Standard type that defines the controlled vocabulary for storage performance values</xs:documentation> <xs:annotation> <xs:restriction base="xs:string"> <xs:enumeration value="Eco" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">The most economical storage tier available in TigerData (lowest cost and smallest carbon footprint)</xs:documentation> <xs:documentation xml:lang="en">Appropriate for long-term/low-use data, i.e. cold storage</xs:documentation> <xs:documentation xml:lang="en">The typical implementation is an object store system, e.g. IBM Cloud Object Storage</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="Standard" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">The middle storage tier for TigerData, used as a default</xs:documentation> <xs:documentation xml:lang="en">Appropriate for data that is accessed occasionally but infrequently edited, i.e. cool storage</xs:documentation> <xs:documentation xml:lang="en">The typical implementation is a network attached storage system, e.g. Dell PowerScale</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="Premium" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">The most performant storage tier available in TigerData</xs:documentation> <xs:documentation xml:lang="en">Reserved for actively edited data that needs to be close to high performance computing systems, i.e. warm storage</xs:documentation> <xs:documentation xml:lang="en">The typical implementation is a cluster file system, e.g. IBM General Parallel File System</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType></pre>		

```
</xs:enumeration>
</xs:restriction>
</xs:simpleType>
```

Simple Type fileEstimateType

Namespace	No namespace												
Annotations	Standard type that defines the controlled vocabulary for the numberOfFiles field												
Diagram	<p>The diagram shows a UML class named 'fileEstimateType' with a hollow diamond symbol indicating it is a simple type. It is connected by a line to another hollow diamond symbol representing 'xs:string'. A callout box below 'fileEstimateType' states: 'Standard type that defines the controlled vocabulary for the numberOfFiles field'. Another callout box below 'xs:string' states: 'Built-in primitive type. The string datatype represents character strings in XML.'</p>												
Type	restriction of xs:string												
Facets	<table border="1"> <tr> <td>enumeration</td> <td>Less than 10,000</td> <td>The project is estimated to include less than 10,000 files at any one time</td> </tr> <tr> <td>enumeration</td> <td>10k - 100k</td> <td>The project is estimated to include between 10,000 and 100,000 files at any one time</td> </tr> <tr> <td>enumeration</td> <td>100k - 1mil</td> <td>The project is estimated to include between 100,000 and 1,000,000 files at any one time</td> </tr> <tr> <td>enumeration</td> <td>More than 1 million</td> <td>The project is estimated to include more than 1,000,000 files at any one time A special request may be required for this largest category</td> </tr> </table>	enumeration	Less than 10,000	The project is estimated to include less than 10,000 files at any one time	enumeration	10k - 100k	The project is estimated to include between 10,000 and 100,000 files at any one time	enumeration	100k - 1mil	The project is estimated to include between 100,000 and 1,000,000 files at any one time	enumeration	More than 1 million	The project is estimated to include more than 1,000,000 files at any one time A special request may be required for this largest category
enumeration	Less than 10,000	The project is estimated to include less than 10,000 files at any one time											
enumeration	10k - 100k	The project is estimated to include between 10,000 and 100,000 files at any one time											
enumeration	100k - 1mil	The project is estimated to include between 100,000 and 1,000,000 files at any one time											
enumeration	More than 1 million	The project is estimated to include more than 1,000,000 files at any one time A special request may be required for this largest category											
Used by	Element storageAndAccess/numberOfFiles												
Source	<pre><xs:simpleType name="fileEstimateType"> <xs:annotation> <xs:documentation xml:lang="en">Standard type that defines the controlled vocabulary for the numberOfFiles field</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:enumeration value="Less than 10,000" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">The project is estimated to include less than 10,000 files at any one time</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="10k - 100k" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">The project is estimated to include between 10,000 and 100,000 files at any one time</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="100k - 1mil" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">The project is estimated to include between 100,000 and 1,000,000 files at any one time</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="More than 1 million" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">The project is estimated to include more than 1,000,000 files at any one time</xs:documentation> <xs:annotation> <xs:documentation xml:lang="en">A special request may be required for this largest category</xs:documentation> </xs:annotation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType></pre>												

Simple Type hpcType

Namespace	No namespace
Annotations	Standard type that defines the controlled vocabulary for the hpc field
Diagram	<p>The diagram shows a UML class named 'hpcType' with a hollow diamond symbol indicating it is a simple type. It is connected by a line to another hollow diamond symbol representing 'xs:string'. A callout box below 'hpcType' states: 'Standard type that defines the controlled vocabulary for the hpc field'. Another callout box below 'xs:string' states: 'Built-in primitive type. The string datatype represents character strings in XML.'</p>
Type	restriction of xs:string

Facets	enumeration	No	The project will not need to connect to high performance computing resources
	enumeration	Yes	The project will need to connect to high performance computing resources
	enumeration	Not Sure	It is unclear whether the project will need to connect to high performance computing resources
Used by	Element	storageAndAccess/hpc	
Source	<pre><xs:simpleType name="hpcType"> <xs:annotation> <xs:documentation xml:lang="en">Standard type that defines the controlled vocabulary for the hpc field</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:enumeration value="No" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">The project will not need to connect to high performance computing resources</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="Yes" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">The project will need to connect to high performance computing resources</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="Not Sure" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">It is unclear whether the project will need to connect to high performance computing resources</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType></pre>		

Simple Type projectPurposeType

Namespace	No namespace		
Annotations	Standard type that defines the controlled vocabulary for the projectPurpose field		
Diagram	<pre> classDiagram class projectPurposeType { <<Standard type that defines the controlled vocabulary for the projectPurpose field>> } class xsString { <<Built-in primitive type. The string datatype represents character strings in XML.>> } projectPurposeType "1" -- "0..1" xsString </pre>		
Type	restriction of xs:string		
Facets	enumeration	Research	The project is intended to contain research data
	enumeration	Administrative	The project is intended to contain administrative data
	enumeration	Library Archive	The project is intended to contain library archive data
Used by	Element	additionalProjectInformation/projectPurpose	
Source	<pre><xs:simpleType name="projectPurposeType"> <xs:annotation> <xs:documentation xml:lang="en">Standard type that defines the controlled vocabulary for the projectPurpose field</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:enumeration value="Research" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">The project is intended to contain research data</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="Administrative" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">The project is intended to contain administrative data</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="Library Archive" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">The project is intended to contain library archive data</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType></pre>		

```

</xs:annotation>
</xs:enumeration>
</xs:restriction>
</xs:simpleType>

```

Simple Type `resourceTypeType`

Namespace	No namespace								
Annotations	Standard type that defines the controlled vocabulary for <code>resourceType</code> for TigerData resources								
Diagram	<pre> classDiagram class resourceTypeType { <<Standard type that defines the controlled vocabulary for resourceType for TigerData resources>> } class xs:string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } resourceTypeType < -- xs:string </pre>								
Type	restriction of <code>xs:string</code>								
Facets	<table> <tr> <td>enumeration</td> <td>TigerData Project</td> <td>Standard <code>resourceType</code> value for TigerData Projects (not Items) Intended to be used in conjunction with a <code>resourceTypeGeneral</code> value of "Project"</td> </tr> <tr> <td>enumeration</td> <td>TigerData Item</td> <td>Standard <code>resourceType</code> value for TigerData Items (not Projects) The value for <code>resourceTypeGeneral</code> may be anything other than "Project"</td> </tr> </table>			enumeration	TigerData Project	Standard <code>resourceType</code> value for TigerData Projects (not Items) Intended to be used in conjunction with a <code>resourceTypeGeneral</code> value of "Project"	enumeration	TigerData Item	Standard <code>resourceType</code> value for TigerData Items (not Projects) The value for <code>resourceTypeGeneral</code> may be anything other than "Project"
enumeration	TigerData Project	Standard <code>resourceType</code> value for TigerData Projects (not Items) Intended to be used in conjunction with a <code>resourceTypeGeneral</code> value of "Project"							
enumeration	TigerData Item	Standard <code>resourceType</code> value for TigerData Items (not Projects) The value for <code>resourceTypeGeneral</code> may be anything other than "Project"							
Used by	Element	<code>resourceType</code>							
Source	<pre> <xs:simpleType name="resourceTypeType"> <xs:annotation> <xs:documentation xml:lang="en">Standard type that defines the controlled vocabulary for resourceType for TigerData resources</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:enumeration value="TigerData Project" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">Standard <code>resourceType</code> value for TigerData Projects (not Items)</xs:documentation> <xs:documentation xml:lang="en">Intended to be used in conjunction with a <code>resourceTypeGeneral</code> value of "Project"</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="TigerData Item" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">Standard <code>resourceType</code> value for TigerData Items (not Projects)</xs:documentation> <xs:documentation xml:lang="en">The value for <code>resourceTypeGeneral</code> may be anything other than "Project"</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType> </pre>								

Simple Type `licenseType`

Namespace	No namespace											
Annotations	Standard type that defines the controlled vocabulary for the license field											
Diagram	<pre> classDiagram class licenseType { <<Standard type that defines the controlled vocabulary for the license field>> } class xs:string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } licenseType < -- xs:string </pre>											
Type	restriction of <code>xs:string</code>											
Facets	<table> <tr> <td>enumeration</td> <td>Creative Commons Public Domain Dedication 1.0 Universal</td> <td>CC0 1.0 https://creativecommons.org/publicdomain/zero/1.0/</td> </tr> <tr> <td>enumeration</td> <td>Creative Commons Attribution 4.0 International</td> <td>CC BY 4.0 https://creativecommons.org/licenses/by/4.0/</td> </tr> <tr> <td>enumeration</td> <td>Creative Commons Attribution-Sharealike 4.0 International</td> <td>CC BY-SA 4.0 https://creativecommons.org/licenses/by-sa/4.0/</td> </tr> </table>			enumeration	Creative Commons Public Domain Dedication 1.0 Universal	CC0 1.0 https://creativecommons.org/publicdomain/zero/1.0/	enumeration	Creative Commons Attribution 4.0 International	CC BY 4.0 https://creativecommons.org/licenses/by/4.0/	enumeration	Creative Commons Attribution-Sharealike 4.0 International	CC BY-SA 4.0 https://creativecommons.org/licenses/by-sa/4.0/
enumeration	Creative Commons Public Domain Dedication 1.0 Universal	CC0 1.0 https://creativecommons.org/publicdomain/zero/1.0/										
enumeration	Creative Commons Attribution 4.0 International	CC BY 4.0 https://creativecommons.org/licenses/by/4.0/										
enumeration	Creative Commons Attribution-Sharealike 4.0 International	CC BY-SA 4.0 https://creativecommons.org/licenses/by-sa/4.0/										

	enumeration	Creative Commons Attribution-Noncommercial 4.0 International	CC BY-NC 4.0 https://creativecommons.org/licenses/by-nc/4.0/
	enumeration	Creative Commons Attribution-Noncommercial-Sharealike 4.0 International	CC BY-NC-SA 4.0 https://creativecommons.org/licenses/by-nc-sa/4.0/
	enumeration	Creative Commons Attribution-Noderivatives 4.0 International	CC BY-ND 4.0 https://creativecommons.org/licenses/by-nd/4.0/
	enumeration	Creative Commons Attribution-Noncommercial-Noderivatives 4.0 International	CC BY-NC-ND 4.0 https://creativecommons.org/licenses/by-nc-nd/4.0/
	enumeration	The MIT License	MIT https://opensource.org/license/MIT
Used by	Element	license	
Source	<pre> <xs:simpleType name="licenseType"> <xs:annotation> <xs:documentation xml:lang="en">Standard type that defines the controlled vocabulary for the license field</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:enumeration value="Creative Commons Public Domain Dedication 1.0 Universal" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">CC0 1.0</xs:documentation> <xs:documentation>https://creativecommons.org/publicdomain/zero/1.0/</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="Creative Commons Attribution 4.0 International" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">CC BY 4.0</xs:documentation> <xs:documentation>https://creativecommons.org/licenses/by/4.0/</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="Creative Commons Attribution-Sharealike 4.0 International" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">CC BY-SA 4.0</xs:documentation> <xs:documentation>https://creativecommons.org/licenses/by-sa/4.0/</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="Creative Commons Attribution-Noncommercial 4.0 International" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">CC BY-NC 4.0</xs:documentation> <xs:documentation>https://creativecommons.org/licenses/by-nc/4.0/</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="Creative Commons Attribution-Noncommercial-Sharealike 4.0 International" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">CC BY-NC-SA 4.0</xs:documentation> <xs:documentation>https://creativecommons.org/licenses/by-nc-sa/4.0/</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="Creative Commons Attribution-Noderivatives 4.0 International" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">CC BY-ND 4.0</xs:documentation> <xs:documentation>https://creativecommons.org/licenses/by-nd/4.0/</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="The MIT License" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">MIT</xs:documentation> <xs:documentation xml:lang="en">https://opensource.org/license/MIT</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType></pre>		

</xs:simpleType>

Simple Type statusType

Namespace	No namespace		
Annotations	Standard type that defines the controlled vocabulary for the status field		
Diagram	<pre> classDiagram class statusType { <<Standard type that defines the controlled vocabulary for the status field>> } class xsString { <<Built-in primitive type. The string datatype represents character strings in XML.>> } statusType < -- xsString </pre>		
Type	restriction of xs:string		
Facets	enumeration	Active	<p>The project is live: approved and available to users</p> <p>Applies if the submission field has complete approvedBy and approvalDateTime subfields, the frontend has confirmed the project's collection ID in Mediaflux, and the project has been neither retired nor published</p>
	enumeration	Approved	<p>The project has been approved, but it is not yet active</p> <p>Applies if the submission field has complete approvedBy and approvalDateTime subfields, but the frontend has not yet confirmed the project's collection ID in Mediaflux</p>
	enumeration	Pending	<p>The project has been submitted, but not yet approved</p> <p>Applies if the submission field lacks complete approvedBy or approvalDateTime subfields</p>
	enumeration	Published	<p>The project has been published</p> <p>Applies if the publication field has complete approvedBy and approvalDateTime subfields</p>
	enumeration	Retired	<p>The project has been retired and is no longer active</p> <p>Applies if the retirement field has complete approvedBy and approvalDateTime subfields</p>
Used by	Element	projectFields/projectProvenance/status	
Source	<pre> <xs:simpleType name="statusType"> <xs:annotation> <xs:documentation xml:lang="en">Standard type that defines the controlled vocabulary for the status field</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:enumeration value="Active" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">The project is live: approved and available to users</xs:documentation> <xs:documentation xml:lang="en">Applies if the submission field has complete approvedBy and approvalDateTime subfields, the frontend has confirmed the project's collection ID in Mediaflux, and the project has been neither retired nor published</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="Approved" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">The project has been approved, but it is not yet active</xs:documentation> <xs:documentation xml:lang="en">Applies if the submission field has complete approvedBy and approvalDateTime subfields, but the frontend has not yet confirmed the project's collection ID in Mediaflux</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="Pending" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">The project has been submitted, but not yet approved</xs:documentation> <xs:documentation xml:lang="en">Applies if the submission field lacks complete approvedBy or approvalDateTime subfields</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="Published" xml:lang="en"> <xs:annotation> </xs:annotation> </xs:restriction> </xs:simpleType> </pre>		

```

<xs:documentation xml:lang="en">The project has been published</xs:documentation>
<xs:documentation xml:lang="en">Applies if the publication field has complete approvedBy
and approvalDateTime subfields</xs:documentation>
</xs:annotation>
</xs:enumeration>
<xs:enumeration value="Retired" xml:lang="en">
<xs:annotation>
<xs:documentation xml:lang="en">The project has been retired and is no longer active</xs:documentation>
<xs:documentation xml:lang="en">Applies if the retirement field has complete approvedBy
and approvalDateTime subfields</xs:documentation>
</xs:annotation>
</xs:enumeration>
</xs:restriction>
</xs:simpleType>

```

Simple Type mediafluxAssetIDType

Namespace	No namespace				
Annotations	<p>Standard type used for Mediaflux Asset ID (MFAID) values</p> <p>Per Mediaflux Concepts v 0.10 (2021), asset IDs must be in the range [1,9223372036854775807]</p>				
Diagram	<p>The diagram shows a UML class named 'mediafluxAssetIDType' with a multiplicity of 0..1. It is connected by a line to another class named 'xs:integer' with a multiplicity of 0..1. A callout box for 'mediafluxAssetIDType' states: 'Standard type used for Mediaflux Asset ID (MFAID) values Per Mediaflux Concepts v 0.10 (2021), asset IDs must be in the...'. A callout box for 'xs:integer' states: 'Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...'.</p>				
Type	restriction of xs:integer				
Facets	<table> <tr> <td>maxInclusive</td> <td>9223372036854775807</td> </tr> <tr> <td>minInclusive</td> <td>1</td> </tr> </table>	maxInclusive	9223372036854775807	minInclusive	1
maxInclusive	9223372036854775807				
minInclusive	1				
Used by	Element itemFields/itemID				
Source	<pre> <xs:simpleType name="mediafluxAssetIDType"> <xs:annotation> <xs:documentation xml:lang="en">Standard type used for Mediaflux Asset ID (MFAID) values</xs:documentation> <xs:documentation xml:lang="en">Per Mediaflux Concepts v 0.10 (2021), asset IDs must be in the range [1,9223372036854775807]</xs:documentation> </xs:annotation> <xs:restriction base="xs:integer"> <xs:minInclusive value="1"/> <xs:maxInclusive value="9223372036854775807"/> </xs:restriction> </xs:simpleType> </pre>				

Complex Type(s)

Complex Type projectIDValueType

Namespace	No namespace
Annotations	<p>Standard type for the values of projectID and parentProject fields</p> <p>Applies to both Projects (projectID and parentProject) and Items (parentProject)</p>
Diagram	<p>The diagram shows a UML class named 'projectIDValueType' with a multiplicity of 0..1. It is connected by a line to another class named 'doiType' with a multiplicity of 0..1. A callout box for 'projectIDValueType' states: 'Standard type for the values of projectID and parentProject fields Applies to both Projects (projectID and...'. A callout box for 'doiType' states: 'Standard type used for DOI values (just the prefix and suffix; not a full URL) DOI is short for Digital Object...'. A callout box for 'Attributes' states: '@ projectIDType Fixed DOI Makes explicit that the project ID is always given as a DOI'.</p>
Type	extension of doiType
Type hierarchy	<ul style="list-style-type: none"> • xs:string • doiType • projectIDValueType

Used by	Elements	parentProject, projectFields/projectID		
Attributes	QName projectIDType	Type DOI	Fixed optional	Use
		Makes explicit that the project ID is always given as a DOI		
Source	<pre> <xs:complexType name="projectIDValueType"> <xs:annotation> <xs:documentation xml:lang="en">Standard type for the values of projectID and parentProject fields</xs:documentation> <xs:documentation xml:lang="en">Applies to both Projects (projectID and parentProject) and Items (parentProject)</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="doiType"> <xs:attribute name="projectIDType" fixed="DOI"> <xs:annotation> <xs:documentation xml:lang="en">Makes explicit that the project ID is always given as a DOI</xs:documentation> </xs:annotation> </xs:attribute> </xs:extension> </xs:simpleContent> </xs:complexType> </pre>			

Complex Type `textType`

Namespace	No namespace			
Annotations	Standard type used for free text values			
Diagram	<pre> classDiagram class textType { <<Base Type limitedTextType>> Standard type used for free text values } class limitedTextType { Specification for the practical limit applied to free text values } textType --> limitedTextType limitedTextType < --> @xml:lang { Default en Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going... } </pre>			
Type	extension of limitedTextType			
Type hierarchy	<ul style="list-style-type: none"> • xs:string • limitedTextType • textType 			
Used by	Elements	description, duaReference/duaTitle, duaReference/grantorName, fundingReference/awardTitle, fundingReference/funderName, provenanceSubfields/eventNote/message, supplementalMetadata/keywords/keyword, title		
Attributes	QName xml:lang	Type union of(xs:language, restriction of xs:string)	Default en	Use optional
		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. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/lang-tag-apps.htm for further information. The union allows for the 'un-declaration' of xml:lang with the empty string.		
Source	<pre> <xs:complexType name="textType"> <xs:annotation> <xs:documentation xml:lang="en">Standard type used for free text values</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="limitedTextType"> <xs:attribute ref="xml:lang" default="en" /> </xs:extension> </xs:simpleContent> </xs:complexType> </pre>			

```
</xs:simpleContent>
</xs:complexType>
```

Complex Type userType

Namespace	No namespace
Annotations	<p>Standard type used for user fields</p> <p>Given the required attribute userID, all sub-elements are optional, so the element for a given user field may be left empty</p> <p>If the sub-element netID is included, its value should match that of the userID attribute</p>
Diagram	<pre> classDiagram class userType { @Attributes @userID @userDType netID orcid fullName givenName familyName nameDate alternativeNameIdentifier } </pre> <p>The diagram illustrates the structure of the <code>userType</code> complex type. It starts with a box labeled <code>@Attributes</code> containing <code>@userID</code> (Type: <code>netIDType</code>) and <code>@userDType</code> (Type: <code>xs:string</code>, Fixed: <code>NetID</code>). A callout box explains that <code>userID</code> specifies the unique user ID and that if <code>netID</code> is present, it must match <code>userID</code>. Below this is a box for <code>userType</code> itself, which is described as a standard type for user fields. It has attributes <code>netID</code> (Type: <code>xs:string</code>) and <code>orcid</code> (Type: <code>xs:anyURI</code>). <code>netID</code> is described as the University NetID. <code>orcid</code> is described as the ORCID ID URL for the person in a given role. The <code>userType</code> box also contains sub-elements <code>fullName</code>, <code>givenName</code>, <code>familyName</code>, <code>nameDate</code>, and <code>alternativeNameIdentifier</code>. <code>fullName</code> is described as the full name in a specific format. <code>givenName</code> is described as multiple given names. <code>familyName</code> is described as multiple family names. <code>nameDate</code> is described as the recording date in ISO 8601 format. <code>alternativeNameIdentifier</code> is described as records alternative identifiers.</p>
Used by	Elements: <code>dataManager</code> , <code>dataSponsor</code> , <code>dataUser</code> , <code>provenanceSubfields/approvedBy</code> , <code>provenanceSubfields/deniedBy</code> , <code>provenanceSubfields/eventNote/noteBy</code> , <code>provenanceSubfields/requestedBy</code>
Model	<code>netID{0,1}</code> , <code>orcid{0,1}</code> , <code>fullName{0,1}</code> , <code>givenName{0,1}</code> , <code>familyName{0,1}</code> , <code>nameDate{0,1}</code> , <code>alternativeNameIdentifier{0,100}</code>
Children	<code>alternativeNameIdentifier</code> , <code>familyName</code> , <code>fullName</code> , <code>givenName</code> , <code>nameDate</code> , <code>netID</code> , <code>orcid</code>

Attributes	QName	Type	Fixed	Use	
	userID	netIDType		required	
		Specifies the (locally) unique user ID			
		If a value is given for the sub-element netID, then it should match the value given for userID			
	userIDType	xs:string	NetID	optional	
		Makes explicit that Princeton NetIDs are always used as the identifier for userID			
Source	<pre> <xs:complexType name="userType"> <xs:annotation> <xs:documentation xml:lang="en">Standard type used for user fields</xs:documentation> <xs:documentation xml:lang="en">Given the required attribute userID, all sub-elements are optional, so the element for a given user field may be left empty</xs:documentation> <xs:documentation xml:lang="en">If the sub-element netID is included, its value should match that of the userID attribute</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="netID" type="xs:string" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The University NetID (also called the OIT NetID) is the name or user-id that identifies a person to a computer system or electronic service at Princeton.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="orcid" type="xs:anyURI" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The ORCID ID URL for the person in a given role, if available and if verified as valid against the ORCID API upon entry.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="fullName" type="xs:string" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The full name of the person in a given role, verified in the format family-comma-given and matching the corresponding given and family name fields.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="givenName" type="xs:string" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The given name(s) of the person in a given role. If the person has multiple given names, then all should be included in this field, along with any suffixes.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="familyName" type="xs:string" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The family name(s) of the person in a given role. If the person has multiple family names, then all should be included in this field.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="nameDate" type="xs:date" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The date at which the name metadata was recorded, using the ISO 8601 date format (YYYY-MM-DD).</xs:documentation> </xs:annotation> </xs:element> <xs:element name="alternativeNameIdentifier" minOccurs="0" maxOccurs="100"> <xs:annotation> <xs:documentation xml:lang="en">Records alternative (non-ORCID) identifier(s) for the person in a given role.</xs:documentation> </xs:annotation> </xs:element> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="nameIdentifierScheme" type="xs:string" use="required"> <xs:annotation> <xs:documentation xml:lang="en">The name of the scheme to which the name identifier belongs (required when an alternative name identifier is given).</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute name="schemeURI" type="xs:anyURI" use="required"> <xs:annotation> <xs:documentation xml:lang="en">The URI of the scheme to which the name identifier belongs (required when an alternative name identifier is given).</xs:documentation> </xs:annotation> </xs:attribute> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:sequence> </xs:complexType></pre>				

```

</xs:complexType>
</xs:element>
</xs:sequence>
<xs:attribute name="userID" type="netIDType" use="required">
    <xs:annotation>
        <xs:documentation xml:lang="en">Specifies the (locally) unique user ID</xs:documentation>
        <xs:documentation xml:lang="en">If a value is given for the sub-element netID, then it should
match the value given for userID</xs:documentation>
    </xs:annotation>
</xs:attribute>
<xs:attribute name="userIDType" type="xs:string" fixed="NetID">
    <xs:annotation>
        <xs:documentation xml:lang="en">Makes explicit that Princeton NetIDs are always used as the
identifier for userID</xs:documentation>
    </xs:annotation>
</xs:attribute>
</xs:complexType>

```

Complex Type pathType

Namespace	No namespace									
Annotations	Standard type used for file path values									
Diagram	<pre> classDiagram class pathType { <<Base Type pathSafeType>> <<Standard type used for file path values>> } class pathSafeType { <<Primitive type used within pathType
Restricts to alphanumeric characters, underscore, forward and back slashes, and...>> } pathType < -- pathSafeType pathType < -- Attributes class Attributes { <<@ protocol
Type xs:string>> } Attributes < -- protocol <<The storage connection protocol that defines how the path is written>> </pre>									
Type	extension of pathSafeType									
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pathSafeType • pathType 									
Used by	Elements projectDescription/projectDirectory/approvedValue, projectDescription/projectDirectory/projectDirectoryPath, projectDescription/projectDirectory/requestedValue									
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td>protocol</td><td>xs:string</td><td>optional</td></tr> <tr> <td></td><td></td><td>The storage connection protocol that defines how the path is written</td></tr> </tbody> </table>	QName	Type	Use	protocol	xs:string	optional			The storage connection protocol that defines how the path is written
QName	Type	Use								
protocol	xs:string	optional								
		The storage connection protocol that defines how the path is written								
Source	<pre> <xs:complexType name="pathType"> <xs:annotation> <xs:documentation xml:lang="en">Standard type used for file path values</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension bases="pathSafeType"> <xs:attribute name="protocol" type="xs:string" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">The storage connection protocol that defines how the path is written</xs:documentation> </xs:annotation> </xs:attribute> </xs:extension> </xs:simpleContent> </xs:complexType> </pre>									

Complex Type quantityType

Namespace	No namespace
Annotations	Standard type used for generic quantity values

Diagram	<p>The diagram illustrates the <code>quantityType</code> complex type. It consists of a central box labeled <code>quantityType</code> with two outgoing associations. One association points to a box labeled <code>size</code> (Type: <code>xs:decimal</code>) with a note: "The numeric size of the quantity. The practical limits for floating point values set by Mediaflux are the range...". The other association points to a box labeled <code>unit</code> (Type: <code>xs:string</code>) with a note: "The standardized unit of measure for the quantity, following RFC 1738 standards".</p>
Model	size , unit
Children	size, unit
Source	<pre><xs:complexType name="quantityType"> <xs:annotation> <xs:documentation xml:lang="en">Standard type used for generic quantity values</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="size" type="xs:decimal" minOccurs="1" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The numeric size of the quantity</xs:documentation> <xs:documentation xml:lang="en">The practical limits for floating point values set by Mediaflux are the range [4.9E-324,1.7976931348623157E308]</xs:documentation> </xs:annotation> </xs:element> <xs:element name="unit" type="xs:string" minOccurs="1" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The standardized unit of measure for the quantity, following RFC 1738 standards</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType></pre>

Complex Type storageQuantityType

Namespace	No namespace
Annotations	Standard type used for storage quantity values
Diagram	<p>The diagram illustrates the <code>storageQuantityType</code> complex type. It consists of a central box labeled <code>storageQuantityType</code> with two outgoing associations. One association points to a box labeled <code>size</code> (Type: <code>xs:decimal</code>) with a note: "The numeric size of the storage quantity". The other association points to a box labeled <code>unit</code> (<code>byteUnitType</code>) with a note: "The logical byte unit for the storage quantity".</p>
Used by	Elements storageAndAccess/storageCapacity/approvedValue, storageAndAccess/storageCapacity/requestedValue, storageAndAccess/storageCapacity/storageCapacitySetting
Model	size , unit
Children	size, unit
Source	<pre><xs:complexType name="storageQuantityType"> <xs:annotation> <xs:documentation xml:lang="en">Standard type used for storage quantity values</xs:documentation> </xs:annotation> <xs:sequence minOccurs="0" maxOccurs="1"> <xs:element name="size" type="xs:decimal" minOccurs="1" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The numeric size of the storage quantity</xs:documentation> </xs:annotation> </xs:element> <xs:element name="unit" type="byteUnitType" minOccurs="1" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The logical byte unit for the storage quantity</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType></pre>

Attribute(s)

Attribute projectIDValueType / @projectIDType

Namespace	No namespace	
Annotations	Makes explicit that the project ID is always given as a DOI	
Properties	fixed: DOI	
Used by	Complex Type	projectIDValueType
Source	<pre><xss:attribute name="projectIDType" fixed="DOI"> <xss:annotation> <xss:documentation xml:lang="en">Makes explicit that the project ID is always given as a DOI</xss:documentation> </xss:annotation> </xss:attribute></pre>	

Attribute @inherited

Namespace	No namespace	
Annotations	Standard attribute to specify whether a given field's value should be inherited by child resources Inheritance is limited to the applicability of the field to the child resource (e.g., researchDomain may be inherited by a subproject but not an item)	
Type	xs:boolean	
Properties	content: simple	
Used by	Elements	additionalProjectInformation/dataUseAgreement, additionalProjectInformation/grantFunded, additionalProjectInformation/projectPurpose, additionalProjectInformation/provisionalProject, alternativeID, dataManager, dataSponsor, dataUser, description, dueReference, endDate, fundingReference, itemFields/itemID, language, license, otherDate, parentProject, projectDescription/departments/department, projectDescription/projectDirectory, projectDescription/researchDomains/researchDomain, projectFields/projectID, projectFields/projectProvenance/publication, projectFields/projectProvenance/retirement, projectFields/projectProvenance/revisions/revision, projectFields/projectProvenance/schemaVersion, projectFields/projectProvenance/status, projectFields/projectProvenance/submission, publicationDate, resourceType, retirementDate, startDate, storageAndAccess/hpc, storageAndAccess/numberOfFiles, storageAndAccess/projectVisibility, storageAndAccess/storageCapacity, storageAndAccess/storagePerformance, supplementalMetadata/extendedMetadataSchemas/extendedMetadataSchema, supplementalMetadata/keywords/keyword, supplementalMetadata/relations/relation, title
Source	<pre><xss:attribute name="inherited" type="xs:boolean"> <xss:annotation> <xss:documentation xml:lang="en">Standard attribute to specify whether a given field's value should be inherited by child resources</xss:documentation> <xss:documentation xml:lang="en">Inheritance is limited to the applicability of the field to the child resource (e.g., researchDomain may be inherited by a subproject but not an item)</xss:documentation> </xss:annotation> </xss:attribute></pre>	

Attribute @discoverable

Namespace	No namespace	
Annotations	Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems	
Type	xs:boolean	
Properties	content: simple	
Used by	Elements	additionalProjectInformation/dataUseAgreement, additionalProjectInformation/grantFunded, additionalProjectInformation/projectPurpose, additionalProjectInformation/provisionalProject, alternativeIDs, dataManager, dataSponsor, dataUser, dates, description, dueReferences, fundingReferences, itemFields/itemID, languages, licenses, parentProject, projectDescription/departments, projectDescription/projectDirectory, projectDescription/researchDomains, projectFields/projectID, projectFields/projectProvenance/publication, projectFields/projectProvenance/retirement, projectFields/projectProvenance/revisions, projectFields/projectProvenance/schemaVersion, projectFields/projectProvenance/status, projectFields/projectProvenance/submission, resourceType, storageAndAccess/hpc, storageAndAccess/numberOfFiles, storageAndAccess/projectVisibility, storageAndAccess/storageCapacity, storageAndAccess/storagePerformance, supplementalMetadata/extendedMetadataSchemas, supplementalMetadata/keywords, supplementalMetadata/relations, title
Source	<pre><xss:attribute name="discoverable" type="xs:boolean"> <xss:annotation></pre>	

```
<xs:documentation xml:lang="en">Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems</xs:documentation>
</xs:annotation>
</xs:attribute>
```

Attribute @trackingLevel

Namespace	No namespace		
Annotations	Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)		
Type	trackingLevelType		
Properties	content: simple		
Facets	enumeration	ResourceRecord	The field should be included in any long-term or crosswalked records for the resource
	enumeration	InternalUseOnly	The field is intended for internal (Princeton) use only
Used by	Elements	additionalProjectInformation/dataUseAgreement, additionalProjectInformation/grantFunded, additionalProjectInformation/projectPurpose, additionalProjectInformation/provisionalProject, alternativeIDs, dataManager, dataSponsor, dataUsers, dates, description, duaReferences, fundingReferences, itemFields/itemID, languages, licenses, parentProject, projectDescription/departments, projectDescription/projectDirectory, projectDescription/researchDomains, projectFields/projectID, projectFields/projectProvenance/publication, projectFields/projectProvenance/retirement, projectFields/projectProvenance/revisions, projectFields/projectProvenance/schemaVersion, projectFields/projectProvenance/status, projectFields/projectProvenance/submission, resourceType, storageAndAccess/hpc, storageAndAccess/numberOfFiles, storageAndAccess/projectVisibility, storageAndAccess/storageCapacity, storageAndAccess/storagePerformance, supplementalMetadata/extendedMetadataSchemas, supplementalMetadata/dataKeywords, supplementalMetadata/relations, title	
Source	<pre><xs:attribute name="trackingLevel" type="trackingLevelType"> <xs:annotation> <xs:documentation xml:lang="en">Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)</xs:documentation> </xs:annotation> </xs:attribute></pre>		

Attribute @resourceTypeGeneral

Namespace	No namespace		
Annotations	Standard attribute to specify the general type for a resource, following the controlled vocabulary in resourceTypeGeneralType Derived from the DataCite controlled vocabulary for resourceTypeGeneral (v4.5+)		
Type	resourceTypeGeneralType		
Properties	content: simple		
Facets	enumeration	Audiovisual	A series of visual representations imparting an impression of motion when shown in succession. May or may not include sound.
	enumeration	Book	A medium for recording information in the form of writing or images, typically composed of many pages bound together and protected by a cover.
	enumeration	BookChapter	One of the main divisions of a book.
	enumeration	Collection	An aggregation of resources, which may encompass collections of one resourceType as well as those of mixed types. A collection is described as a group; its parts may also be separately described.
	enumeration	ComputationalNotebook	A virtual notebook environment used for literate programming.
	enumeration	ConferencePaper	Article that is written with the goal of being accepted to a conference.
	enumeration	ConferenceProceeding	Collection of academic papers published in the context of an academic conference.
	enumeration	DataPaper	A factual and objective publication with a focused intent to identify and describe specific data, sets of data, or data collections to facilitate discoverability.
	enumeration	Dataset	Data encoded in a defined structure.

	enumeration	Dissertation	A written essay, treatise, or thesis, especially one written by a candidate for the degree of Doctor of Philosophy.
	enumeration	Event	A non-persistent, time-based occurrence.
	enumeration	Image	A visual representation other than text.
	enumeration	Instrument	A device, tool or apparatus used to obtain, measure and/or analyze data.
	enumeration	InteractiveResource	A resource requiring interaction from the user to be understood, executed, or experienced.
	enumeration	Journal	A scholarly publication consisting of articles that is published regularly throughout the year.
	enumeration	JournalArticle	A written composition on a topic of interest, which forms a separate part of a journal.
	enumeration	Model	An abstract, conceptual, graphical, mathematical or visualization model that represents empirical objects, phenomena, or physical processes.
	enumeration	PeerReview	Evaluation of scientific, academic, or professional work by others working in the same field.
	enumeration	PhysicalObject	A physical object or substance.
	enumeration	Preprint	A version of a scholarly or scientific paper that precedes formal peer review and publication in a peer-reviewed scholarly or scientific journal.
	enumeration	Project	A planned endeavor or activity, frequently collaborative, intended to achieve a particular aim using allocated resources such as budget, time, and expertise.
	enumeration	Report	A document that presents information in an organized format for a specific audience and purpose.
	enumeration	Service	An organized system of apparatus, appliances, staff, etc., for supplying some function(s) required by end users.
	enumeration	Software	A computer program other than a computational notebook, in either source code (text) or compiled form. Use this type for general software components supporting scholarly research. Use the "ComputationalNotebook" value for virtual notebooks.
	enumeration	Sound	A resource primarily intended to be heard.
	enumeration	Standard	Something established by authority, custom, or general consent as a model, example, or point of reference.
	enumeration	StudyRegistration	A detailed, time-stamped description of a research plan, often openly shared in a registry or published in a journal before the study is conducted to lend accountability and transparency in the hypothesis generating and testing process.
	enumeration	Text	A resource consisting primarily of words for reading that is not covered by any other textual resource type in this list.
	enumeration	Workflow	A structured series of steps which can be executed to produce a final outcome, allowing users a means to specify and enact their work in a more reproducible manner.
	enumeration	Other	A type of resource not otherwise described by defined types.
Used by	Elements	resourceType, supplementalMetadata/relations/relation	
Source		<pre> <xs:attribute name="resourceTypeGeneral" type="resourceTypeGeneralType"> <xs:annotation> <xs:documentation xml:lang="en">Standard attribute to specify the general type for a resource, following the controlled vocabulary in resourceTypeGeneralType</xs:documentation> <xs:documentation xml:lang="en">Derived from the DataCite controlled vocabulary for resourceTypeGeneral (v4.5+)</xs:documentation> </xs:annotation> </xs:attribute></pre>	

Attribute @approved

Namespace	No namespace
Annotations	Standard attribute to specify whether a given field has an approved value Applies to fields which have a request-approval framework, including projectDirectory, storageCapacity, and storagePerformance
Type	xs:boolean
Properties	content: simple
Used by	Elements projectDescription/projectDirectory, storageAndAccess/storageCapacity, storageAndAccess/storagePerformance
Source	<pre><xs:attribute name="approved" type="xs:boolean"> <xs:annotation> <xs:documentation xml:lang="en">Standard attribute to specify whether a given field has an approved value</xs:documentation> <xs:documentation xml:lang="en">Applies to fields which have a request-approval framework, including projectDirectory, storageCapacity, and storagePerformance</xs:documentation> </xs:annotation> </xs:attribute></pre>

Attribute userType / alternativeNameIdentifier / @nameIdentifierScheme

Namespace	No namespace
Annotations	The name of the scheme to which the name identifier belongs (required when an alternative name identifier is given).
Type	xs:string
Properties	use: required
Used by	Element userType/alternativeNameIdentifier
Source	<pre><xs:attribute name="nameIdentifierScheme" type="xs:string" use="required"> <xs:annotation> <xs:documentation xml:lang="en">The name of the scheme to which the name identifier belongs (required when an alternative name identifier is given).</xs:documentation> </xs:annotation> </xs:attribute></pre>

Attribute userType / alternativeNameIdentifier / @schemeURI

Namespace	No namespace
Annotations	The URI of the scheme to which the name identifier belongs (required when an alternative name identifier is given).
Type	xs:anyURI
Properties	use: required
Used by	Element userType/alternativeNameIdentifier
Source	<pre><xs:attribute name="schemeURI" type="xs:anyURI" use="required"> <xs:annotation> <xs:documentation xml:lang="en">The URI of the scheme to which the name identifier belongs (required when an alternative name identifier is given).</xs:documentation> </xs:annotation> </xs:attribute></pre>

Attribute userType / @userID

Namespace	No namespace
Annotations	Specifies the (locally) unique user ID If a value is given for the sub-element netID, then it should match the value given for userID
Type	netIDType
Properties	use: required
Facets	pattern [a-zA-Z0-9]{2,8}
Used by	Complex Type userType
Source	<pre><xs:attribute name="userID" type="netIDType" use="required"> <xs:annotation> <xs:documentation xml:lang="en">Specifies the (locally) unique user ID</xs:documentation></pre>

	<pre><xs:documentation xml:lang="en">If a value is given for the sub-element netID, then it should match the value given for userID</xs:documentation> </xs:annotation> </xs:attribute></pre>
--	---

Attribute userType / @userIDType

Namespace	No namespace	
Annotations	Makes explicit that Princeton NetIDs are always used as the identifier for userID	
Type	xs:string	
Properties	fixed: NetID	
Used by	Complex Type	userType
Source	<pre><xs:attribute name="userIDType" type="xs:string" fixed="NetID"> <xs:annotation> <xs:documentation xml:lang="en">Makes explicit that Princeton NetIDs are always used as the identifier for userID</xs:documentation> </xs:annotation> </xs:attribute></pre>	

Attribute pathType / @protocol

Namespace	No namespace	
Annotations	The storage connection protocol that defines how the path is written	
Type	xs:string	
Properties	use: optional	
Used by	Complex Type	pathType
Source	<pre><xs:attribute name="protocol" type="xs:string" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">The storage connection protocol that defines how the path is written</xs:documentation> </xs:annotation> </xs:attribute></pre>	

Attribute alternativeID / @alternativeIDType

Namespace	No namespace	
Annotations	A simple description of the alternative ID type (e.g. "Local accession number")	
Type	limitedTextType	
Properties	use: required	
Facets	minLength	1
	maxLength	1000
Used by	Element	alternativeID
Source	<pre><xs:attribute name="alternativeIDType" type="limitedTextType" use="required"> <xs:annotation> <xs:documentation xml:lang="en">A simple description of the alternative ID type (e.g. "Local accession number")</xs:documentation> </xs:annotation> </xs:attribute></pre>	

Attribute dataUser / @readOnly

Namespace	No namespace	
Annotations	Specifies whether the data user has read-only access to the resource (if false, then read-write access is granted)	
Type	xs:boolean	
Properties	use: required	
Used by	Element	dataUser
Source	<pre><xs:attribute name="readOnly" type="xs:boolean" use="required"> <xs:annotation> <xs:documentation xml:lang="en">Specifies whether the data user has read-only access to the resource (if false, then read-write access is granted)</xs:documentation></pre>	

```
</xs:annotation>
</xs:attribute>
```

Attribute fundingReference / funderID / @funderIDType

Namespace	No namespace										
Annotations	Records the type of identifier used for funderID										
Type	restriction of xs:string										
Properties	use: required										
Facets	<table> <tr> <td>enumeration</td> <td>Crossref Funder ID</td> </tr> <tr> <td>enumeration</td> <td>GRID</td> </tr> <tr> <td>enumeration</td> <td>ISNI</td> </tr> <tr> <td>enumeration</td> <td>ROR</td> </tr> <tr> <td>enumeration</td> <td>Other</td> </tr> </table>	enumeration	Crossref Funder ID	enumeration	GRID	enumeration	ISNI	enumeration	ROR	enumeration	Other
enumeration	Crossref Funder ID										
enumeration	GRID										
enumeration	ISNI										
enumeration	ROR										
enumeration	Other										
Used by	Element fundingReference/funderID										
Source	<pre><xs:attribute name="funderIDType" use="required"> <xs:annotation> <xs:documentation xml:lang="en">Records the type of identifier used for funderID</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="Crossref Funder ID" xml:lang="en"/> <xs:enumeration value="GRID" xml:lang="en"/> <xs:enumeration value="ISNI" xml:lang="en"/> <xs:enumeration value="ROR" xml:lang="en"/> <xs:enumeration value="Other" xml:lang="en"/> </xs:restriction> </xs:simpleType> </xs:attribute></pre>										

Attribute fundingReference / funderID / @funderIDSchema

Namespace	No namespace
Annotations	Records the schema that defines funderIDType
Type	xs:anyURI
Properties	use: optional
Used by	Element fundingReference/funderID
Source	<pre><xs:attribute name="funderIDSchema" type="xs:anyURI" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">Records the schema that defines funderIDType</xs:documentation> </xs:annotation> </xs:attribute></pre>

Attribute fundingReference / awardNumber / @awardURI

Namespace	No namespace
Annotations	Records the URI for the awardNumber
Type	xs:anyURI
Properties	use: optional
Used by	Element fundingReference/awardNumber
Source	<pre><xs:attribute name="awardURI" type="xs:anyURI" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">Records the URI for the awardNumber</xs:documentation> </xs:annotation> </xs:attribute></pre>

Attribute license / @licenseURI

Namespace	No namespace
Annotations	Specifies the URI of the license
Type	licenseURIType

Properties	use:	required	
Facets	enumeration	https://creativecommons.org/publicdomain/zero/1.0/	Creative Commons Public Domain Dedication 1.0 Universal CC0 1.0
	enumeration	https://creativecommons.org/licenses/by/4.0/	Creative Commons Attribution 4.0 International CC BY 4.0
	enumeration	https://creativecommons.org/licenses/by-sa/4.0/	Creative Commons Attribution-Sharealike 4.0 International CC BY-SA 4.0
	enumeration	https://creativecommons.org/licenses/by-nc/4.0/	Creative Commons Attribution-Noncommercial 4.0 International CC BY-NC 4.0
	enumeration	https://creativecommons.org/licenses/by-nc-sa/4.0/	Creative Commons Attribution-Noncommercial- Sharealike 4.0 International CC BY-NC-SA 4.0
	enumeration	https://creativecommons.org/licenses/by-nd/4.0/	Creative Commons Attribution-Noderivatives 4.0 International CC BY-ND 4.0
	enumeration	https://creativecommons.org/licenses/by-nc-nd/4.0/	Creative Commons Attribution-Noncommercial- Noderivatives 4.0 International CC BY-NC-ND 4.0
	enumeration	https://opensource.org/license/MIT	The MIT License MIT
Used by	Element	license	
Source	<pre><xss:attribute name="licenseURI" type="licenseURIType" use="required"> <xss:annotation> <xss:documentation xml:lang="en">Specifies the URI of the license</xss:documentation> </xss:annotation> </xss:attribute></pre>		

Attribute license / @licenseID

Namespace	No namespace		
Annotations	Specifies the short, standardized version of the license name		
Type	licenseIDType		
Properties	use:	required	
Facets	enumeration	CC0 1.0 https://creativecommons.org/publicdomain/zero/1.0/	Creative Commons Public Domain Dedication 1.0 Universal https://creativecommons.org/publicdomain/zero/1.0/
	enumeration	CC BY 4.0 https://creativecommons.org/licenses/by/4.0/	Creative Commons Attribution 4.0 International https://creativecommons.org/licenses/by/4.0/
	enumeration	CC BY-SA 4.0 https://creativecommons.org/licenses/by-sa/4.0/	Creative Commons Attribution-Sharealike 4.0 International https://creativecommons.org/licenses/by-sa/4.0/
	enumeration	CC BY-NC 4.0 https://creativecommons.org/licenses/by-nc/4.0/	Creative Commons Attribution-Noncommercial 4.0 International https://creativecommons.org/licenses/by-nc/4.0/
	enumeration	CC BY-NC-SA 4.0 https://creativecommons.org/licenses/by-nc-sa/4.0/	Creative Commons Attribution-Noncommercial- Sharealike 4.0 International https://creativecommons.org/licenses/by-nc-sa/4.0/
	enumeration	CC BY-ND 4.0 https://creativecommons.org/licenses/by-nd/4.0/	Creative Commons Attribution-Noderivatives 4.0 International https://creativecommons.org/licenses/by-nd/4.0/
	enumeration	CC BY-NC-ND 4.0 https://creativecommons.org/licenses/by-nc-nd/4.0/	Creative Commons Attribution-Noncommercial- Noderivatives 4.0 International https://creativecommons.org/licenses/by-nc-nd/4.0/

		https://creativecommons.org/licenses/by-nc-nd/4.0/
	enumeration	MIT https://opensource.org/license/MIT
Used by	Element	license
Source		<pre><xs:attribute name="licenseID" type="licenseIDType" use="required"> <xs:annotation> <xs:documentation xml:lang="en">Specifies the short, standardized version of the license name</xs:documentation> </xs:annotation> </xs:attribute></pre>

Attribute license / @licenseIDScheme

Namespace	No namespace
Annotations	Specifies the scheme used for licenseID
Type	xs:string
Properties	fixed: SPDX
Used by	Element license
Source	<pre><xs:attribute name="licenseIDScheme" type="xs:string" fixed="SPDX"> <xs:annotation> <xs:documentation xml:lang="en">Specifies the scheme used for licenseID</xs:documentation> </xs:annotation> </xs:attribute></pre>

Attribute license / @licenseIDSchemeURI

Namespace	No namespace
Annotations	Specifies the URI of the scheme given by licenseIDScheme
Type	xs:anyURI
Properties	fixed: https://spdx.org/licenses/
Used by	Element license
Source	<pre><xs:attribute name="licenseIDSchemeURI" type="xs:anyURI" fixed="https://spdx.org/licenses/"> <xs:annotation> <xs:documentation xml:lang="en">Specifies the URI of the scheme given by licenseIDScheme</xs:documentation> </xs:annotation> </xs:attribute></pre>

Attribute duaReference / duaID / @duaURI

Namespace	No namespace
Annotations	Records the URI for the DUA
Type	xs:anyURI
Properties	use: optional
Used by	Element duaReference/duaID
Source	<pre><xs:attribute name="duaURI" type="xs:anyURI" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">Records the URI for the DUA</xs:documentation> </xs:annotation> </xs:attribute></pre>

Attribute otherDate / @dateType

Namespace	No namespace
Type	dateTypeType
Properties	use: required
Facets	enumeration Copyrighted The specific, documented date at which the resource receives a copyrighted status, if applicable.

	enumeration	Collected	The date or date range in which the resource content was collected.
	enumeration	Created	The date the resource itself was put together; this could refer to a timeframe in ancient history, a date range, or a single date for a final component, e.g., the finalised file with all the data.
	enumeration	Updated	The date of the last update to the resource, when the resource is being added to. May be a range.
	enumeration	Valid	The date or date range during which the dataset or resource is accurate.
	enumeration	Other	Other date that does not fit into an existing category.
Used by	Element	otherDate	
Source	<xs:attribute name="dateType" type="dateTypeType" use="required"/>		

Attribute otherDate / @dateInformation

Namespace	No namespace				
Annotations	More information about the value of otherDate (recommended if dateType is Other)				
Type	limitedTextType				
Properties	use: optional				
Facets	<table> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>1000</td> </tr> </table>	minLength	1	maxLength	1000
minLength	1				
maxLength	1000				
Used by	Element otherDate				
Source	<pre><xs:attribute name="dateInformation" type="limitedTextType" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">More information about the value of otherDate (recommended if dateType is Other)</xs:documentation> </xs:annotation> </xs:attribute></pre>				

Attribute projectDescription / departments / department / @departmentCode

Namespace	No namespace
Annotations	Records the numerical code for the department, if available
Type	xs:positiveInteger
Properties	use: optional
Used by	Element projectDescription/departments/department
Source	<pre><xs:attribute name="departmentCode" type="xs:positiveInteger" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">Records the numerical code for the department, if available</xs:documentation> </xs:annotation> </xs:attribute></pre>

Attribute projectDescription / departments / department / @departmentAbbreviation

Namespace	No namespace
Annotations	Records the common abbreviation for the department, if available
Type	xs:string
Properties	use: optional
Used by	Element projectDescription/departments/department
Source	<pre><xs:attribute name="departmentAbbreviation" type="xs:string" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">Records the common abbreviation for the department, if available</xs:documentation> </xs:annotation> </xs:attribute></pre>

Attribute supplementalMetadata / keywords / keyword / @subjectScheme

Namespace	No namespace				
Annotations	<p>The name of the subject scheme or classification code or authority if one is used.</p> <p>Derived from DataCite Subject attribute definitions (v4.5)</p> <p>https://datacite-metadata-schema.readthedocs.io/en/4.5/properties/subject/</p>				
Type	limitedTextType				
Properties	use: optional				
Facets	<table> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>1000</td> </tr> </table>	minLength	1	maxLength	1000
minLength	1				
maxLength	1000				
Used by	Element supplementalMetadata/keywords/keyword				
Source	<pre><xs:attribute name="subjectScheme" type="limitedTextType" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">The name of the subject scheme or classification code or authority if one is used.</xs:documentation> <xs:documentation xml:lang="en">Derived from DataCite Subject attribute definitions (v4.5)</xs:documentation> <xs:documentation>https://datacite-metadata-schema.readthedocs.io/en/4.5/properties/subject/</xs:documentation> </xs:annotation> </xs:attribute></pre>				

Attribute supplementalMetadata / keywords / keyword / @subjectSchemeURI

Namespace	No namespace
Annotations	<p>The URI of the subject identifier scheme.</p> <p>Derived from DataCite Subject attribute definitions (v4.5)</p> <p>https://datacite-metadata-schema.readthedocs.io/en/4.5/properties/subject/</p>
Type	xs:anyURI
Properties	use: optional
Used by	Element supplementalMetadata/keywords/keyword
Source	<pre><xs:attribute name="subjectSchemeURI" type="xs:anyURI" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">The URI of the subject identifier scheme.</xs:documentation> <xs:documentation xml:lang="en">Derived from DataCite Subject attribute definitions (v4.5)</xs:documentation> <xs:documentation>https://datacite-metadata-schema.readthedocs.io/en/4.5/properties/subject/</xs:documentation> </xs:annotation> </xs:attribute></pre>

Attribute supplementalMetadata / keywords / keyword / @valueURI

Namespace	No namespace
Annotations	<p>The URI of the subject term.</p> <p>Derived from DataCite Subject attribute definitions (v4.5)</p> <p>https://datacite-metadata-schema.readthedocs.io/en/4.5/properties/subject/</p>
Type	xs:anyURI
Properties	use: optional
Used by	Element supplementalMetadata/keywords/keyword
Source	<pre><xs:attribute name="valueURI" type="xs:anyURI" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">The URI of the subject term.</xs:documentation> <xs:documentation xml:lang="en">Derived from DataCite Subject attribute definitions (v4.5)</xs:documentation> <xs:documentation>https://datacite-metadata-schema.readthedocs.io/en/4.5/properties/subject/</xs:documentation> </xs:annotation> </xs:attribute></pre>

Attribute supplementalMetadata / keywords / keyword / @classificationCode

Namespace	No namespace	
Annotations	<p>The classification code used for the subject term in the subject scheme.</p> <p>Derived from DataCite Subject attribute definitions (v4.5)</p> <p>https://datacite-metadata-schema.readthedocs.io/en/4.5/properties/subject/</p>	
Type	limitedTextType	
Properties	use: optional	
Facets	minLength	1
	maxLength	1000
Used by	Element supplementalMetadata/keywords/keyword	
Source	<pre><xs:attribute name="classificationCode" type="limitedTextType" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">The classification code used for the subject term in the subject scheme.</xs:documentation> <xs:documentation xml:lang="en">Derived from DataCite Subject attribute definitions (v4.5)</xs:documentation> <xs:documentation>https://datacite-metadata-schema.readthedocs.io/en/4.5/properties/subject/</xs:documentation> </xs:annotation> </xs:attribute></pre>	

Attribute supplementalMetadata / relations / relation / @relatedIDType

Namespace	No namespace	
Type	relatedIDType	
Properties	default: DOI	
Facets	enumeration	ARK A URI designed to support long-term access to information objects. ARK is short for Archival Resource Key
	enumeration	arXiv arXiv.org is a repository of preprints of scientific papers in the fields of mathematics, physics, astronomy, computer science, quantitative biology, statistics, and quantitative finance.
	enumeration	bibcode Astrophysics Data System bibliographic codes
	enumeration	DOI A character string used to uniquely identify an object. A DOI name is divided into two parts, a prefix and a suffix, separated by a slash.
	enumeration	EAN13 European Article Number (now renamed International Article Number, but retaining the original acronym) A 13-digit barcoding standard that is a superset of the original 12-digit Universal Product Code (UPC) system.
	enumeration	EISSN ISSN used to identify periodicals in electronic form (eISSN or e-ISSN).
	enumeration	Handle This refers specifically to an ID in the Handle system operated by the Corporation for National Research Initiatives (CNRI).
	enumeration	IGSN A code that uniquely identifies samples from our natural environment and related features-of-interest. IGSN is short for International Generic Sample Number
	enumeration	ISBN A unique numeric book identifier. There are 2 formats: a 10-digit ISBN format and a 13-digit ISBN. ISBN is short for International Standard Book Number
	enumeration	ISSN A unique 8-digit number used to identify a print or electronic periodical publication.

		ISSN is short for International Standard Serial Number
enumeration	ISTC	A unique "number" assigned to a textual work. An ISTC consists of 16 numbers and/or letters. ISTC is short for International Standard Text Code
enumeration	LISSN	The linking ISSN or ISSN-L enables collocation or linking among different media versions of a continuing resource.
enumeration	LSID	A unique identifier for data in the Life Science domain.
enumeration	MFAID	A Mediaflux Asset ID number Include the domain and namespace to make the ID as persistent as possible
enumeration	PMID	A unique number assigned to each PubMed record.
enumeration	PURL	Persistent Uniform Resource Locator
enumeration	UPC	A barcode symbology used for tracking trade items in stores. Its most common form, the UPC-A, consists of 12 numerical digits. UPC is short for Universal Product Code
enumeration	URL	Also known as web address, a URL is a specific character string that constitutes a reference to a resource. URL is short for Universal Resource Locator
enumeration	URN	A unique and persistent identifier of an electronic document. URN is short for Universal Resource Name
enumeration	w3id	Mostly used to publish vocabularies and ontologies. The letters 'w3' stand for "World Wide Web".
Used by	Element	supplementalMetadata/relations/relation
Source	<xss:attribute name="relatedIDType" type="relatedIDTypeType" default="DOI" />	

Attribute supplementalMetadata / relations / relation / @relationType

Namespace	No namespace		
Type	relationTypeType		
Properties	use: required		
Facets	enumeration	IsCitedBy	B includes A in a citation
	enumeration	Cites	A includes B in a citation
	enumeration	IsSupplementTo	A is a supplement to B
	enumeration	IsSupplementedBy	B is a supplement to A
	enumeration	IsContinuedBy	A is continued by the work B
	enumeration	Continues	A is a continuation of the work B
	enumeration	Describes	A describes B
	enumeration	IsDescribedBy	A is described by B
	enumeration	HasMetadata	A has additional metadata B
	enumeration	IsMetadataFor	Indicates additional metadata A for a resource B
	enumeration	HasVersion	A has a version B
	enumeration	IsVersionOf	A is a version of B
	enumeration	IsNewVersionOf	A is a new edition of B, where the new edition has been modified or updated
	enumeration	IsPreviousVersionOf	A is a previous edition of B
	enumeration	IsPartOf	A is a portion of B; may be used for elements of a series Do not use for formal relationships between TigerData projects, subprojects, or items

enumeration	HasPart	A includes the part B Do not use for formal relationships between TigerData projects, subprojects, or items
enumeration	IsPublishedIn	A is published inside B, but is independent of other things published inside of B
enumeration	IsReferencedBy	A is used as a source of information by B
enumeration	References	B is used as a source of information for A
enumeration	IsDocumentedBy	B is documentation about/explaining A
enumeration	Documents	A is documentation about/explaining B
enumeration	IsCompiledBy	B is used to compile or create A
enumeration	Compiles	B is the result of a compile or creation event using A
enumeration	IsVariantFormOf	A is a variant or different form of B
enumeration	IsOriginalFormOf	A is the original form of B
enumeration	IsIdenticalTo	A is identical to B, for use when there is a need to register two separate instances of the same resource
enumeration	IsReviewedBy	A is reviewed by B
enumeration	Reviews	A is a review of B
enumeration	IsDerivedFrom	B is a source upon which A is based
enumeration	IsSourceOf	A is a source upon which B is based
enumeration	IsRequiredBy	A is required by B
enumeration	Requires	A requires B
enumeration	Obsoletes	A replaces B
enumeration	IsObsoletedBy	A is replaced by B
enumeration	IsCollectedBy	A is collected by B
enumeration	Collects	A collects B
enumeration	HasSubproject	A and B are both projects, and A includes B as a subproject Use only with formal relationships between TigerData projects and subprojects
enumeration	IsSubprojectOf	A and B are both projects, and B includes A as a subproject Use only with formal relationships between TigerData projects and subprojects
enumeration	HasItem	A is either a project or an item, B is an item, and A includes B Use only with formal relationships between TigerData projects and/or items
enumeration	IsItemOf	A is an item, B is either a project or an item, and B includes A Use only with formal relationships between TigerData projects and/or items
Used by	Element	supplementalMetadata/relations/relation
Source	<xss:attribute name="relationType" type="relationTypeType" use="required"/>	

Attribute supplementalMetadata / relations / relation / @relatedMetadataScheme

Namespace	No namespace
Annotations	The name of the related metadata scheme Use only with HasMetadata and IsMetadataFor relation types Derived from DataCite RelatedIdentifier attribute definitions (v4.5) https://datacite-metadata-schema.readthedocs.io/en/4.5/properties/relatedidentifier/
Type	limitedTextType
Properties	use: optional

Facets	minLength	1
	maxLength	1000
Used by	Element	supplementalMetadata/relations/relation
Source	<pre><xs:attribute name="relatedMetadataScheme" type="limitedTextType" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">The name of the related metadata scheme</xs:documentation> <xs:documentation xml:lang="en">Use only with HasMetadata and IsMetadataFor relation types</xs:documentation> <xs:documentation xml:lang="en">Derived from DataCite RelatedIdentifier attribute definitions (v4.5)</xs:documentation> <xs:documentation>https://datacite-metadata-schema.readthedocs.io/en/4.5/properties/relatedidentifier/</xs:documentation> </xs:annotation> </xs:attribute></pre>	

Attribute supplementalMetadata / relations / relation / @relatedMetadataSchemeURI

Namespace	No namespace
Annotations	<p>The URI of the related metadata scheme</p> <p>Use only with HasMetadata and IsMetadataFor relation types</p> <p>Derived from DataCite RelatedIdentifier attribute definitions (v4.5)</p> <p>https://datacite-metadata-schema.readthedocs.io/en/4.5/properties/relatedidentifier/</p>
Type	xs:anyURI
Properties	use: optional
Used by	Element supplementalMetadata/relations/relation
Source	<pre><xs:attribute name="relatedMetadataSchemeURI" type="xs:anyURI" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">The URI of the related metadata scheme</xs:documentation> <xs:documentation xml:lang="en">Use only with HasMetadata and IsMetadataFor relation types</xs:documentation> <xs:documentation xml:lang="en">Derived from DataCite RelatedIdentifier attribute definitions (v4.5)</xs:documentation> <xs:documentation>https://datacite-metadata-schema.readthedocs.io/en/4.5/properties/relatedidentifier/</xs:documentation> </xs:annotation> </xs:attribute></pre>

Attribute supplementalMetadata / relations / relation / @relatedMetadataSchemeType

Namespace	No namespace				
Annotations	<p>The type of the related metadata scheme (e.g. XSD, DDT, Turtle)</p> <p>Use only with HasMetadata and IsMetadataFor relation types</p> <p>Derived from DataCite RelatedIdentifier attribute definitions (v4.5)</p> <p>https://datacite-metadata-schema.readthedocs.io/en/4.5/properties/relatedidentifier/</p>				
Type	limitedTextType				
Properties	use: optional				
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>1000</td> </tr> </table>	minLength	1	maxLength	1000
minLength	1				
maxLength	1000				
Used by	Element supplementalMetadata/relations/relation				
Source	<pre><xs:attribute name="relatedMetadataSchemeType" type="limitedTextType" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">The type of the related metadata scheme (e.g. XSD, DDT, Turtle)</xs:documentation> <xs:documentation xml:lang="en">Use only with HasMetadata and IsMetadataFor relation types</xs:documentation> <xs:documentation xml:lang="en">Derived from DataCite RelatedIdentifier attribute definitions (v4.5)</xs:documentation> <xs:documentation>https://datacite-metadata-schema.readthedocs.io/en/4.5/properties/relatedidentifier/</xs:documentation> </xs:annotation> </xs:attribute></pre>				

<pre></xs:attribute></pre>

Attribute itemFields / itemID / @itemIDType

Namespace	No namespace	
Annotations	Makes explicit that itemID is always given as a Mediaflux Asset ID	
Properties	fixed:	MFAID
Used by	Element	itemFields/itemID
Source	<pre><xs:attribute name="itemIDType" fixed="MFAID"> <xs:annotation> <xs:documentation xml:lang="en">Makes explicit that itemID is always given as a Mediaflux Asset ID</xs:documentation> </xs:annotation> </xs:attribute></pre>	

Attribute resource / @resourceClass

Namespace	No namespace	
Annotations	Specifies the class of a given resource: either Project or Item.	
Type	restriction of xs:string	
Properties	use:	required
Facets	enumeration	Project
	enumeration	Item
Used by	Element	resource
Source	<pre><xs:attribute name="resourceClass" use="required"> <xs:annotation> <xs:documentation xml:lang="en">Specifies the class of a given resource: either Project or Item.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="Project" xml:lang="en"/> <xs:enumeration value="Item" xml:lang="en"/> </xs:restriction> </xs:simpleType> </xs:attribute></pre>	

Attribute resource / @resourceID

Namespace	No namespace	
Annotations	The unique identifier for the resource within TigerData systems	
Type	limitedTextType	
Properties	use:	required
Facets	minLength	1
	maxLength	1000
Used by	Element	resource
Source	<pre><xs:attribute name="resourceID" type="limitedTextType" use="required"> <xs:annotation> <xs:documentation xml:lang="en">The unique identifier for the resource within TigerData systems</xs:documentation> </xs:annotation> </xs:attribute></pre>	

Attribute resource / @resourceIDType

Namespace	No namespace	
Annotations	If the resourceClass is Project, then the resourceID should be a DOI; if Item, then the resourceID should be a Mediaflux AssetID (MFAID)	
Type	restriction of xs:string	
Properties	use:	required
Facets	enumeration	DOI

	enumeration	MFAID
Used by	Element	resource
Source	<pre><xs:attribute name="resourceIDType" use="required"> <xs:annotation> <xs:documentation xml:lang="en">If the resourceClass is Project, then the resourceId should be a DOI; if Item, then the resourceId should be a Mediaflux AssetID (MFAID)</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="DOI"/> <xs:enumeration value="MFAID"/> </xs:restriction> </xs:simpleType> </xs:attribute></pre>	

Element Group(s)

Element Group provenanceSubfields

Namespace	No namespace
Annotations	The group of all standard subfields included in project provenance fields Does not apply to Items
Diagram	<pre> classDiagram class provenanceSubfields { +requestedBy : userType +requestDateTime : xs:dateTime +approvedBy : userType +approvalDateTime : xs:dateTime +deniedBy : userType +denialDateTime : xs:dateTime +eventNote : string [0..100] } provenanceSubfields < -- requestedBy provenanceSubfields < -- requestDateTime provenanceSubfields < -- approvedBy provenanceSubfields < -- approvalDateTime provenanceSubfields < -- deniedBy provenanceSubfields < -- denialDateTime provenanceSubfields < -- eventNote </pre> <p>The diagram illustrates the structure of the <code>provenanceSubfields</code> element group. It consists of several attributes:</p> <ul style="list-style-type: none"> <code>requestedBy</code>: Type <code>userType</code>. Description: The person who made the request. May be an eligible Data Sponsor, a System Administrator, or a technical service account. <code>requestDateTime</code>: Type <code>xs:dateTime</code>. Description: The date and time the request was made. Include the time zone at the location of the host institution Princeton... <code>approvedBy</code>: Type <code>userType</code>. Description: The person who approved the request. Should be a System Administrator. <code>approvalDateTime</code>: Type <code>xs:dateTime</code>. Description: The date and time the request was approved. Include the time zone at the location of the host institution Princeton... <code>deniedBy</code>: Type <code>userType</code>. Description: The person who denied the request. Should be a System Administrator. <code>denialDateTime</code>: Type <code>xs:dateTime</code>. Description: The date and time the request was denied. Include the time zone at the location of the host institution Princeton... <code>eventNote</code>: Type <code>string</code>. Multiplicity: 0..100. Description: A supplementary record of noteworthy details for a given provenance event. Intended to be retained in a running log of...
Used by	Elements: projectFields/projectProvenance/publication, projectFields/projectProvenance/retirement, projectFields/projectProvenance/revisions/revision, projectFields/projectProvenance/submission
Model	requestedBy , requestDateTime , approvedBy{0,1} , approvalDateTime{0,1} , deniedBy{0,1} , denialDateTime{0,1} , eventNote{0,100}
Children	approvalDateTime, approvedBy, denialDateTime, deniedBy, eventNote, requestDateTime, requestedBy
Source	<pre><xs:group name="provenanceSubfields"> <xs:annotation></pre>

```

<xs:documentation xml:lang="en">The group of all standard subfields included in project
provenance fields</xs:documentation>
<xs:documentation xml:lang="en">Does not apply to Items</xs:documentation>
</xs:annotation>
<xs:sequence>
  <xs:element name="requestedBy" type="userType" minOccurs="1" maxOccurs="1">
    <xs:annotation>
      <xs:documentation xml:lang="en">The person who made the request</xs:documentation>
      <xs:documentation xml:lang="en">May be an eligible Data Sponsor, a System Administrator, or
a technical service account</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="requestDateTime" type="xs:dateTime" minOccurs="1" maxOccurs="1">
    <xs:annotation>
      <xs:documentation xml:lang="en">The date and time the request was made</xs:documentation>
      <xs:documentation xml:lang="en">Include the time zone at the location of the host
institution</xs:documentation>
      <xs:documentation xml:lang="en">Princeton University is in the Eastern Time Zone (UTC-05:00
during Eastern Standard Time and UTC-04:00 during Eastern Daylight Time)</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="approvedBy" type="userType" minOccurs="0" maxOccurs="1">
    <xs:annotation>
      <xs:documentation xml:lang="en">The person who approved the request</xs:documentation>
      <xs:documentation xml:lang="en">Should be a System Administrator</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="approvalDateTime" type="xs:dateTime" minOccurs="0" maxOccurs="1">
    <xs:annotation>
      <xs:documentation xml:lang="en">The date and time the request was approved</
xs:documentation>
      <xs:documentation xml:lang="en">Include the time zone at the location of the host
institution</xs:documentation>
      <xs:documentation xml:lang="en">Princeton University is in the Eastern Time Zone (UTC-05:00
during Eastern Standard Time and UTC-04:00 during Eastern Daylight Time)</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="deniedBy" type="userType" minOccurs="0" maxOccurs="1">
    <xs:annotation>
      <xs:documentation xml:lang="en">The person who denied the request</xs:documentation>
      <xs:documentation xml:lang="en">Should be a System Administrator</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="denialDateTime" type="xs:dateTime" minOccurs="0" maxOccurs="1">
    <xs:annotation>
      <xs:documentation xml:lang="en">The date and time the request was denied</xs:documentation>
      <xs:documentation xml:lang="en">Include the time zone at the location of the host
institution</xs:documentation>
      <xs:documentation xml:lang="en">Princeton University is in the Eastern Time Zone (UTC-05:00
during Eastern Standard Time and UTC-04:00 during Eastern Daylight Time)</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="eventNote" minOccurs="0" maxOccurs="100">
    <xs:annotation>
      <xs:documentation xml:lang="en">A supplementary record of noteworthy details for a given
provenance event</xs:documentation>
      <xs:documentation xml:lang="en">Intended to be retained in a running log of all noteworthy
events</xs:documentation>
    </xs:annotation>
    <xs:complexType>
      <xs:sequence>
        <xs:element name="noteBy" type="userType" minOccurs="1" maxOccurs="1">
          <xs:annotation>
            <xs:documentation xml:lang="en">The person making the note</xs:documentation>
            <xs:documentation xml:lang="en">Should be a System Administrator</xs:documentation>
          </xs:annotation>
        </xs:element>
        <xs:element name="noteDateTime" type="xs:dateTime" minOccurs="1" maxOccurs="1">
          <xs:annotation>
            <xs:documentation xml:lang="en">The date and time the note was made</xs:documentation>
            <xs:documentation xml:lang="en">Include the time zone at the location of the host
institution</xs:documentation>
            <xs:documentation xml:lang="en">Princeton University is in the Eastern Time
Zone (UTC-05:00 during Eastern Standard Time and UTC-04:00 during Eastern Daylight Time)</
xs:documentation>
          </xs:annotation>
        </xs:element>
        <xs:element name="eventType" minOccurs="1" maxOccurs="1">
          <xs:annotation>
            <xs:documentation xml:lang="en">A general category label for the event note</
xs:documentation>
          </xs:annotation>
        </xs:element>
      </xs:sequence>
    </xs:complexType>
  </xs:element>

```

```

<xs:restriction base="xs:string">
    <xs:enumeration value="Collection" xml:lang="en">
        <xs:annotation>
            <xs:documentation xml:lang="en">Event note records the assignment of or change to the project's Mediaflux collection ID</xs:documentation>
        </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="Directory" xml:lang="en">
        <xs:annotation>
            <xs:documentation xml:lang="en">Event note pertains to the project's directory or mount point</xs:documentation>
        </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="Quota" xml:lang="en">
        <xs:annotation>
            <xs:documentation xml:lang="en">Event note pertains to the project's quota settings in Mediaflux</xs:documentation>
        </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="Tier" xml:lang="en">
        <xs:annotation>
            <xs:documentation xml:lang="en">Event note pertains to the project's storage tier</xs:documentation>
        </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="Sponsor" xml:lang="en">
        <xs:annotation>
            <xs:documentation xml:lang="en">Event note records any changes to the project's Data Sponsor</xs:documentation>
        </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="Denial" xml:lang="en">
        <xs:annotation>
            <xs:documentation xml:lang="en">Event note explains the denial of the project request</xs:documentation>
        </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="Other" xml:lang="en">
        <xs:annotation>
            <xs:documentation xml:lang="en">The event note is not otherwise classified</xs:documentation>
        </xs:annotation>
    </xs:enumeration>
</xs:restriction>
</xs:simpleType>
</xs:elements>
<xs:element name="message" type="textType" minOccurs="1" maxOccurs="1">
    <xs:annotation>
        <xs:documentation xml:lang="en">The plain-language message contents of the event note</xs:documentation>
    </xs:annotation>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:sequence>
</xs:group>

```

Element Group projectRoles

Namespace	No namespace
Annotations	A group of all elements included in TigerData project roles Does not apply to Items
Diagram	<pre> classDiagram class projectRoles class dataSponsor { Type: Extension of 'userType' } class dataManager { Type: Extension of 'userType' } class dataUsers { Type: AnyType } projectRoles "0..1" -- "1..1" dataSponsor : projectRoles "0..1" -- "1..1" dataManager : projectRoles "0..1" -- "1..1" dataUsers : </pre> <p>A group of all elements included in TigerData project roles Does not apply to Items</p> <p>The person who takes primary responsibility for the project Does not apply to Items</p> <p>The person who manages the day-to-day activities for the project Does not apply to Items</p> <p>The container element for all data users of a resource May apply to either Projects or Items</p>

Used by	Element Group projectFields
Model	dataSponsor , dataManager , dataUsers{0,1}
Children	dataManager, dataSponsor, dataUsers
Source	<pre> <xss:group name="projectRoles"> <xss:annotation> <xss:documentation xml:lang="en">A group of all elements included in TigerData project roles</xss:documentation> <xss:annotation> <xss:documentation xml:lang="en">Does not apply to Items</xss:documentation> </xss:annotation> <xss:sequence> <xss:element ref="dataSponsor" minOccurs="1" maxOccurs="1"/> <xss:element ref="dataManager" minOccurs="1" maxOccurs="1"/> <xss:element ref="dataUsers" minOccurs="0" maxOccurs="1"/> </xss:sequence> </xss:group> </pre>

Element Group projectDescription

Namespace	No namespace
Annotations	<p>A group of all elements included in TigerData project descriptions</p> <p>Does not apply to Items</p>
Diagram	<pre> graph LR PD[projectDescription] --> RD[researchDomains] PD --> D[departments] PD --> PD2[projectDirectory] PD --> T[title] PD --> D2[description] PD --> L[languages] </pre> <p>The diagram illustrates the structure of the <code>projectDescription</code> element group. It consists of the following components:</p> <ul style="list-style-type: none"> <code>researchDomains</code>: The container element for all research domains for a project. No duplicate domains; no more than 4 total. <code>departments</code>: The container element for all departments for a project. <code>projectDirectory</code>: The locally unique name for the project's top-level directory. If no user request was received and no value has yet been... <code>title</code>: A plain-language title for the resource. May apply to either Projects or Items. <code>description</code>: A plain-language description of the resource and/or its contents. May apply to either Projects or Items. <code>languages</code>: The container element for all languages for a resource. May apply to either Projects or Items.
Used by	Element Group projectFields
Model	researchDomains{0,1} , departments , projectDirectory , title , description , languages{0,1}
Children	departments, description, languages, projectDirectory, researchDomains, title
Source	<pre> <xss:group name="projectDescription"> <xss:annotation> <xss:documentation xml:lang="en">A group of all elements included in TigerData project descriptions</xss:documentation> <xss:annotation> <xss:documentation xml:lang="en">Does not apply to Items</xss:documentation> </xss:annotation> <xss:sequence> <xss:element name="researchDomains" minOccurs="0" maxOccurs="1"> <xss:annotation> <xss:documentation xml:lang="en">The container element for all research domains for a project</xss:documentation> <xss:documentation xml:lang="en">No duplicate domains; no more than 4 total</xss:documentation> </xss:annotation> <xss:complexType> <xss:sequence> <xss:element name="researchDomain" minOccurs="1" maxOccurs="4"> <xss:annotation> <xss:documentation xml:lang="en">The general field(s) of academic research related to the project, if applicable</xss:documentation> </xss:annotation> </xss:element> </xss:sequence> </xss:complexType> </xss:element> </xss:sequence> </xss:group> </pre>

```

<xs:documentation xml:lang="en">Options are limited to the 4 domains Princeton
University uses to categorize departments</xs:documentation>
</xs:annotation>
<xs:complexType>
    <xs:simpleContent>
        <xs:extension base="researchDomainNameType">
            <xs:attribute ref="inherited" fixed="true" />
        </xs:extension>
    </xs:simpleContent>
</xs:complexType>
</xs:element>
<xs:element name="departments" minOccurs="1" maxOccurs="1">
    <xs:annotation>
        <xs:documentation xml:lang="en">The container element for all departments for a project</
    <xs:documentation>
        </xs:annotation>
        <xs:complexType>
            <xs:sequence>
                <xs:element name="department" minOccurs="1" maxOccurs="100">
                    <xs:annotation>
                        <xs:documentation xml:lang="en">The primary Princeton University department(s)
affiliated with the project</xs:documentation>
                        <xs:documentation xml:lang="en">Use the full canonical name for each recorded
department</xs:documentation>
                    </xs:annotation>
                    <xs:complexType>
                        <xs:simpleContent>
                            <xs:extension base="xs:string">
                                <xs:attribute name="departmentCode" type="xs:positiveInteger" use="optional" />
                                <xs:annotation>
                                    <xs:documentation xml:lang="en">Records the numerical code for the department,
if available</xs:documentation>
                                </xs:annotation>
                                </xs:attribute>
                                <xs:attribute name="departmentAbbreviation" type="xs:string" use="optional" />
                                <xs:annotation>
                                    <xs:documentation xml:lang="en">Records the common abbreviation for the
department, if available</xs:documentation>
                                </xs:annotation>
                                </xs:attribute>
                                <xs:attribute ref="inherited" default="true" />
                            </xs:extension>
                        </xs:simpleContent>
                    </xs:complexType>
                </xs:element>
            </xs:sequence>
            <xs:attribute ref="discoverable" fixed="true" />
            <xs:attribute ref="trackingLevel" fixed="ResourceRecord" />
        </xs:complexType>
    </xs:element>
    <xs:element name="projectDirectory" minOccurs="1" maxOccurs="1">
        <xs:annotation>
            <xs:documentation xml:lang="en">The locally unique name for the project's top-level
directory</xs:documentation>
            <xs:documentation xml:lang="en">If no user request was received and no value has yet been
approved, then this field may be empty</xs:documentation>
        </xs:annotation>
        <xs:complexType>
            <xs:sequence>
                <xs:element name="projectDirectoryPath" type="pathType" minOccurs="0" maxOccurs="100">
                    <xs:annotation>
                        <xs:documentation xml:lang="en">A current setting for projectDirectory (omitted until
approved)</xs:documentation>
                        <xs:documentation xml:lang="en">After approval, this value should be updated to match
the approved value (in rare cases, the current setting may later deviate from the approved value)</
xs:documentation>
                        <xs:documentation xml:lang="en">Multiple elements are allowed to specify paths in
alternative protocols</xs:documentation>
                    </xs:annotation>
                </xs:elements>
                <xs:element name="requestedValue" type="pathType" minOccurs="0" maxOccurs="1">
                    <xs:annotation>
                        <xs:documentation xml:lang="en">The requested value for projectDirectory (omitted if
no user request was received)</xs:documentation>
                    </xs:annotation>
                </xs:element>
                <xs:element name="approvedValue" type="pathType" minOccurs="0" maxOccurs="1">
                    <xs:annotation>

```

```

<xs:documentation xml:lang="en">The approved value for projectDirectory (omitted if no sys admin has approved yet)</xs:documentation>
<xs:documentation xml:lang="en">Once approved, the approved attribute should also be set to true</xs:documentation>
</xs:annotation>
</xs:element>
</xs:sequence>
<xs:attribute ref="approved" default="false"/>
<xs:attribute ref="inherited" fixed="false"/>
<xs:attribute ref="discoverable" fixed="false"/>
<xs:attribute ref="trackingLevel" fixed="InternalUseOnly"/>
</xs:complexType>
</xs:element>
<xs:element ref="title" minOccurs="1" maxOccurs="1"/>
<xs:element ref="description" minOccurs="1" maxOccurs="1"/>
<xs:element ref="languages" minOccurs="0" maxOccurs="1"/>
</xs:sequence>
</xs:group>

```

Element Group storageAndAccess

Namespace	No namespace
Annotations	A group of all elements included in TigerData project storage and access needs Does not apply to Items
Diagram	
Used by	Element Group projectFields
Model	storageCapacity , projectVisibility , storagePerformance , numberOffFiles , hpc
Children	hpc, numberOffFiles, projectVisibility, storageCapacity, storagePerformance
Source	<pre> <xs:group name="storageAndAccess"> <xs:annotation> <xs:documentation xml:lang="en">A group of all elements included in TigerData project storage and access needs</xs:documentation> <xs:documentation xml:lang="en">Does not apply to Items</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="storageCapacity" minOccurs="1" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The amount of storage allotted for the project (in logical byte units)</xs:documentation> <xs:documentation xml:lang="en">If no user request was received and no value has yet been approved, then this field may be empty</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="storageCapacitySetting" type="storageQuantityType" minOccurs="0" maxOccurs="1"> <xs:annotation> </pre>

```

<xs:documentation xml:lang="en">The current setting for storageCapacity (omitted until
approved)</xs:documentation>
    <xs:documentation xml:lang="en">After approval, this value should be updated to match
the approved value (in rare cases, the current setting may later deviate from the approved value)</
xs:documentation>
        </xs:annotation>
    </xs:element>
<xs:element name="requestedValue" type="storageQuantityType" minOccurs="0" maxOccurs="1">
    <xs:annotation>
        <xs:documentation xml:lang="en">The requested value for storageCapacity (omitted if no
user request was received)</xs:documentation>
    </xs:annotation>
</xs:element>
<xs:element name="approvedValue" type="storageQuantityType" minOccurs="0" maxOccurs="1">
    <xs:annotation>
        <xs:documentation xml:lang="en">The approved value for storageCapacity (omitted if no
sys admin has approved yet)</xs:documentation>
        <xs:documentation xml:lang="en">Once approved, the approved attribute should also be
set to true</xs:documentation>
    </xs:annotation>
</xs:element>
</xs:sequence>
<xs:attribute ref="approved" default="false"/>
<xs:attribute ref="inherited" fixed="false"/>
<xs:attribute ref="discoverable" fixed="false"/>
<xs:attribute ref="trackingLevel" fixed="InternalUseOnly"/>
</xs:complexType>
</xs:element>
<xs:element name="projectVisibility" minOccurs="1" maxOccurs="1" default="Limited">
    <xs:annotation>
        <xs:documentation xml:lang="en">The level of openness to allow for the project record</
xs:documentation>
    </xs:annotation>
<xs:complexType>
    <xs:simpleContent>
        <xs:extension base="visibilityType">
            <xs:attribute ref="inherited" default="true"/>
            <xs:attribute ref="discoverable" fixed="false"/>
            <xs:attribute ref="trackingLevel" fixed="InternalUseOnly"/>
        </xs:extension>
    </xs:simpleContent>
</xs:complexType>
</xs:element>
<xs:element name="storagePerformance" minOccurs="1" maxOccurs="1">
    <xs:annotation>
        <xs:documentation xml:lang="en">The qualitative assignment for storage performance, i.e.
storage tier</xs:documentation>
        <xs:documentation xml:lang="en">If no user request was received and no value has yet been
approved, then this field may be empty</xs:documentation>
    </xs:annotation>
<xs:complexType>
    <xs:sequence>
        <xs:element name="storagePerformanceSetting" type="storagePerformanceType" minOccurs="0"
maxOccurs="1">
            <xs:annotation>
                <xs:documentation xml:lang="en">The current setting for storagePerformance (omitted
until approved)</xs:documentation>
                <xs:documentation xml:lang="en">After approval, this value should be updated to match
the approved value (in rare cases, the current setting may later deviate from the approved value)</
xs:documentation>
            </xs:annotation>
        </xs:element>
        <xs:element name="requestedValue" type="storagePerformanceType" minOccurs="0"
maxOccurs="1">
            <xs:annotation>
                <xs:documentation xml:lang="en">The requested value for storagePerformance (omitted if
no user request was received)</xs:documentation>
            </xs:annotation>
        </xs:element>
        <xs:element name="approvedValue" type="storagePerformanceType" minOccurs="0"
maxOccurs="1">
            <xs:annotation>
                <xs:documentation xml:lang="en">The approved value for storagePerformance (omitted if
no sys admin has approved yet)</xs:documentation>
                <xs:documentation xml:lang="en">Once approved, the approved attribute should also be
set to true</xs:documentation>
            </xs:annotation>
        </xs:element>
    </xs:sequence>
<xs:attribute ref="approved" default="false"/>
<xs:attribute ref="inherited" default="true"/>
<xs:attribute ref="discoverable" fixed="false"/>
<xs:attribute ref="trackingLevel" fixed="InternalUseOnly"/>

```

```

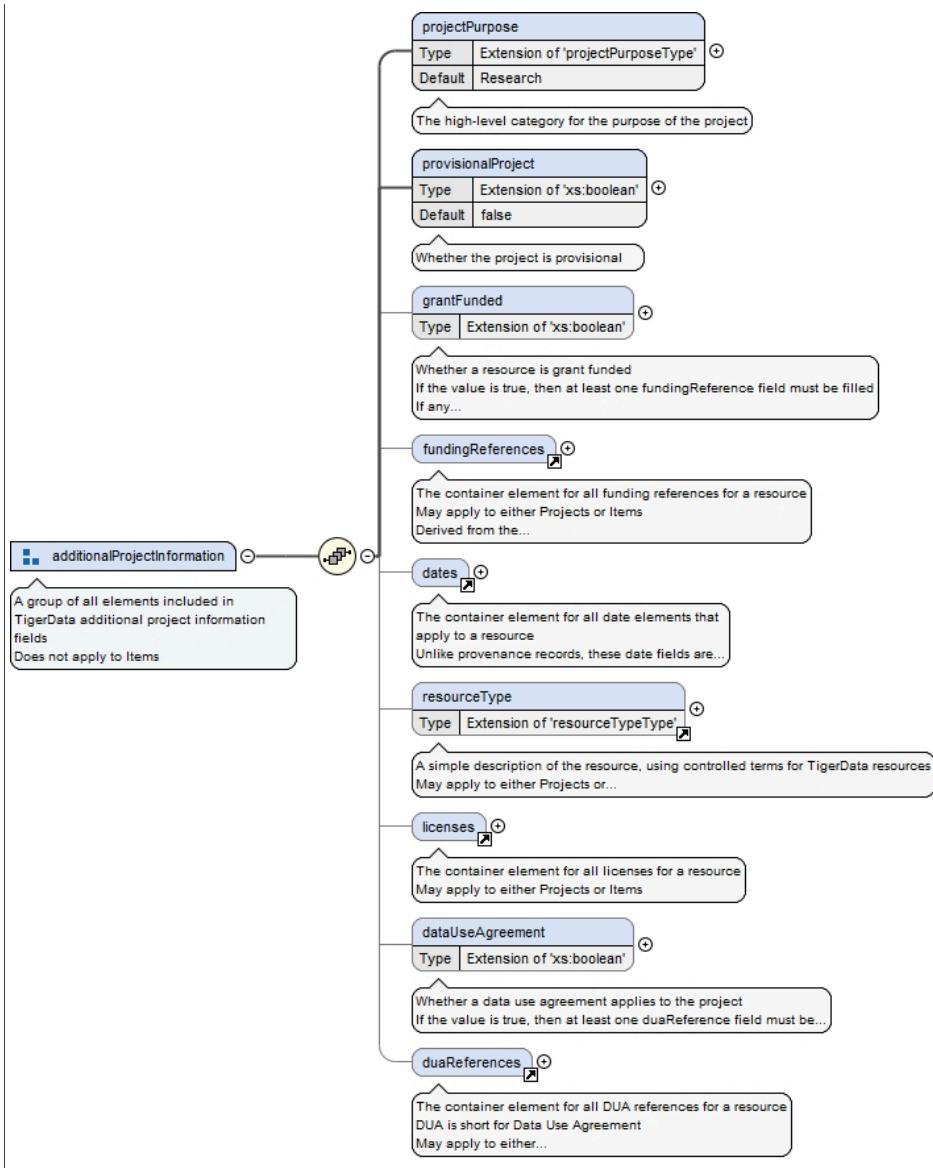
        </xs:complexType>
    </xs:element>
    <xs:element name="numberOfFiles" minOccurs="1" maxOccurs="1" default="Less than 10,000">
        <xs:annotation>
            <xs:documentation xml:lang="en">The estimated number of files the project will incorporate</xs:documentation>
        </xs:annotation>
        <xs:complexType>
            <xs:simpleContent>
                <xs:extension base="fileEstimateType">
                    <xs:attribute ref="inherited" default="false"/>
                    <xs:attribute ref="discoverable" fixed="false"/>
                    <xs:attribute ref="trackingLevel" fixed="InternalUseOnly"/>
                </xs:extension>
            </xs:simpleContent>
        </xs:complexType>
    </xs:element>
    <xs:element name="hpc" minOccurs="1" maxOccurs="1" default="No">
        <xs:annotation>
            <xs:documentation xml:lang="en">Whether the project is expected to connect to high performance computing resources</xs:documentation>
        </xs:annotation>
        <xs:complexType>
            <xs:simpleContent>
                <xs:extension base="hpcType">
                    <xs:attribute ref="inherited" default="true"/>
                    <xs:attribute ref="discoverable" fixed="false"/>
                    <xs:attribute ref="trackingLevel" fixed="InternalUseOnly"/>
                </xs:extension>
            </xs:simpleContent>
        </xs:complexType>
    </xs:element>
</xs:sequence>
</xs:group>

```

Element Group additionalProjectInformation

Namespace	No namespace
Annotations	A group of all elements included in TigerData additional project information fields Does not apply to Items

Diagram



Used by	Element Group projectFields
Model	<code>projectPurpose</code> , <code>provisionalProject</code> , <code>grantFunded</code> {0,1} , <code>fundingReferences</code> {0,1} , <code>dates</code> {0,1} , <code>resourceType</code> {0,1} , <code>licenses</code> {0,1} , <code>dataUseAgreement</code> {0,1} , <code>duaReferences</code> {0,1}
Children	<code>dataUseAgreement</code> , <code>dates</code> , <code>duaReferences</code> , <code>fundingReferences</code> , <code>grantFunded</code> , <code>licenses</code> , <code>projectPurpose</code> , <code>provisionalProject</code> , <code>resourceType</code>
Source	<pre> <xs:group name="additionalProjectInformation"> <xs:annotation> <xs:documentation xml:lang="en">A group of all elements included in TigerData additional project information fields</xs:documentation> <xs:documentation xml:lang="en">Does not apply to Items</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="projectPurpose" minOccurs="1" maxOccurs="1" default="Research"> <xs:annotation> <xs:documentation xml:lang="en">The high-level category for the purpose of the project</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="projectPurposeType"> <xs:attribute ref="inherited" default="true"/> <xs:attribute ref="discoverable" fixed="true"/> <xs:attribute ref="trackingLevel" fixed="InternalUseOnly"/> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element> </xs:sequence> </xs:group> </pre>

```

<xs:element name="provisionalProject" minOccurs="1" maxOccurs="1" default="false">
  <xs:annotation>
    <xs:documentation xml:lang="en">Whether the project is provisional</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:simpleContent>
      <xs:extension base="xs:boolean">
        <xs:attribute ref="inherited" fixed="true"/>
        <xs:attribute ref="discoverable" fixed="true"/>
        <xs:attribute ref="trackingLevel" fixed="InternalUseOnly"/>
      </xs:extension>
    </xs:simpleContent>
  </xs:complexType>
</xs:element>
<xs:element name="grantFunded" minOccurs="0" maxOccurs="1">
  <xs:annotation>
    <xs:documentation xml:lang="en">Whether a resource is grant funded</xs:documentation>
    <xs:documentation xml:lang="en">If the value is true, then at least one fundingReference field must be filled</xs:documentation>
    <xs:documentation xml:lang="en">If any subproject or item contained in a project has a fundingReference, then this field should be set to true</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:simpleContent>
      <xs:extension base="xs:boolean">
        <xs:attribute ref="inherited" default="true"/>
        <xs:attribute ref="discoverable" fixed="false"/>
        <xs:attribute ref="trackingLevel" fixed="InternalUseOnly"/>
      </xs:extension>
    </xs:simpleContent>
  </xs:complexType>
</xs:element>
<xs:element ref="fundingReferences" minOccurs="0" maxOccurs="1"/>
<xs:element ref="dates" minOccurs="0" maxOccurs="1"/>
<xs:element ref="resourceType" minOccurs="0" maxOccurs="1"/>
<xs:element ref="licenses" minOccurs="0" maxOccurs="1"/>
<xs:element name="dataUseAgreement" minOccurs="0" maxOccurs="1">
  <xs:annotation>
    <xs:documentation xml:lang="en">Whether a data use agreement applies to the project</xs:documentation>
    <xs:documentation xml:lang="en">If the value is true, then at least one duaReference field must be filled</xs:documentation>
    <xs:documentation xml:lang="en">If any subproject or item contained in a project has a duaReference, then this field should be set to true</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:simpleContent>
      <xs:extension base="xs:boolean">
        <xs:attribute ref="inherited" default="true"/>
        <xs:attribute ref="discoverable" fixed="false"/>
        <xs:attribute ref="trackingLevel" fixed="InternalUseOnly"/>
      </xs:extension>
    </xs:simpleContent>
  </xs:complexType>
</xs:element>
<xs:element ref="duaReferences" minOccurs="0" maxOccurs="1"/>
</xs:sequence>
</xs:group>

```

Element Group supplementalMetadata

Namespace	No namespace
Annotations	A group of all elements included in TigerData supplemental metadata fields May apply to either Projects and Items
Diagram	<pre> classDiagram class supplementalMetadata { <<A group of all elements included in TigerData supplemental metadata fields>> <<May apply to either Projects and Items>> } class keywords { <<The container element for all keywords for a resource>> <<May apply to either Projects or Items>> } class relations { <<The container element for all relations for a resource>> <<May apply to either Projects or Items>> } class extendedMetadataSchemas { <<The container element for all extended metadata schemas for a resource>> <<May apply to either Projects or Items>> } supplementalMetadata "3..1" -- "1..1" keywords : supplementalMetadata "3..1" -- "1..1" relations : supplementalMetadata "3..1" -- "1..1" extendedMetadataSchemas : </pre>

Used by	Element Groups	itemFields, projectFields
Model	keywords{0,1} , relations{0,1} , extendedMetadataSchemas{0,1}	
Children	extendedMetadataSchemas, keywords, relations	
Source	<pre> <xs:group name="supplementalMetadata"> <xs:annotation> <xs:documentation xml:lang="en">A group of all elements included in TigerData supplemental metadata fields</xs:documentation> <xs:documentation xml:lang="en">May apply to either Projects and Items</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="keywords" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The container element for all keywords for a resource</xs:documentation> <xs:documentation xml:lang="en">May apply to either Projects or Items</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="keyword" minOccurs="1" maxOccurs="100"> <xs:annotation> <xs:documentation xml:lang="en">Tags for subject headings, content types, or other keywords</xs:documentation> <xs:documentation xml:lang="en">May apply to either Projects and Items</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="textType"> <xs:attribute name="subjectScheme" type="limitedTextType" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">The name of the subject scheme or classification code or authority if one is used.</xs:documentation> <xs:documentation xml:lang="en">Derived from DataCite Subject attribute definitions (v4.5)</xs:documentation> <xs:documentation href="https://datacite-metadata-schema.readthedocs.io/en/4.5/properties/subject/</xs:documentation> </xs:annotation> <xs:attribute name="subjectSchemeURI" type="xs:anyURI" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">The URI of the subject identifier scheme.</xs:documentation> <xs:documentation xml:lang="en">Derived from DataCite Subject attribute definitions (v4.5)</xs:documentation> <xs:documentation href="https://datacite-metadata-schema.readthedocs.io/en/4.5/properties/subject/</xs:documentation> </xs:annotation> <xs:attribute name="valueURI" type="xs:anyURI" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">The URI of the subject term.</xs:documentation> <xs:documentation xml:lang="en">Derived from DataCite Subject attribute definitions (v4.5)</xs:documentation> <xs:documentation href="https://datacite-metadata-schema.readthedocs.io/en/4.5/properties/subject/</xs:documentation> </xs:annotation> <xs:attribute name="classificationCode" type="limitedTextType" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">The classification code used for the subject term in the subject scheme.</xs:documentation> <xs:documentation xml:lang="en">Derived from DataCite Subject attribute definitions (v4.5)</xs:documentation> <xs:documentation href="https://datacite-metadata-schema.readthedocs.io/en/4.5/properties/subject/</xs:documentation> </xs:annotation> <xs:attribute ref="inherited" default="true"/> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element> <xs:sequence> <xs:attribute ref="discoverable" fixed="true"/> <xs:attribute ref="trackingLevel" fixed="ResourceRecord"/> </xs:sequence> </xs:complexType> <xs:element name="relations" minOccurs="0" maxOccurs="1"> <xs:annotation> </pre>	

```

<xs:documentation xml:lang="en">The container element for all relations for a resource</
xs:documentation>
    <xs:documentation xml:lang="en">May apply to either Projects or Items</xs:documentation>
</xs:annotation>
<xs:complexType>
    <xs:sequence>
        <xs:element name="relation" minOccurs="1" maxOccurs="100">
            <xs:annotation>
                <xs:documentation xml:lang="en">Specifies a related TigerData project or item, a
published paper, or any other digital object</xs:documentation>
                <xs:documentation xml:lang="en">May apply to either Projects or Items</
xs:documentation>
            </xs:annotation>
            <xs:complexType>
                <xs:simpleContent>
                    <xs:extension base="limitedTextType">
                        <xs:attribute name="relatedIDType" type="relatedIDTypeType" default="DOI" />
                        <xs:attribute name="relationType" type="relationTypeType" use="required"/>
                        <xs:attribute name="relatedMetadataScheme" type="limitedTextType" use="optional">
                            <xs:annotation>
                                <xs:documentation xml:lang="en">The name of the related metadata scheme</
xs:documentation>
                            <xs:documentation xml:lang="en">Use only with HasMetadata and IsMetadataFor
relation types</xs:documentation>
                            <xs:documentation xml:lang="en">Derived from DataCite RelatedIdentifier
attribute definitions (v4.5)</xs:documentation>
                            <xs:documentation>https://datacite-metadata-schema.readthedocs.io/en/4.5/properties/relatedidentifier/</xs:documentation>
                            </xs:annotation>
                        </xs:attribute>
                        <xs:attribute name="relatedMetadataSchemeURI" type="xs:anyURI" use="optional">
                            <xs:annotation>
                                <xs:documentation xml:lang="en">The URI of the related metadata scheme</
xs:documentation>
                            <xs:documentation xml:lang="en">Use only with HasMetadata and IsMetadataFor
relation types</xs:documentation>
                            <xs:documentation xml:lang="en">Derived from DataCite RelatedIdentifier
attribute definitions (v4.5)</xs:documentation>
                            <xs:documentation>https://datacite-metadata-schema.readthedocs.io/en/4.5/properties/relatedidentifier/</xs:documentation>
                            </xs:annotation>
                        </xs:attribute>
                        <xs:attribute name="relatedMetadataSchemeType" type="limitedTextType"
use="optional">
                            <xs:annotation>
                                <xs:documentation xml:lang="en">The type of the related metadata scheme (e.g.
XSD, DDT, Turtle)</xs:documentation>
                                <xs:documentation xml:lang="en">Use only with HasMetadata and IsMetadataFor
relation types</xs:documentation>
                                <xs:documentation xml:lang="en">Derived from DataCite RelatedIdentifier
attribute definitions (v4.5)</xs:documentation>
                                <xs:documentation>https://datacite-metadata-schema.readthedocs.io/en/4.5/properties/relatedidentifier/</xs:documentation>
                            </xs:annotation>
                        </xs:attribute>
                        <xs:attribute ref="resourceTypeGeneral" use="optional"/>
                        <xs:attribute ref="inherited" default="false"/>
                    </xs:extension>
                </xs:simpleContent>
            </xs:complexType>
        </xs:elements>
    </xs:sequence>
    <xs:attribute ref="discoverable" fixed="true"/>
    <xs:attribute ref="trackingLevel" fixed="ResourceRecord"/>
</xs:complexType>
</xs:element>
<xs:element name="extendedMetadataSchemas" minOccurs="0" maxOccurs="1">
    <xs:annotation>
        <xs:documentation xml:lang="en">The container element for all extended metadata schemas for
a resource</xs:documentation>
        <xs:documentation xml:lang="en">May apply to either Projects or Items</xs:documentation>
    </xs:annotation>
    <xs:complexType>
        <xs:sequence>
            <xs:element name="extendedMetadataSchema" minOccurs="1" maxOccurs="100">
                <xs:annotation>
                    <xs:documentation xml:lang="en">An indication of which TigerData supported metadata
schemas should apply to a resource</xs:documentation>
                    <xs:documentation xml:lang="en">May apply to either Projects or Items</
xs:documentation>
                </xs:annotation>
            </xs:element>
        </xs:sequence>
    </xs:complexType>
</xs:element>

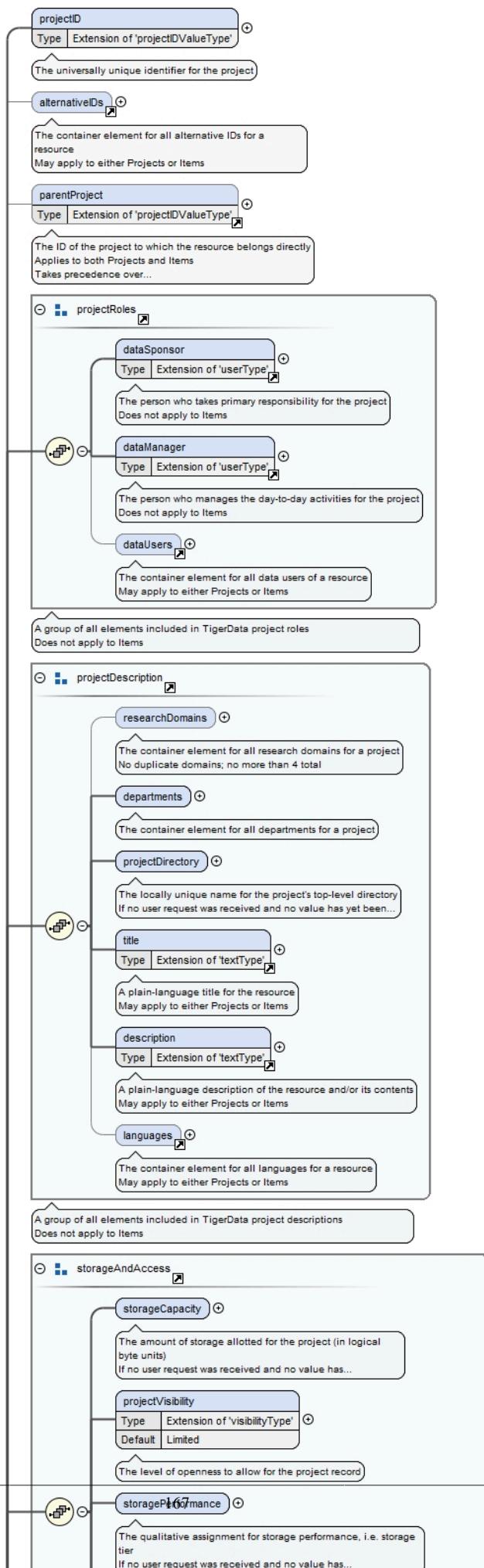
```

```
<xs:extension base="limitedTextType">
    <xs:attribute ref="inherited" default="false"/>
</xs:extension>
</xs:simpleContent>
</xs:complexType>
</xs:element>
</xs:sequence>
<xs:attribute ref="discoverable" fixed="false"/>
<xs:attribute ref="trackingLevel" fixed="InternalUseOnly"/>
</xs:complexType>
</xs:element>
</xs:sequence>
</xs:group>
```

Element Group projectFields

Namespace	No namespace
Annotations	A group of all elements/groups included in the TigerData standard metadata for projects Does not apply to Items

Diagram



Used by	Element	resource
Model	projectID , alternativeIDs{0,1} , parentProject{0,1} , dataSponsor , dataManager , dataUsers{0,1} , researchDomains{0,1} , departments , projectDirectory , title , description , languages{0,1} , storageCapacity , projectVisibility , storagePerformance , numberOfFiles , hpc , projectPurpose , provisionalProject , grantFunded{0,1} , fundingReferences{0,1} , dates{0,1} , resourceType{0,1} , licenses{0,1} , dataUseAgreement{0,1} , duaReferences{0,1} , keywords{0,1} , relations{0,1} , extendedMetadataSchemas{0,1} , projectProvenance	
Children	alternativeIDs, dataManager, dataSponsor, dataUseAgreement, dataUsers, dates, departments, description, duaReferences, extendedMetadataSchemas, fundingReferences, grantFunded, hpc, keywords, languages, licenses, numberOfFiles, parentProject, projectDirectory, projectID, projectProvenance, projectPurpose, projectVisibility, provisionalProject, relations, researchDomains, resourceType, storageCapacity, storagePerformance, title	
Source	<pre> <xs:group name="projectFields"> <xs:annotation> <xs:documentation xml:lang="en">A group of all elements/groups included in the TigerData standard metadata for projects</xs:documentation> <xs:documentation xml:lang="en">Does not apply to Items</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="projectID" minOccurs="1" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The universally unique identifier for the project</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="projectIDValueType"> <xs:attribute ref="inherited" fixed="false"/> <xs:attribute ref="discoverable" fixed="true"/> <xs:attribute ref="trackingLevel" fixed="ResourceRecord"/> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element> <xs:element ref="alternativeIDs" minOccurs="0" maxOccurs="1"/> <xs:element ref="parentProject" minOccurs="0" maxOccurs="1"/> <xs:group ref="projectRoles"/> <xs:group ref="projectDescription"/> <xs:group ref="storageAndAccess"/> <xs:group ref="additionalProjectInformation"/> <xs:group ref="supplementalMetadata"/> <xs:element name="projectProvenance" minOccurs="1" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The container element for all TigerData project provenance fields</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="submission" minOccurs="1" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">A record of a project's initial submission</xs:documentation> </xs:annotation> <xs:complexType> <xs:group ref="provenanceSubfields"/> <xs:attribute ref="inherited" fixed="false"/> <xs:attribute ref="discoverable" fixed="false"/> <xs:attribute ref="trackingLevel" fixed="InternalUseOnly"/> </xs:complexType> </xs:element> <xs:element name="revisions" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The container element for all revision records</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="revision" minOccurs="1" maxOccurs="100"> <xs:annotation> <xs:documentation xml:lang="en">A record of a major revision to an active project</xs:documentation> </xs:annotation> <xs:complexType> <xs:group ref="provenanceSubfields"/> <xs:attribute ref="inherited" default="false"/> </xs:complexType> </xs:element> </xs:sequence> <xs:attribute ref="discoverable" fixed="false"/> <xs:attribute ref="trackingLevel" fixed="InternalUseOnly"/> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </xs:sequence> </xs:group></pre>	

```

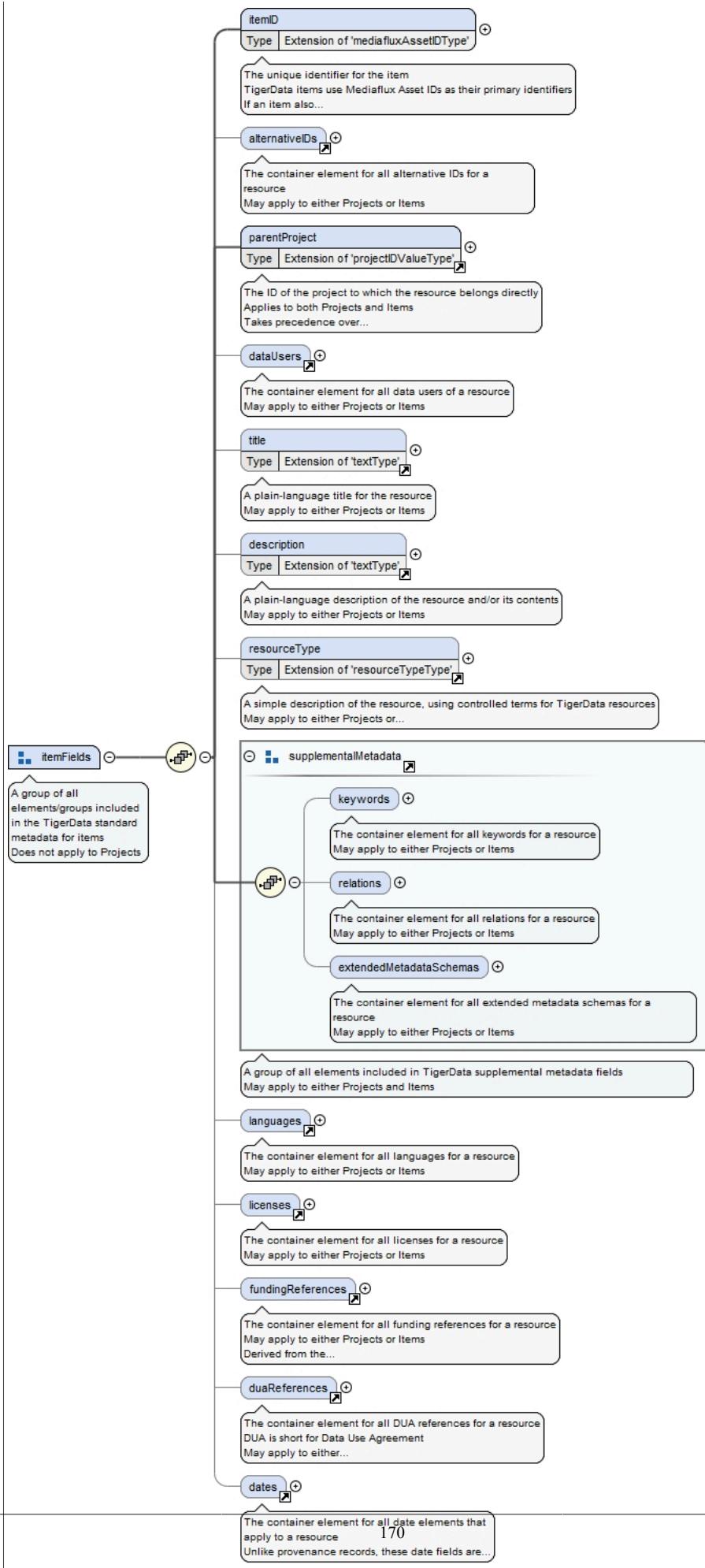
</xs:element>
<xs:element name="retirement" minOccurs="0" maxOccurs="1">
    <xs:annotation>
        <xs:documentation xml:lang="en">A record of a project's retirement</xs:documentation>
    </xs:annotation>
    <xs:complexType>
        <xs:group ref="provenanceSubfields"/>
        <xs:attribute ref="inherited" fixed="true"/>
        <xs:attribute ref="discoverable" fixed="false"/>
        <xs:attribute ref="trackingLevel" fixed="InternalUseOnly"/>
    </xs:complexType>
</xs:element>
<xs:element name="publication" minOccurs="0" maxOccurs="1">
    <xs:annotation>
        <xs:documentation xml:lang="en">A record of a project's publication</xs:documentation>
    </xs:annotation>
    <xs:complexType>
        <xs:group ref="provenanceSubfields"/>
        <xs:attribute ref="inherited" fixed="true"/>
        <xs:attribute ref="discoverable" fixed="false"/>
        <xs:attribute ref="trackingLevel" fixed="InternalUseOnly"/>
    </xs:complexType>
</xs:element>
<xs:element name="status" minOccurs="1" maxOccurs="1" default="Pending">
    <xs:annotation>
        <xs:documentation xml:lang="en">The current status of the project</xs:documentation>
    </xs:annotation>
    <xs:complexType>
        <xs:simpleContent>
            <xs:extension base="statusType">
                <xs:attribute ref="inherited" default="false"/>
                <xs:attribute ref="discoverable" fixed="true"/>
                <xs:attribute ref="trackingLevel" fixed="InternalUseOnly"/>
            </xs:extension>
        </xs:simpleContent>
    </xs:complexType>
</xs:element>
<xs:element name="schemaVersion" maxOccurs="1" minOccurs="1">
    <xs:annotation>
        <xs:documentation xml:lang="en">The version of the TigerData Standard Metadata Schema used</xs:documentation>
    </xs:annotation>
    <xs:complexType>
        <xs:simpleContent>
            <xs:extension base="limitedTextType">
                <xs:attribute ref="inherited" default="true"/>
                <xs:attribute ref="discoverable" fixed="true"/>
                <xs:attribute ref="trackingLevel" fixed="InternalUseOnly"/>
            </xs:extension>
        </xs:simpleContent>
    </xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:sequence>
</xs:group>

```

Element Group itemFields

Namespace	No namespace
Annotations	A group of all elements/groups included in the TigerData standard metadata for items Does not apply to Projects

Diagram



Used by	Element	resource
Model	itemID , alternativeIDs{0,1} , parentProject , dataUsers{0,1} , title{0,1} , description{0,1} , resourceType{0,1} , keywords{0,1} , relations{0,1} , extendedMetadataSchemas{0,1} , languages{0,1} , licenses{0,1} , fundingReferences{0,1} , duaReferences{0,1} , dates{0,1}	
Children	alternativeIDs, dataUsers, dates, description, duaReferences, extendedMetadataSchemas, fundingReferences, itemID, keywords, languages, licenses, parentProject, relations, resourceType, title	
Source	<pre> <xs:group name="itemFields"> <xs:annotation> <xs:documentation xml:lang="en">A group of all elements/groups included in the TigerData standard metadata for items</xs:documentation> <xs:documentation xml:lang="en">Does not apply to Projects</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="itemID" minOccurs="1" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The unique identifier for the item</xs:documentation> <xs:documentation xml:lang="en">TigerData items use Mediaflux Asset IDs as their primary identifiers</xs:documentation> <xs:documentation xml:lang="en">If an item also has any other IDs, they all should be included under alternativeIDs</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="mediafluxAssetIDType"> <xs:attribute name="itemIDType" fixed="MFAID"> <xs:annotation> <xs:documentation xml:lang="en">Makes explicit that itemID is always given as a Mediaflux Asset ID</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute ref="inherited" fixed="false"/> <xs:attribute ref="discoverable" fixed="false"/> <xs:attribute ref="trackingLevel" fixed="InternalUseOnly"/> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element> <xs:element ref="alternativeIDs" minOccurs="0" maxOccurs="1"/> <xs:element ref="parentProject" minOccurs="1" maxOccurs="1"/> <xs:element ref="dataUsers" minOccurs="0" maxOccurs="1"/> <xs:element ref="title" minOccurs="0" maxOccurs="1"/> <xs:element ref="description" minOccurs="0" maxOccurs="1"/> <xs:element ref="resourceType" minOccurs="0" maxOccurs="1"/> <xs:group ref="supplementalMetadata"/> <xs:element ref="languages" minOccurs="0" maxOccurs="1"/> <xs:element ref="licenses" minOccurs="0" maxOccurs="1"/> <xs:element ref="fundingReferences" minOccurs="0" maxOccurs="1"/> <xs:element ref="duaReferences" minOccurs="0" maxOccurs="1"/> <xs:element ref="dates" minOccurs="0" maxOccurs="1"/> </xs:sequence> </xs:group></pre>	

Namespace: "http://www.w3.org/XML/1998/namespace"

Schema(s)

Imported schema `xml.xsd`

Namespace	http://www.w3.org/XML/1998/namespace
Annotations	<p>See http://www.w3.org/XML/1998/namespace.html and http://www.w3.org/TR/REC-xml for information about this namespace.</p> <p>This schema document describes the XML namespace, in a form suitable for import by other schema documents.</p> <p>Note that local names in this namespace are intended to be defined only by the World Wide Web Consortium or its subgroups. The following names are currently defined in this namespace and should not be used with conflicting semantics by any Working Group, specification, or document instance:</p> <p>base (as an attribute name): 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><code>id</code> (as an attribute name): denotes an attribute whose value should be interpreted as if declared to be of type <code>ID</code>. This name is reserved by virtue of its definition in the <code>xml:id</code> specification.</p> <p><code>lang</code> (as an attribute name): 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> <p><code>space</code> (as an attribute name): 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> <p><code>Father</code> (in any context at all): denotes Jon Bosak, the chair of the original XML Working Group. This name is reserved by the following decision of the W3C XML Plenary and XML Coordination groups:</p> <pre>In appreciation for his vision, leadership and dedication the W3C XML Plenary on this 10th day of February, 2000 reserves for Jon Bosak in perpetuity the XML name xml:Father</pre> <p>This schema defines attributes and an attribute group suitable for use by schemas wishing to allow <code>xml:base</code>, <code>xml:lang</code>, <code>xml:space</code> or <code>xml:id</code> attributes on elements they define.</p> <p>To enable this, such a schema must import this schema for the XML namespace, e.g. as follows:</p> <pre><schema . . .> . . <import namespace="http://www.w3.org/XML/1998/namespace" schemaLocation="http://www.w3.org/2001/xml.xsd"/></pre> <p>Subsequently, qualified reference to any of the attributes or the group defined below will have the desired effect, e.g.</p> <pre><type . . .> . . <attributeGroup ref="xml:specialAttrs"/></pre> <p>will define a type which will schema-validate an instance element with any of those attributes</p> <p>In keeping with the XML Schema WG's standard versioning policy, this schema document will persist at http://www.w3.org/2007/08/xml.xsd. At the date of issue it can also be found at http://www.w3.org/2001/xml.xsd. The schema document at that URI may however change in the future, in order to remain compatible with the latest version of XML Schema itself, or with the XML namespace itself. In other words, if the XML Schema or XML namespaces change, the version of this document at http://www.w3.org/2001/xml.xsd will change accordingly; the version at http://www.w3.org/2007/08/xml.xsd will not change.</p>
Properties	<p>attribute form default: unqualified</p> <p>element form default: unqualified</p>

Attribute(s)

Attribute @`xml:lang`

Namespace	http://www.w3.org/XML/1998/namespace
Annotations	<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. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/lang-tag-apps.htm for further information.</p> <p>The union allows for the 'un-declaration' of <code>xml:lang</code> with the empty string.</p>
Type	<code>union of(xs:language, restriction of xs:string)</code>

Properties	content:	simple
Used by	Complex Type	textType
	Attribute Group	xml:specialAttrs
Source	<pre><xs:attribute name="lang"> <xs:annotation> <xs:documentation>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. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/lang-tag-apps.htm for further information. The union allows for the 'un-declaration' of xml:lang with the empty string.</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 @xml:space

Namespace	http://www.w3.org/XML/1998/namespace	
Type	restriction of xs:NCName	
Properties	content: simple	
Facets	enumeration default	
	enumeration preserve	
Used by	Attribute Group xml:specialAttrs	
Source	<pre><xs:attribute name="space"> <xs:simpleType> <xs:restriction base="xs:NCName"> <xs:enumeration value="default" /> <xs:enumeration value="preserve" /> </xs:restriction> </xs:simpleType> </xs:attribute></pre>	

Attribute @xml:base

Namespace	http://www.w3.org/XML/1998/namespace	
Annotations	See http://www.w3.org/TR/xmlbase/ for information about this attribute.	
Type	xs:anyURI	
Properties	content: simple	
Used by	Attribute Group xml:specialAttrs	
Source	<pre><xs:attribute name="base" type="xs:anyURI"> <xs:annotation> <xs:documentation>See http://www.w3.org/TR/xmlbase/ for information about this attribute.</xs:documentation> </xs:annotation> </xs:attribute></pre>	

Attribute @xml:id

Namespace	http://www.w3.org/XML/1998/namespace	
Annotations	See http://www.w3.org/TR/xml-id/ for information about this attribute.	
Type	xs:ID	
Properties	content: simple	
Used by	Attribute Group xml:specialAttrs	
Source	<pre><xs:attribute name="id" type="xs:ID"></pre>	

```

<xs:annotation>
  <xs:documentation>See http://www.w3.org/TR/xml-id/ for information about this attribute.</
  xs:documentation>
</xs:annotation>
</xs:attribute>

```

Attribute Group(s)

Attribute Group `xml:specialAttrs`

Namespace	http://www.w3.org/XML/1998/namespace																														
Diagram	<pre> graph TD A[@ xml:base] --> B[See http://www.w3.org/TR/xmlbase/ for information about this attribute.] A[@ xml:id] --> C[See http://www.w3.org/TR/xml-id/ for information about this attribute.] A[@ xml:lang] --> D[Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going...] A[@ xml:space] --> E </pre>																														
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td><code>xml:base</code></td><td><code>xs:anyURI</code></td><td>optional</td></tr> <tr> <td></td><td colspan="3">See http://www.w3.org/TR/xmlbase/ for information about this attribute.</td></tr> <tr> <td><code>xml:id</code></td><td><code>xs:ID</code></td><td>optional</td></tr> <tr> <td></td><td colspan="3">See http://www.w3.org/TR/xml-id/ for information about this attribute.</td></tr> <tr> <td><code>xml:lang</code></td><td><code>union of(xs:language, restriction of xs:string)</code></td><td>optional</td></tr> <tr> <td></td><td colspan="3"> 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. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/lang-tag-apps.htm for further information. The union allows for the 'un-declaration' of <code>xml:lang</code> with the empty string. </td></tr> <tr> <td></td><td><code>xml:space</code></td><td><code>restriction of xs:NCName</code></td><td>optional</td></tr> </tbody> </table>	QName	Type	Use	<code>xml:base</code>	<code>xs:anyURI</code>	optional		See http://www.w3.org/TR/xmlbase/ for information about this attribute.			<code>xml:id</code>	<code>xs:ID</code>	optional		See http://www.w3.org/TR/xml-id/ for information about this attribute.			<code>xml:lang</code>	<code>union of(xs:language, restriction of xs:string)</code>	optional		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. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/lang-tag-apps.htm for further information. The union allows for the 'un-declaration' of <code>xml:lang</code> with the empty string.				<code>xml:space</code>	<code>restriction of xs:NCName</code>	optional		
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