

Schema documentation for TigerData_StandardMetadataSchema_v1.0.xsd

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Namespace: ""

Schema(s)

Main schema TigerData_StandardMetadataSchema_v1.0.xsd

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

Element(s)

Element userType / netID

Namespace	No namespace
Annotations	The Princeton 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	
Type	netIDType
Properties	content: simple minOccurs: 0 maxOccurs: 1
Facets	pattern [a-zA-Z0-9]{2,8}
Source	<pre><xs:element name="netID" type="netIDType" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The Princeton 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></pre>

Element userType / PUID

Namespace	No namespace
Annotations	The Princeton University ID (aka Student ID, Employee ID, EMPLID, Princeton ID, or PUID) is a unique nine digit identifier assigned to an individual who has an official affiliation with the University.
Diagram	
Type	puidType
Properties	content: simple minOccurs: 0

	maxOccurs:	1
Facets	pattern	[0-9]{9}
Source	<pre><xs:element name="PUID" type="puidType" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The Princeton University ID (aka Student ID, Employee ID, EMPLID, Princeton ID, or PUID) is a unique nine digit identifier assigned to an individual who has an official affiliation with the University.</xs:documentation> </xs:annotation> </xs: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>> } class xsanyURI { <<xs:anyURI>> } orcid "0..1" -- "1..1" xsanyURI xsanyURI <<Built-in primitive type. The anyURI datatype represents a Uniform Resource Identifier Reference (URI).>> </pre> <p>The ORCID ID URL for the person in a given role, if available and if verified as valid against the ORCID API upon entry.</p>						
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><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></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, if available.						
Diagram	<pre> classDiagram class fullName { <<limitedTextType>> } class limitedTextType { <<Specification for the practical limit for text values within textType>> } fullName "0..1" -- "1..1" limitedTextType limitedTextType <<Specification for the practical limit for text values within textType>> </pre> <p>The full name of the person in a given role, verified in the format family-comma-given and matching the corresponding...</p>						
Type	limitedTextType						
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>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>1000</td> </tr> </table>	minLength	1	maxLength	1000		
minLength	1						
maxLength	1000						
Source	<pre><xs:element name="fullName" type="limitedTextType" 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, if available.</xs:documentation> </xs:annotation> </xs:element></pre>						

Element userType / givenName

Namespace	No namespace
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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	limitedTextType						
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td> <td style="padding: 2px;">simple</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:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">minLength</td> <td style="padding: 2px;">1</td> </tr> <tr> <td style="padding: 2px;">maxLength</td> <td style="padding: 2px;">1000</td> </tr> </table>	minLength	1	maxLength	1000		
minLength	1						
maxLength	1000						
Source	<pre><xs:element name="givenName" type="limitedTextType" 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	limitedTextType						
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td> <td style="padding: 2px;">simple</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:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">minLength</td> <td style="padding: 2px;">1</td> </tr> <tr> <td style="padding: 2px;">maxLength</td> <td style="padding: 2px;">1000</td> </tr> </table>	minLength	1	maxLength	1000		
minLength	1						
maxLength	1000						
Source	<pre><xs:element name="familyName" type="limitedTextType" 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.						
Diagram							
Type	dateOrRangeType						
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td> <td style="padding: 2px;">simple</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:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

Facets	pattern	\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]))?
Source		<pre><xs:element name="nameDate" type="dateOrRangeType" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The date at which the name metadata was recorded.</ 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 { <<Records alternative (non-ORCID) identifier(s) for the person in a given role.>> <<@nameIdentifierSchema : limitedTextType<> <<@schemaURI : xs:anyURI<> } xs:string "Built-in primitive type. The string datatype represents character strings in XML." alternativeNameIdentifier "Type Extension of 'xs:string'" --> xs:string </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>100</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	100									
content:	complex															
minOccurs:	0															
maxOccurs:	100															
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>nameIdentifierSchema</td> <td>limitedTextType</td> <td>required</td> </tr> <tr> <td></td> <td></td> <td>The name of the schema to which the name identifier belongs (required when an alternative name identifier is given).</td> </tr> <tr> <td>schemaURI</td> <td>xs:anyURI</td> <td>required</td> </tr> <tr> <td></td> <td></td> <td>The URI of the schema to which the name identifier belongs (required when an alternative name identifier is given).</td> </tr> </tbody> </table>	QName	Type	Use	nameIdentifierSchema	limitedTextType	required			The name of the schema to which the name identifier belongs (required when an alternative name identifier is given).	schemaURI	xs:anyURI	required			The URI of the schema to which the name identifier belongs (required when an alternative name identifier is given).
QName	Type	Use														
nameIdentifierSchema	limitedTextType	required														
		The name of the schema to which the name identifier belongs (required when an alternative name identifier is given).														
schemaURI	xs:anyURI	required														
		The URI of the schema 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="nameIdentifierSchema" type="limitedTextType" use="required"> <xs:annotation> <xs:documentation xml:lang="en">The name of the schema to which the name identifier belongs (required when an alternative name identifier is given).</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute name="schemaURI" type="xs:anyURI" use="required"> <xs:annotation> <xs:documentation xml:lang="en">The URI of the schema 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> classDiagram class quantityType { attribute size : xs:decimal } xs:decimal < -- size note over size: Built-in primitive type. The decimal datatype represents arbitrary precision decimal numbers. </pre>						
Type	xs:decimal						
Properties	<table> <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						
Diagram	<pre> classDiagram class quantityType { attribute unit : xs:string } xs:string < -- unit note over unit: Built-in primitive type. The string datatype represents character strings in XML. </pre>						
Type	xs:string						
Properties	<table> <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</xs:documentation> <xs:annotation> <xs:documentation xml:lang="en">The standardized unit of measure for the quantity</xs:documentation> </xs:annotation> </xs:annotation> </xs:element> </pre>						

Element storageQuantityType / size

Namespace	No namespace		
Annotations	<p>The numeric size of the storage quantity</p> <p>The practical limits for floating point values set by Mediaflux are the range [4.9E-324,1.7976931348623157E308]</p>		
Diagram	<pre> classDiagram class storageQuantityType { attribute size : xs:decimal } xs:decimal < -- size note over size: Built-in primitive type. The decimal datatype represents arbitrary precision decimal numbers. </pre>		
Type	xs:decimal		
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> </table>	content:	simple
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 storage 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 storageQuantityType / unit

Namespace	No namespace	
Annotations	The logical byte unit for the storage quantity (base-10)	
Diagram		
Type	byteUnitType	
Properties	content: simple minOccurs: 1 maxOccurs: 1	
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)	
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 (base-10)</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), given as a string May apply to either Projects or Items Modeled after the DataCite definition for RelatedIdentifier (v4.6+)	
Diagram		

Type	extension of limitedTextType				
Type hierarchy	<ul style="list-style-type: none"> • xs:string • limitedTextType 				
Properties	content: complex				
Used by	Element alternativeIDs				
Attributes	QName alternativeIDType	Type limitedTextType	Default	Use required	
	A simple description of the alternative ID type (e.g. "Local accession number")				
	inherited	Type xs:boolean	Default false	Use optional	
	Standard attribute to specify whether a given field's value should be inherited by any 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), given as a string</xs:documentation> <xs:documentation xml:lang="en">May apply to either Projects or Items</xs:documentation> <xs:documentation xml:lang="en">Modeled after the DataCite definition for RelatedIdentifier (v4.6+)</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

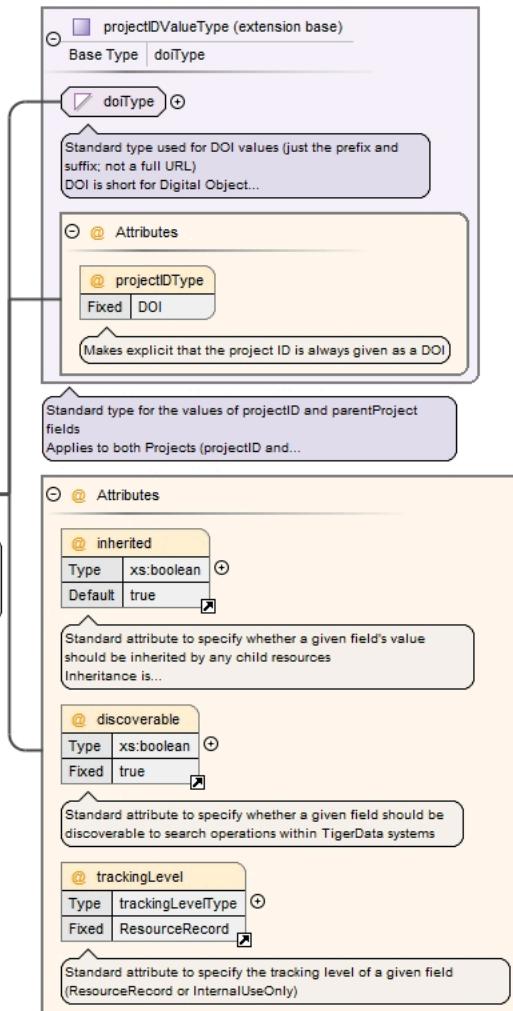
Namespace	No namespace	
Annotations	<p>The container element for all alternative IDs for a resource</p> <p>May apply to either Projects or Items</p> <p>If this element is present, then it should contain at least one sub-element</p>	
Diagram	<pre> classDiagram class alternativeIDs { @discoverable Type xs:boolean Default true Note "Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems" @trackingLevel Type trackingLevelType Fixed ResourceRecord Note "Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)" 1..100 alternativeID Type Extension of 'limitedTextType' Note "An alternative identifier for the resource (not the standard TigerData projectID or itemID), given as a string May..." } </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	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			
	trackingLevel	trackingLevelType	ResourceRecord		optional
		Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)			
Source	<pre><xss:element name="alternativeIDs"> <xss:annotation> <xss:documentation xml:lang="en">The container element for all alternative IDs for a resource</xss:documentation> <xss:documentation xml:lang="en">May apply to either Projects or Items</xss:documentation> <xss:documentation xml:lang="en">If this element is present, then it should contain at least one sub-element</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></pre>				

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



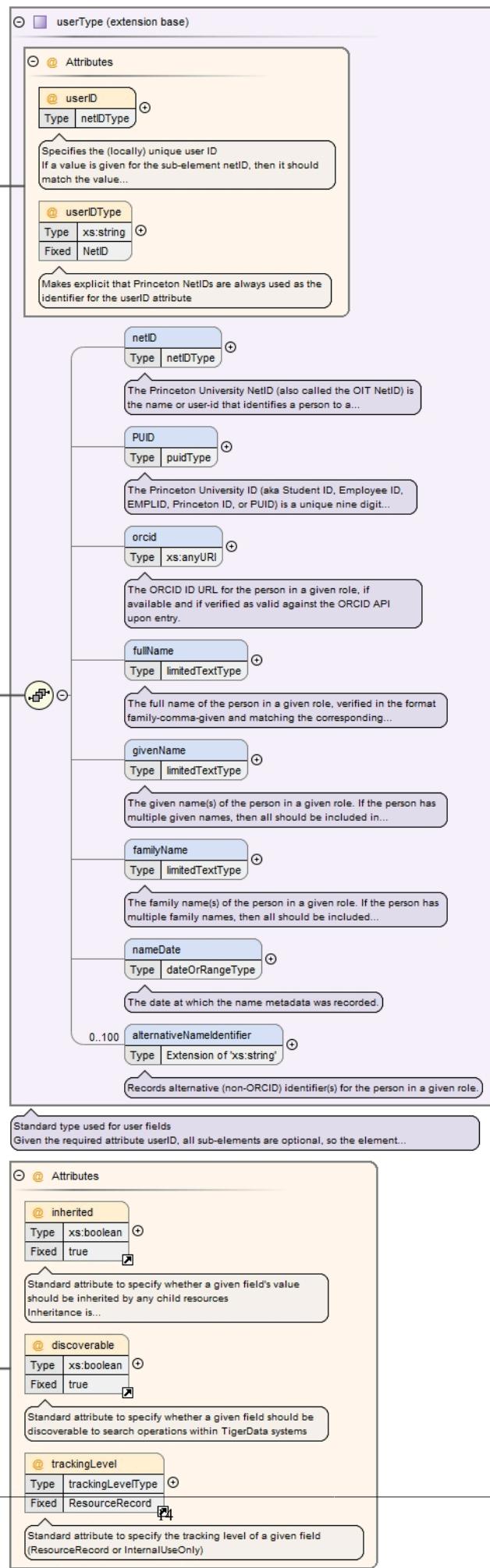
Type	extension of projectIDValueType				
Type hierarchy	<ul style="list-style-type: none"> xs:string doiType projectIDValueType 				
Properties	content: complex				
Used by	Element Groups itemFields, projectFields				
Attributes	QName	Type	Fixed	Default	Use
	discoverable	xs:boolean	true		optional
		Standard 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 any 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)			
Source	<pre><xs:element name="parentProject"> <xs:annotation></pre>				

```
<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>
```

Element dataSponsor

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

Diagram

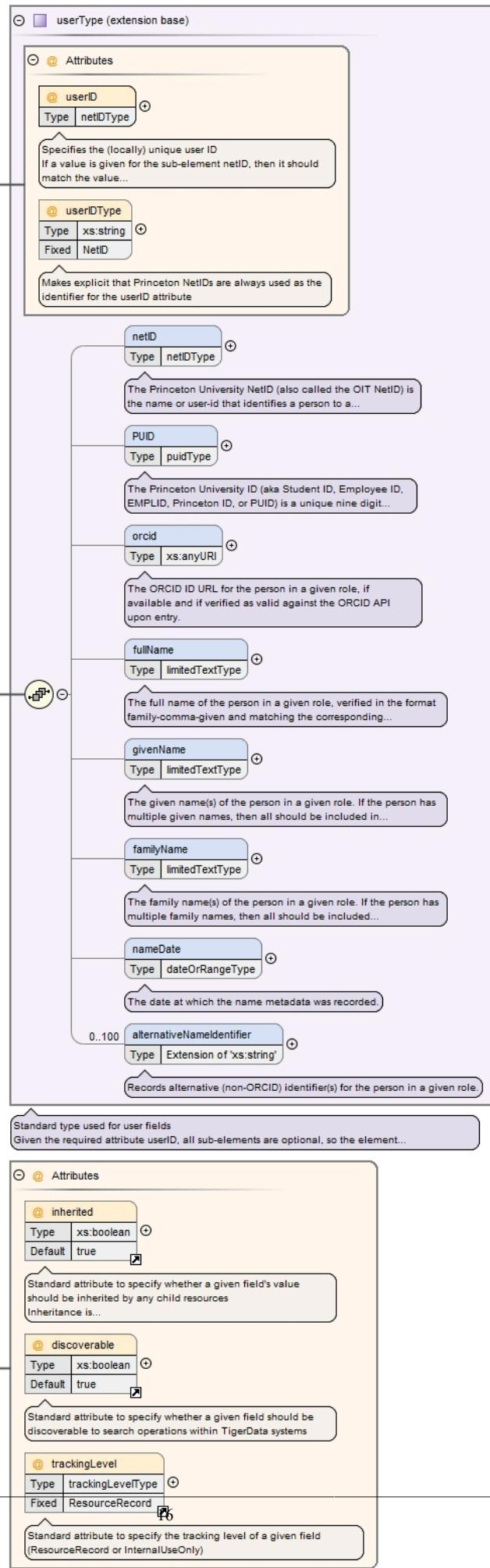


Type	extension of userType			
Type hierarchy	<ul style="list-style-type: none"> • userType 			
Properties	content: complex			
Used by	Element Group projectRoles			
Model	netID{0,1} , PUID{0,1} , orcid{0,1} , fullName{0,1} , givenName{0,1} , familyName{0,1} , nameDate{0,1} , alternativeNameIdentifier{0,100}			
Children	PUID, alternativeNameIdentifier, familyName, fullName, givenName, nameDate, netID, orcid			
Instance	<pre><dataSponsor discoverable="true" inherited="true" trackingLevel="ResourceRecord" userID="" userIDType="NetID"> <netID>{0,1}</netID> <PUID>{0,1}</PUID> <orcid>{0,1}</orcid> <fullName>{0,1}</fullName> <givenName>{0,1}</givenName> <familyName>{0,1}</familyName> <nameDate>{0,1}</nameDate> <alternativeNameIdentifier nameIdentifierSchema="" schemaURI="">{0,100}</ alternativeNameIdentifier> </dataSponsor></pre>			
Attributes	QName discoverable inherited trackingLevel userID userIDType	Type	Fixed	Use
		xs:boolean	true	optional
		Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems		
		xs:boolean	true	optional
		Standard attribute to specify whether a given field's value should be inherited by any 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)		
		trackingLevelType	ResourceRecord	optional
		Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)		
		netIDType		required
Source	<pre><xs:element name="dataSponsor"> <xs:annotation> <xs:documentation xml:lang="en">The person who takes primary responsibility for the project</ xs:documentation> <xs:documentation xml:lang="en">Does not apply to Items</xs:documentation> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:extension base="userType"> <xs:attribute ref="inherited" fixed="true"/> <xs:attribute ref="discoverable" fixed="true"/> <xs:attribute ref="trackingLevel" fixed="ResourceRecord"/> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element></pre>			

Element dataManager

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

Diagram

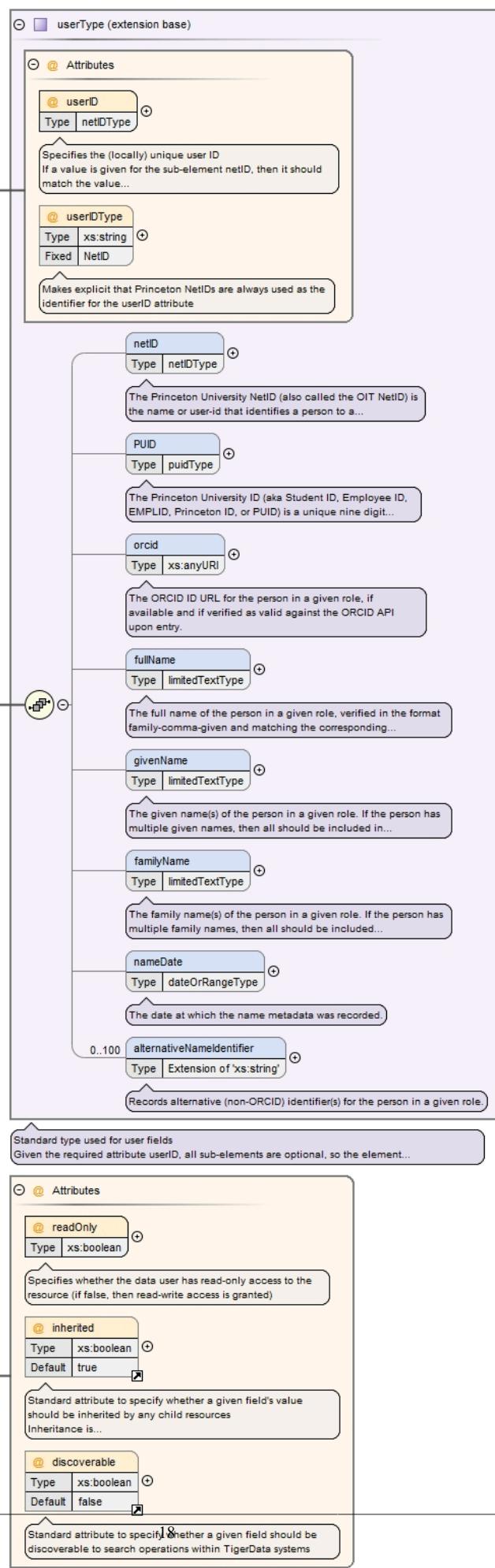


Type	extension of userType				
Type hierarchy	<ul style="list-style-type: none"> • userType 				
Properties	content: complex				
Used by	Element Group projectRoles				
Model	netID{0,1} , PUID{0,1} , orcid{0,1} , fullName{0,1} , givenName{0,1} , familyName{0,1} , nameDate{0,1} , alternativeNameIdentifier{0,100}				
Children	PUID, alternativeNameIdentifier, familyName, fullName, givenName, nameDate, netID, orcid				
Instance	<pre><dataManager discoverable="true" inherited="true" trackingLevel="ResourceRecord" userID="" userIDType="NetID"> <netID>{0,1}</netID> <PUID>{0,1}</PUID> <orcid>{0,1}</orcid> <fullName>{0,1}</fullName> <givenName>{0,1}</givenName> <familyName>{0,1}</familyName> <nameDate>{0,1}</nameDate> <alternativeNameIdentifier nameIdentifierSchema="" schemaURI="">{0,100}</ alternativeNameIdentifier> </dataManager></pre>				
Attributes	QName discoverable inherited trackingLevel userID userIDType	Type xs:boolean xs:boolean xs:boolean trackingLevelType netIDType xs:string	Fixed 	Default true true ResourceRecord 	Use optional optional optional optional required
	<p>Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems</p> <p>Standard attribute to specify whether a given field's value should be inherited by any child resources</p> <p>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> <p>Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)</p> <p>Specifies the (locally) unique user ID</p> <p>If a value is given for the sub-element netID, then it should match the value given for userID</p> <p>Makes explicit that Princeton NetIDs are always used as the identifier for the userID attribute</p>				
Source	<pre><xs:element name="dataManager"> <xs:annotation> <xs:documentation xml:lang="en">The person who manages the day-to-day activities for the project</xs:documentation> <xs:documentation xml:lang="en">Does not apply to Items</xs:documentation> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:extension base="userType"> <xs:attribute ref="inherited" default="true"/> <xs:attribute ref="discoverable" default="true"/> <xs:attribute ref="trackingLevel" fixed="ResourceRecord"/> </xs:extension> </xs:complexContent> </xs:complexType> </xs: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	<ul style="list-style-type: none"> • userType 				
Properties	content: complex				
Used by	Element dataUsers				
Model	netID{0,1} , PUID{0,1} , orcid{0,1} , fullName{0,1} , givenName{0,1} , familyName{0,1} , nameDate{0,1} , alternativeNameIdentifier{0,100}				
Children	PUID, alternativeNameIdentifier, familyName, fullName, givenName, nameDate, netID, orcid				
Instance	<pre><dataUser discoverable="false" inherited="true" readOnly="" userID="" userIDType="NetID"> <netID>{0,1}</netID> <PUID>{0,1}</PUID> <orcid>{0,1}</orcid> <fullName>{0,1}</fullName> <givenName>{0,1}</givenName> <familyName>{0,1}</familyName> <nameDate>{0,1}</nameDate> <alternativeNameIdentifier nameIdentifierSchema="" schemaURI="">{0,100}</ alternativeNameIdentifier> </dataUser></pre>				
Attributes	QName discoverable inherited readOnly userID userIDType	Type	Fixed	Default	Use
		xs:boolean		false	optional
		Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems			
		xs:boolean		true	optional
		Standard attribute to specify whether a given field's value should be inherited by any 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)			
		xs:boolean			required
		Specifies whether the data user has read-only access to the resource (if false, then read-write access is granted)			
Source	<pre><xs:element name="dataUser"> <xs:annotation> <xs:documentation xml:lang="en">A person who has access privileges to the resource</ xs:documentation> <xs:documentation xml:lang="en">May apply to either Projects or Items</xs:documentation> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:extension base="userType"> <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> </xs:annotation> </xs:attribute> <xs:attribute ref="inherited" default="true"/> <xs:attribute ref="discoverable" default="false"/> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element></pre>				

Element dataUsers

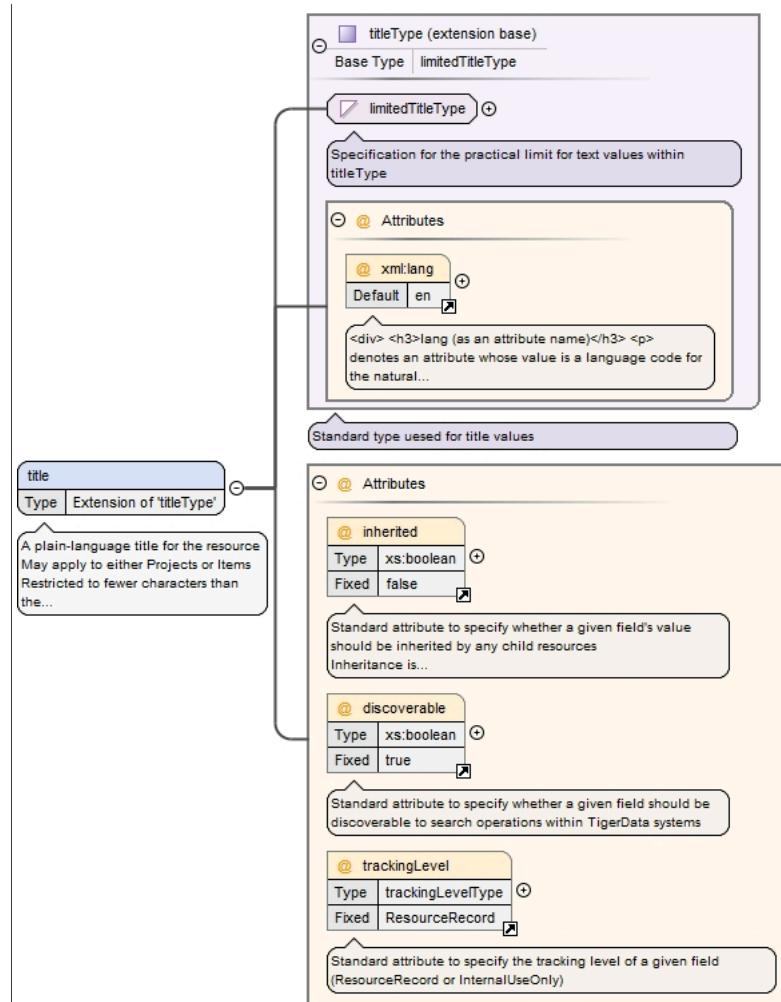
Namespace	No namespace
Annotations	The container element for all data users of a resource May apply to either Projects or Items

	If this element is present, then it should contain at least one sub-element												
Diagram	<pre> classDiagram class dataUsers { @ trackingLevel Type trackingLevelType Fixed ResourceRecord } class dataUser { Type Extension of 'userType' } dataUsers "1..100" -- "dataUser" note over dataUsers: The container element for all data users of a resource note over dataUser: A person who has access privileges to the resource </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> <xss:element name="dataUsers"> <xss:annotation> <xss:documentation xml:lang="en">The container element for all data users of a resource</ xss:documentation> <xss:documentation xml:lang="en">May apply to either Projects or Items</xss:documentation> <xss:documentation xml:lang="en">If this element is present, then it should contain at least one sub-element</xss:documentation> </xss:annotation> <xss:complexType> <xss:sequence> <xss:element ref="dataUser" minOccurs="1" maxOccurs="100"/> </xss:sequence> <xss:attribute ref="trackingLevel" fixed="ResourceRecord"/> </xss:complexType> </xss: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> <p>Restricted to fewer characters than the typical free-text limitations</p>

Diagram



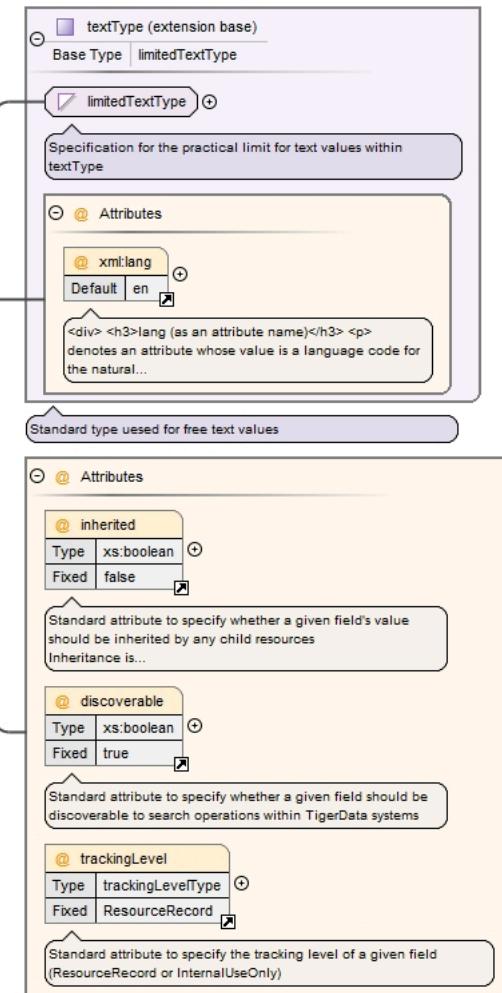
Type	extension of <code>titleType</code>																																																										
Type hierarchy	<ul style="list-style-type: none"> • <code>xs:string</code> <ul style="list-style-type: none"> • <code>limitedTitleType</code> • <code>titleType</code> 																																																										
Properties	content: complex																																																										
Used by	Element Groups itemFields, projectDescription																																																										
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><code>xs:boolean</code></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><code>xs:boolean</code></td><td>false</td><td></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 any 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>trackingLevel</td><td><code>trackingLevelType</code></td><td><code>ResourceRecord</code></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> <tr> <td>xml:lang</td><td>union of(<code>xs:language</code>, restriction of <code>xs:string</code>)</td><td></td><td><code>en</code></td><td>optional</td><td></td></tr> <tr> <td></td><td colspan="5"><div><h3>lang (as an attribute name)</h3></td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use		discoverable	<code>xs:boolean</code>	true		optional			Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems					inherited	<code>xs:boolean</code>	false		optional			Standard attribute to specify whether a given field's value should be inherited by any 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>	<code>ResourceRecord</code>		optional			Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)					xml:lang	union of(<code>xs:language</code> , restriction of <code>xs:string</code>)		<code>en</code>	optional			<div><h3>lang (as an attribute name)</h3>								
QName	Type	Fixed	Default	Use																																																							
discoverable	<code>xs:boolean</code>	true		optional																																																							
	Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems																																																										
inherited	<code>xs:boolean</code>	false		optional																																																							
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trackingLevel	<code>trackingLevelType</code>	<code>ResourceRecord</code>		optional																																																							
	Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)																																																										
xml:lang	union of(<code>xs:language</code> , restriction of <code>xs:string</code>)		<code>en</code>	optional																																																							
	<div><h3>lang (as an attribute name)</h3>																																																										

QName	Type	Fixed	Default	Use
	<p><p>denotes an attribute whose value is a language code for the natural language of the content of any element; its value is inherited. This name is reserved by virtue of its definition in the XML specification.</p></p> <pre></div> <div> <h4>Notes</h4> <p>Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility.</p> <p>See BCP 47 at http://www.rfc- editor.org/rfc/bcp/bcp47.txtand the IANA language subtag registry at http://www.iana.org/assignments/language-subtag-registryfor further information.</p> <p>The union allows for the 'un-declaration' of xml:lang with the empty string.</p> </div></pre>			
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:documentation xml:lang="en">Restricted to fewer characters than the typical free-text limitations</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="titleType"> <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



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 any 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
	<div><h3>lang (as an attribute name)</h3>				

QName	Type	Fixed	Default	Use
	<p><p>denotes an attribute whose value is a language code for the natural language of the content of any element; its value is inherited. This name is reserved by virtue of its definition in the XML specification.</p></p> <p></div></p> <p><div></p> <p style="padding-left: 2em;"><h4>Notes</h4></p> <p style="padding-left: 2em;"><p>Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility.</p></p> <p style="padding-left: 2em;"><p>See BCP 47 at http://www.rfc-editor.org/rfc/bcp/bcp47.txt and the IANA language subtag registry at http://www.iana.org/assignments/language-subtag-registry for further information.</p></p> <p style="padding-left: 2em;"><p>The union allows for the 'un-declaration' of xml:lang with the empty string.</p></p> <p></div></p>			
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	<p>Language declaration for the contents of the resource</p> <p>May apply to either Projects or Items</p>												
Diagram													
Type	extension of xs:language												
Properties	content: complex												
Used by	Element languages												
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"> <p>Standard attribute to specify whether a given field's value should be inherited by any child resources</p> <p>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> </td></tr> </tbody> </table>	QName	Type	Default	Use	inherited	xs:boolean	true	optional		<p>Standard attribute to specify whether a given field's value should be inherited by any child resources</p> <p>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	Default	Use										
inherited	xs:boolean	true	optional										
	<p>Standard attribute to specify whether a given field's value should be inherited by any child resources</p> <p>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>												
Source	<pre><xs:element name="language"> <xs:annotation> <xs:documentation xml:lang="en">Language declaration for the contents of the resource</xs:documentation></pre>												

```

<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>

```

Element languages

Namespace	No namespace																				
Annotations	<p>The container element for all languages for a resource</p> <p>May apply to either Projects or Items</p> <p>If this element is present, then it should contain at least one sub-element</p>																				
Diagram	<pre> classDiagram class languages { @discoverable @trackingLevel 1..100 language } languages < -- language </pre> <p>The container element for all languages for a resource May apply to either Projects or Items If this element is...</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>Language declaration for the contents of the resource May apply to either Projects or Items</p>																				
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> </tr> </thead> <tbody> <tr> <td>discoverable</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 should be discoverable to search operations within TigerData systems</td> <td></td> </tr> <tr> <td>trackingLevel</td> <td>trackingLevelType</td> <td>ResourceRecord</td> <td>optional</td> </tr> <tr> <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	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> <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:documentation xml:lang="en">If this element is present, then it should contain at least one sub-element</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> </pre>																				

Element fundingReference

Namespace	No namespace																				
Annotations	<p>Information about financial support for the resource (at minimum, a name for the funding provider)</p> <p>This is most often used to acknowledge grant funding for research projects, but it may also be used to specify any other funding sources for any type of resource</p> <p>May apply to either Projects or Items</p> <p>Derived from the DataCite definitions for FundingReference (v4.6+)</p> <p>https://datacite-metadata-schema.readthedocs.io/en/4.6/properties/fundingreference/</p>																				
Diagram	<pre> classDiagram class fundingReference { @federalFunder : xs:boolean @inherited : xs:boolean <>fundingReference } class fundingReference { <>fundingReference 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 federalFunder="false" inherited="true"> <funderName xml:lang="en">{1,1}</funderName> <funderID funderIDSchema="https://ror.org/" funderIDType="ROR">{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>federalFunder</td> <td>xs:boolean</td> <td>false</td> <td>optional</td> </tr> <tr> <td></td> <td>Whether the funder is part of the U.S. federal government (default false) If true, then the federallyFunded attribute for funded should also be true</td> <td></td> <td></td> </tr> <tr> <td>inherited</td> <td>xs:boolean</td> <td>true</td> <td>optional</td> </tr> <tr> <td></td> <td>Standard attribute to specify whether a given field's value should be inherited by any child resources</td> <td></td> <td></td> </tr> </tbody> </table>	QName	Type	Default	Use	federalFunder	xs:boolean	false	optional		Whether the funder is part of the U.S. federal government (default false) If true, then the federallyFunded attribute for funded should also be true			inherited	xs:boolean	true	optional		Standard attribute to specify whether a given field's value should be inherited by any child resources		
QName	Type	Default	Use																		
federalFunder	xs:boolean	false	optional																		
	Whether the funder is part of the U.S. federal government (default false) If true, then the federallyFunded attribute for funded should also be true																				
inherited	xs:boolean	true	optional																		
	Standard attribute to specify whether a given field's value should be inherited by any child resources																				

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)		
Source	<pre> <xs:element name="fundingReference"> <xs:annotation> <xs:documentation xml:lang="en">Information about financial support for the resource (at minimum, a name for the funding provider)</xs:documentation> <xs:documentation xml:lang="en">This is most often used to acknowledge grant funding for research projects, but it may also be used to specify any other funding sources for any type of 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 definitions for FundingReference (v4.6+)</xs:documentation> <xs:documentation>https://datacite-metadata-schema.readthedocs.io/en/4.6/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:documentation xml:lang="en">If the funding provider is part of the U.S. federal government, then the federalFunder attribute should be set to true</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, if applicable</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="funderIDType" default="ROR"> <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" default="https://ror.org/"> <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:extension> </xs:simpleContent> </xs:complexType> <xs:element name="awardNumber" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">Records the award number for the fundingReference, if applicable</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 name="awardTitle" type="textType" minOccurs="0" maxOccurs="1"> <xs:annotation></pre>		

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<xss:documentation xml:lang="en">Records the title for the fundingReference, if
applicable</xss:documentation>
</xss:annotation>
</xss:element>
</xss:sequence>
<xss:attribute name="federalFunder" type="xs:boolean" default="false">
<xss:annotation>
<xss:documentation xml:lang="en">Whether the funder is part of the U.S. federal government
(default false)</xss:documentation>
<xss:documentation xml:lang="en">If true, then the federallyFunded attribute for funded
should also be true</xss:documentation>
</xss:annotation>
</xss:attribute>
<xss:attribute ref="inherited" default="true"/>
</xss:complexType>
</xss:element>

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Element fundingReference / funderName

Namespace	No namespace												
Annotations	<p>Records the name of the funding provider</p> <p>If the funding provider is part of the U.S. federal government, then the federalFunder attribute should be set to true</p>												
Diagram	<p>The diagram illustrates the inheritance path of the <code>funderName</code> element. It starts with <code>funderName</code> (Type) inheriting from <code>textType</code>. <code>textType</code> is a base type of <code>limitedTextType</code>, which is itself a base type of <code>textType</code> from the XML namespace. A callout box provides detailed information about the <code>@xml:lang</code> attribute, stating it denotes a language code for the natural language of the content.</p>												
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												
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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> <div> <p><div></p> <p style="margin-left: 2em;"><h3>lang (as an attribute name)</h3></p> <p style="margin-left: 2em;"><p>denotes an attribute whose value is a language code for the natural language of the content of any element; its value is inherited. This name is reserved by virtue of its definition in the XML specification.</p></p> <p></div></p> <p><div></p> <p style="margin-left: 2em;"><h4>Notes</h4></p> <p style="margin-left: 2em;"><p>Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility.</p></p> <p style="margin-left: 2em;"><p>See BCP 47 at</p> <p style="margin-left: 3em;">http://www.rfc-editor.org/rfc/bcp/bcp47.txt and the IANA language subtag registry at</p> <p style="margin-left: 3em;">http://www.iana.org/assignments/language-subtag-registry for further information.</p></p> <p style="margin-left: 2em;"><p>The union allows for the 'un-declaration' of <code>xml:lang</code> with the empty string.</p></p> </div> </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		<div> <p><div></p> <p style="margin-left: 2em;"><h3>lang (as an attribute name)</h3></p> <p style="margin-left: 2em;"><p>denotes an attribute whose value is a language code for the natural language of the content of any element; its value is inherited. This name is reserved by virtue of its definition in the XML specification.</p></p> <p></div></p> <p><div></p> <p style="margin-left: 2em;"><h4>Notes</h4></p> <p style="margin-left: 2em;"><p>Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility.</p></p> <p style="margin-left: 2em;"><p>See BCP 47 at</p> <p style="margin-left: 3em;">http://www.rfc-editor.org/rfc/bcp/bcp47.txt and the IANA language subtag registry at</p> <p style="margin-left: 3em;">http://www.iana.org/assignments/language-subtag-registry for further information.</p></p> <p style="margin-left: 2em;"><p>The union allows for the 'un-declaration' of <code>xml:lang</code> with the empty string.</p></p> </div>		
QName	Type	Default	Use										
<code>xml:lang</code>	union of(xs:language, restriction of xs:string)	en	optional										
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	QName	Type	Default	Use	
Source	<pre><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:documentation xml:lang="en">If the funding provider is part of the U.S. federal government, then the federalFunder attribute should be set to true</xs:documentation> </xs:annotation> </xs:element></pre>				

Element fundingReference / funderID

Namespace	No namespace																				
Annotations	Records the unique identifier for the funding provider, if applicable																				
Diagram	<pre> classDiagram class funderID { <<Extension of 'xs:string'>> <<Records the unique identifier for the funding provider, if applicable>> <<Attributes>> funderIDType : Restriction of 'xs:string' (default ROR) funderIDSchema : xs:anyURI (default https://ror.org) } xs:string < -- funderID note over xs:string: Built-in primitive type. The string datatype represents character strings in XML. note over funderIDType: Records the type of identifier used for funderID note over funderIDSchema: Records the schema that defines funderIDType </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"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>funderIDSchema</td> <td>xs:anyURI</td> <td>https://ror.org/</td> <td>optional</td> </tr> <tr> <td></td> <td></td> <td></td> <td>Records the schema that defines funderIDType</td> </tr> <tr> <td>funderIDType</td> <td>restriction of xs:string</td> <td>ROR</td> <td>optional</td> </tr> <tr> <td></td> <td></td> <td></td> <td>Records the type of identifier used for funderID</td> </tr> </tbody> </table>	QName	Type	Default	Use	funderIDSchema	xs:anyURI	https://ror.org/	optional				Records the schema that defines funderIDType	funderIDType	restriction of xs:string	ROR	optional				Records the type of identifier used for funderID
QName	Type	Default	Use																		
funderIDSchema	xs:anyURI	https://ror.org/	optional																		
			Records the schema that defines funderIDType																		
funderIDType	restriction of xs:string	ROR	optional																		
			Records the type of identifier used for funderID																		
Source	<pre><xs:element name="funderID" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">Records the unique identifier for the funding provider, if applicable</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="funderIDType" default="ROR"> <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:attribute name="funderIDSchema" type="xs:anyURI" default="https://ror.org/"> <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>																				

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</xs:extension>
</xs:simpleContent>
</xs:complexType>
</xs:element>

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Element fundingReference / awardNumber

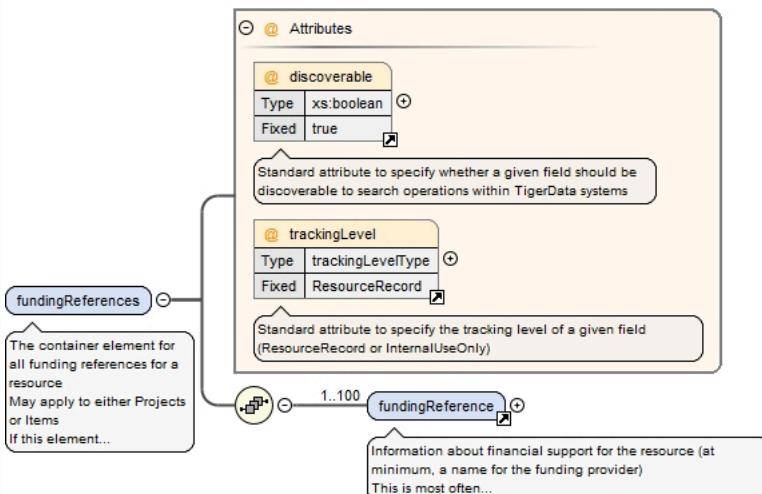
Namespace	No namespace											
Annotations	Records the award number for the fundingReference, if applicable											
Diagram	<pre> classDiagram class awardNumber { <<Extension of 'xs:string'>> <<Records the award number for the fundingReference, if applicable>> } class xsString { <<Built-in primitive type. The string datatype represents character strings in XML.>> } awardNumber < -- xsString xsString "awardURI" : xsAnyURI xsAnyURI <<Records the URI for the awardNumber>> </pre>											
Type	extension of xs:string											
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</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:	complex		minOccurs:	0		maxOccurs:	1	
content:	complex											
minOccurs:	0											
maxOccurs:	1											
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>awardURI</td> <td>xs:anyURI</td> <td>optional</td> </tr> <tr> <td></td> <td></td> <td>Records the URI for the awardNumber</td> </tr> </tbody> </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> <xs:documentation xml:lang="en">Records the award number for the fundingReference, if applicable</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> </pre>											

Element fundingReference / awardTitle

Namespace	No namespace		
Annotations	Records the title for the fundingReference, if applicable		
Diagram	<pre> classDiagram class awardTitle { <<textType>> <<limitedTextType>> <<Specification for the practical limit for text values within textType>> } class textType { <<limitedTextType>> } class limitedTextType { <<Standard type used for free text values>> } awardTitle < -- textType textType < -- limitedTextType limitedTextType "xml:lang" : en en <<Standard type used for free text values>> </pre>		

Type	textType			
Type hierarchy	<ul style="list-style-type: none"> • xs:string • limitedTextType • textType 			
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>			
Attributes	QName xml:lang	Type union of(xs:language, restriction of xs:string)	Default en	Use optional
		<pre><div> <h3>lang (as an attribute name)</h3> <p>denotes an attribute whose value is a language code for the natural language of the content of any element; its value is inherited. This name is reserved by virtue of its definition in the XML specification.</p> </div> <div> <h4>Notes</h4> <p>Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility.</p> <p>See BCP 47 at http://www.rfc-editor.org/rfc/bcp/bcp47.txtand the IANA language subtag registry at http://www.iana.org/assignments/language-subtag-registryfor further information.</p> <p>The union allows for the 'un-declaration' of xml:lang with the empty string.</p> </div></pre>		
Source	<pre><xss:element name="awardTitle" type="textType" minOccurs="0" maxOccurs="1"> <xss:annotation> <xss:documentation xml:lang="en">Records the title for the fundingReference, if applicable</xss:documentation> </xss:annotation> </xss:element></pre>			

Element fundingReferences

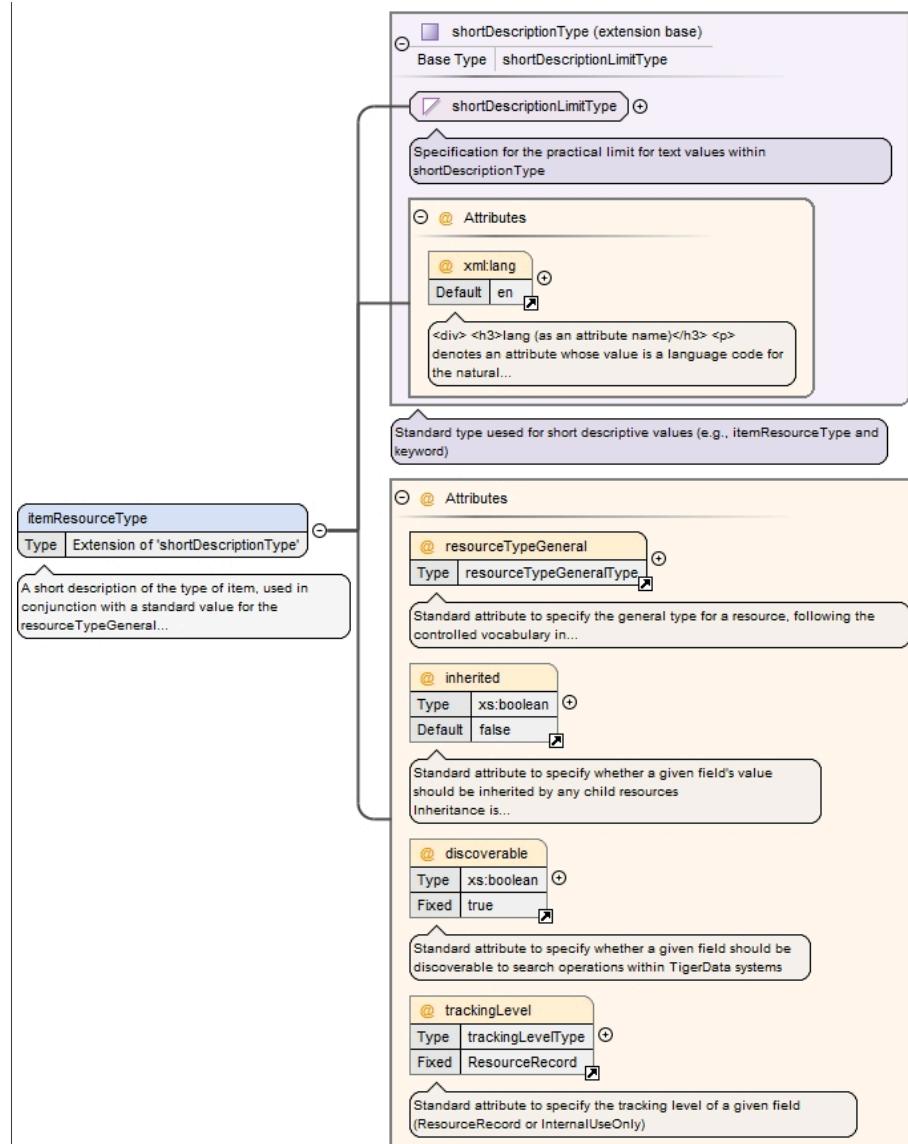
Namespace	No namespace			
Annotations	<p>The container element for all funding references for a resource</p> <p>May apply to either Projects or Items</p> <p>If this element is present, then it should contain at least one sub-element</p>			
Diagram				
Properties	<p>content: complex</p>			
Used by	Element Groups additionalProjectInformation, itemFields			

Model	fundingReference{1,100}			
Children	fundingReference			
Instance	<fundingReferences discoverable="true" trackingLevel="ResourceRecord"> <fundingReference federalFunder="false" inherited="true">{1,100}</fundingReference> </fundingReferences>			
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="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">If this element is present, then it should contain at least one sub-element</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 item ResourceType

Namespace	No namespace
Annotations	<p>A short description of the type of item, used in conjunction with a standard value for the itemTypeGeneral attribute</p> <p>Does not apply to Projects</p> <p>Modeled after the DataCite definition for ResourceType (v4.6+)</p>

Diagram



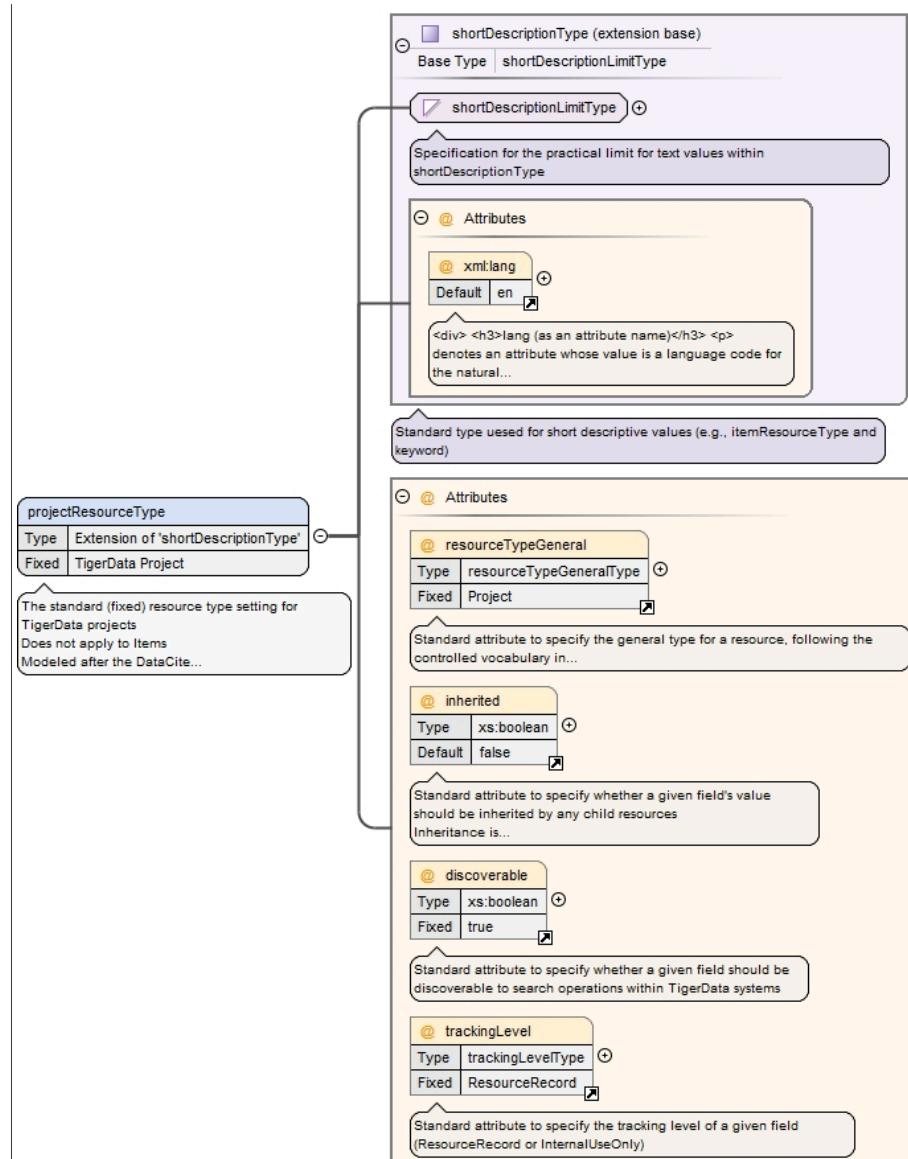
Type	extension of <code>shortDescriptionType</code>				
Type hierarchy	<ul style="list-style-type: none"> • <code>xs:string</code> • <code>shortDescriptionLimitType</code> • <code>shortDescriptionType</code> 				
Properties	content: complex				
Used by	Element Group itemFields				
Attributes	QName	Type	Fixed	Default	Use
	discoverable	<code>xs:boolean</code>	true		optional
		Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems			
	inherited	<code>xs:boolean</code>		false	optional
		Standard attribute to specify whether a given field's value should be inherited by any 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	<code>resourceTypeGeneralType</code>			required
		Standard attribute to specify the general type for a resource, following the controlled vocabulary in <code>resourceTypeGeneralType</code>			

QName	Type	Fixed	Default	Use	
		Derived from the DataCite definition for resourceTypeGeneral (v4.6+)			
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	
		<div> <h3>lang (as an attribute name)</h3> <p>denotes an attribute whose value is a language code for the natural language of the content of any element; its value is inherited. This name is reserved by virtue of its definition in the XML specification.</p> </div> <div> <h4>Notes</h4> <p>Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility.</p> <p>See BCP 47 at http://www.rfc-editor.org/rfc/bcp/bcp47.txtand the IANA language subtag registry at http://www.iana.org/assignments/language-subtag-registryfor further information.</p> <p>The union allows for the 'un-declaration' of xml:lang with the empty string.</p> </div>			
Source	<xs:element name="itemResourceType"> <xs:annotation> <xs:documentation xml:lang="en">A short description of the type of item, used in conjunction with a standard value for the resourceTypeGeneral attribute</xs:documentation> <xs:documentation xml:lang="en">Does not apply to Projects</xs:documentation> <xs:documentation xml:lang="en">Modeled after the DataCite definition for ResourceType (v4.6+)</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="shortDescriptionType"> <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 projectResourceType

Namespace	No namespace
Annotations	The standard (fixed) resource type setting for TigerData projects Does not apply to Items Modeled after the DataCite definition for resourceType (v4.6+)

Diagram



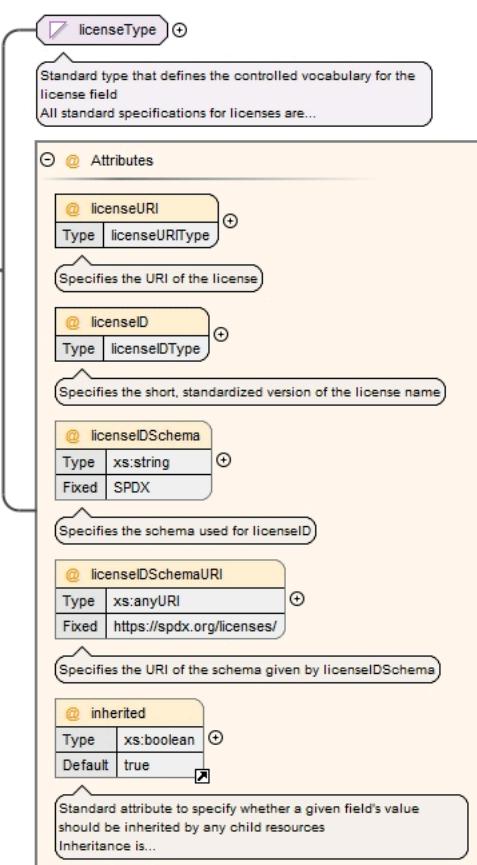
Type	extension of shortDescriptionType				
Type hierarchy	<ul style="list-style-type: none"> • xs:string • shortDescriptionLimitType • shortDescriptionType 				
Properties	<p>content: complex</p> <p>fixed: TigerData Project</p>				
Used by	Element Group additionalProjectInformation				
Attributes	QName	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 any 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	Project		optional

QName	Type	Fixed	Default	Use	
		Standard attribute to specify the general type for a resource, following the controlled vocabulary in resourceTypeGeneralType			
		Derived from the DataCite definition for resourceTypeGeneral (v4.6+)			
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	
	<div> <h3>lang (as an attribute name)</h3> <p>denotes an attribute whose value is a language code for the natural language of the content of any element; its value is inherited. This name is reserved by virtue of its definition in the XML specification.</p> </div> <div> <h4>Notes</h4> <p>Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility.</p> <p>See BCP 47 at http://www.rfc-editor.org/rfc/bcp/bcp47.txtand the IANA language subtag registry at http://www.iana.org/assignments/language-subtag-registryfor further information.</p> <p>The union allows for the 'un-declaration' of xml:lang with the empty string.</p> </div>				
Source	<xs:element name="projectResourceType" fixed="TigerData Project"> <xs:annotation> <xs:documentation xml:lang="en">The standard (fixed) resource type setting for TigerData projects</xs:documentation> <xs:documentation xml:lang="en">Does not apply to Items</xs:documentation> <xs:documentation xml:lang="en">Modeled after the DataCite definition for resourceType (v4.6+)</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="shortDescriptionType"> <xs:attribute ref="resourceTypeGeneral" fixed="Project"/> <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	Specific rights granted for copying and reusing the resource May apply to either Projects or Items Modeled after the DataCite definitions for Rights (v4.6+)

Diagram



Type	extension of licenseType				
Type hierarchy	<ul style="list-style-type: none"> • xs:string • licenseType 				
Properties	content: complex				
Used by	Element licenses				
Attributes	QName inherited	Type xs:boolean	Fixed 	Default true	Use optional
		Standard attribute to specify whether a given field's value should be inherited by any 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				
	licenseIDSchema	xs:string	SPDX		optional
	Specifies the schema used for licenseID				
	licenseIDSchemaURI	xs:anyURI	https://spdx.org/licenses/		optional
	Specifies the URI of the schema given by licenseIDSchema				
	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:documentation xml:lang="en">May apply to either Projects or Items</xs:documentation> <xs:documentation xml:lang="en">Modeled after the DataCite definitions for Rights (v4.6+)</xs:documentation> </xs:annotation> <xs:complexType> </pre>				

```

<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="licenseIDSchema" type="xs:string" fixed="SPDX">
      <xs:annotation>
        <xs:documentation xml:lang="en">Specifies the schema used for licenseID</xs:documentation>
      </xs:annotation>
    </xs:attribute>
    <xs:attribute name="licenseIDSchemaURI" type="xs:anyURI" fixed="https://spdx.org/licenses/">
      <xs:annotation>
        <xs:documentation xml:lang="en">Specifies the URI of the schema given by licenseIDSchema</xs:documentation>
      </xs:annotation>
    </xs:attribute>
    <xs:attribute ref="inherited" default="true"/>
  </xs:extension>
</xs:simpleContent>
</xs:complexType>
</xs:element>

```

Element licenses

Namespace	No namespace												
Annotations	<p>The container element for all licenses for a resource</p> <p>May apply to either Projects or Items</p> <p>If this element is present, then it should contain at least one sub-element</p>												
Diagram	<pre> classDiagram class licenses { @discoverable @trackingLevel 1..100 license } class license { Extension of licenseType } </pre> <p>The diagram illustrates the structure of the <code>licenses</code> element. It contains three attributes: <code>@discoverable</code> (type <code>xs:boolean</code>, fixed value <code>true</code>), <code>@trackingLevel</code> (type <code>trackingLevelType</code>, fixed value <code>ResourceRecord</code>), and a sequence of 1..100 <code>license</code> elements. The <code>license</code> element is defined as an extension of the <code>licenseType</code>.</p>												
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="" licenseIDSchema="SPDX" licenseIDSchemaURI="https://spdx.org/licenses/" licenseURI="" {1,100}</license> </licenses> </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 colspan="2">Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems</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	
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											

	QName	Type	Fixed	Use	
	trackingLevel	trackingLevelType	ResourceRecord	optional	
	Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)				
Source		<x:element name="licenses"> <x:annotation> <x:documentation xml:lang="en">The container element for all licenses for a resource</x:documentation> <x:documentation xml:lang="en">May apply to either Projects or Items</x:documentation> <x:documentation xml:lang="en">If this element is present, then it should contain at least one sub-element</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>			

Element duaReference

Namespace	No namespace															
Annotations	<p>Information about a formal agreement governing data use pertaining to the resource (at minimum, a name for the agreement grantor)</p> <p>DUA is short for Data Use Agreement</p> <p>May apply to either Projects or Items</p>															
Diagram	<pre> classDiagram class duaReference { @ Attributes @ inherited : xs:boolean [default true] grantorName : textType dualID : Extension of xs:string duaTitle : textType } </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 duaURI="">{0,1}</dualID> <duaTitle xml:lang="en">{0,1}</duaTitle> </duaReference> </pre>															
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Default</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>inherited</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's value should be inherited by any child resources</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 any child resources			
QName	Type	Default	Use													
inherited	xs:boolean	true	optional													
	Standard attribute to specify whether a given field's value should be inherited by any child resources															

	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)			
Source	<pre> <xs:element name="duaReference"> <xs:annotation> <xs:documentation xml:lang="en">Information about a formal agreement governing data use pertaining to the resource (at minimum, a name for the agreement grantor)</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, if applicable (given as a string)</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, if applicable</xs:documentation> </xs:annotation> </xs:element> </xs:complexType> <xs:attribute ref="inherited" default="true"/> </xs:element> </pre>				

Element `duaReference / grantorName`

Namespace	No namespace
Annotations	Records the name of the DUA grantor
Diagram	<p>The diagram illustrates the inheritance path for the <code>grantorName</code> element. It shows that <code>grantorName</code> is a type of <code>textType</code>. <code>textType</code> is a base type, specifically <code>limitedTextType</code>, which has a practical limit for text values. The <code>limitedTextType</code> type is described as a specification for the practical limit for text values within <code>textType</code>. The <code>limitedTextType</code> type has an attribute <code>@xml:lang</code> with a default value of <code>en</code>. This attribute is described as denoting an attribute whose value is a language code for the natural...</p>
Type	<code>textType</code>
Type hierarchy	<ul style="list-style-type: none"> • <code>xs:string</code> • <code>limitedTextType</code> • <code>textType</code>
Properties	content: complex

	minOccurs:	1			
	maxOccurs:	1			
Attributes	QName	Type	Default	Use	
	xml:lang	union of(xs:language, restriction of xs:string)	en	optional	
		<div> <h3>lang (as an attribute name)</h3> <p>denotes an attribute whose value is a language code for the natural language of the content of any element; its value is inherited. This name is reserved by virtue of its definition in the XML specification.</p> </div> <div> <h4>Notes</h4> <p>Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility.</p> <p>See BCP 47 at http://www.rfc-editor.org/rfc/bcp/bcp47.txtand the IANA language subtag registry at http://www.iana.org/assignments/language-subtag-registryfor further information.</p> <p>The union allows for the 'un-declaration' of xml:lang with the empty string.</p> </div>			
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, if applicable (given as a string)										
Diagram											
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	QName	Type	Default	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, if applicable (given as a string)</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></pre>										

</xs:element>

Element duaReference / duaTitle

Namespace	No namespace																		
Annotations	Records the title for the DUA, if applicable																		
Diagram	<pre> classDiagram class duaTitle { <<Type textType>> <<Records the title for the DUA, if applicable>> } class textType { <<Base Type limitedTextType>> } class limitedTextType { <<Specification for the practical limit for text values within textType>> } class Attributes { <<@ xml:lang>> <<Default en>> <<<div><h3>lang (as an attribute name)</h3><p>denotes an attribute whose value is a language code for the natural...>> } class StandardType { <<Standard type used for free text values>> } duaTitle < -- textType textType < -- limitedTextType limitedTextType < -- Attributes Attributes < -- StandardType </pre> <p>The diagram illustrates the inheritance path from the <code>duaTitle</code> element to the <code>textType</code> base type. It shows the <code>limitedTextType</code> intermediate type and the <code>Attributes</code> class which contains the <code>@xml:lang</code> attribute. A note explains that <code>lang</code> denotes a language code for the natural language of the content. The <code>StandardType</code> class is also shown.</p>																		
Type	textType																		
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>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								
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minOccurs:	0																		
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Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Default</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td><code>xml:lang</code></td> <td>union of(<code>xs:language</code>, restriction of <code>xs:string</code>)</td> <td>en</td> <td>optional</td> <td></td> </tr> <tr> <td></td> <td colspan="4"> <div style="background-color: #f0f0f0; padding: 10px;"> <p><code><div></code></p> <p style="color: blue;"><code><h3>lang (as an attribute name)</h3></code></p> <p style="color: blue;"><code><p>denotes an attribute whose value is a language code for the natural language of the content of any element; its value is inherited. This name is reserved by virtue of its definition in the XML specification.</p></code></p> <p><code></div></code></p> <p><code><h4>Notes</h4></code></p> <p style="color: blue;"><code><p>Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility.</p></code></p> <p style="color: blue;"><code><p>See BCP 47 at</code></p> <p style="color: blue;"><code>http://www.rfc-editor.org/rfc/bcp/bcp47.txt</code> and the IANA language subtag registry at</p> <p style="color: blue;"><code>http://www.iana.org/assignments/language-subtag-registry</code> for further information.</p> <p style="color: blue;"><code><p>The union allows for the 'un-declaration' of <code>xml:lang</code> with the empty string.</p></code></p> <p><code></div></code></p> </div> </td></tr> </tbody> </table>				QName	Type	Default	Use		<code>xml:lang</code>	union of(<code>xs:language</code> , restriction of <code>xs:string</code>)	en	optional			<div style="background-color: #f0f0f0; padding: 10px;"> <p><code><div></code></p> <p style="color: blue;"><code><h3>lang (as an attribute name)</h3></code></p> <p style="color: blue;"><code><p>denotes an attribute whose value is a language code for the natural language of the content of any element; its value is inherited. This name is reserved by virtue of its definition in the XML specification.</p></code></p> <p><code></div></code></p> <p><code><h4>Notes</h4></code></p> <p style="color: blue;"><code><p>Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility.</p></code></p> <p style="color: blue;"><code><p>See BCP 47 at</code></p> <p style="color: blue;"><code>http://www.rfc-editor.org/rfc/bcp/bcp47.txt</code> and the IANA language subtag registry at</p> <p style="color: blue;"><code>http://www.iana.org/assignments/language-subtag-registry</code> for further information.</p> <p style="color: blue;"><code><p>The union allows for the 'un-declaration' of <code>xml:lang</code> with the empty string.</p></code></p> <p><code></div></code></p> </div>			
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Source	<pre> <xs:element name="duaTitle" type="textType" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">Records the title for the DUA, if applicable</xs:documentation> </xs:annotation> </xs:element> </pre>																		

Element duaReferences

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

	If this element is present, then it should contain at least one sub-element																				
Diagram	<pre> classDiagram class duaReferences { @discoverable : xs:boolean @trackingLevel : trackingLevelType +duaReference[1..100] } class duaReference </pre>																				
Properties	content: complex																				
Used by	Element Groups additionalProjectInformation, itemFields																				
Model	duaReference{1,100}																				
Children	duaReference																				
Instance	<pre> <duaReferences discoverable="true" trackingLevel="ResourceRecord"> <duaReference inherited="true">{1,100}</duaReference> </duaReferences> </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>Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems</td> <td></td> </tr> <tr> <td>trackingLevel</td> <td>trackingLevelType</td> <td>ResourceRecord</td> <td>optional</td> </tr> <tr> <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	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																		
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		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:documentation xml:lang="en">If this element is present, then it should contain at least one sub-element</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 with a range)</p> <p>The value should 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	<pre> classDiagram dateOrRangeType { <<Standard type used for values that may be either dates or date ranges>> <<Applies a pattern aligned with...>> } startDate { <<The date when the resource became, or will become, active (may be estimated with a range)>> <<The value should not be...>> } dateOrRangeType "1" -- "0..1" startDate : <<Extension of 'dateOrRangeType'>> startDate "0..1" -- "1" dateOrRangeType : <<Attributes
@ inherited
Type xs:boolean
Default true

Standard attribute to specify whether a given field's value should be inherited by any 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	Elements itemDates, projectDates																
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 any 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	inherited	xs:boolean	true	optional		Standard attribute to specify whether a given field's value should be inherited by any 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 any 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="startDate"> <xss:annotation> <xss:documentation xml:lang="en">The date when the resource became, or will become, active (may be estimated with a range)</xss:documentation> <xss:documentation xml:lang="en">The value should not be chronologically earlier than that of the approvalDateTime subfield under the submission field</xss:documentation> <xss:documentation xml:lang="en">Unlike provenance records, this date field is discoverable and tracked in the resource record</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="dateOrRangeType"> <xss:attribute ref="inherited" default="true" /> </xss:extension> </xss:simpleContent> </xss:complexType> </xss:element> </pre>																

Element endDate

Namespace	No namespace
Annotations	<p>The date when the resource became, or will become, inactive from a user perspective, i.e., no further changes are expected to be made (may be estimated with a range)</p> <p>The value should not be chronologically earlier than that of startDate, nor later than that of retirementDate</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 < -- endDate endDate "0..1" --> inherited : @ inherited inherited "0..1" --> inheritance : Standard attribute to specify whether a given field's value should be inherited by any child resources </pre>																
Type	extension of dateOrRangeType																
Type hierarchy	<ul style="list-style-type: none"> • xs:string • dateOrRangeType 																
Properties	content: complex																
Used by	Elements itemDates, projectDates																
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></td><td>Standard attribute to specify whether a given field's value should be inherited by any 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	Default	Use	inherited	xs:boolean	true	optional			Standard attribute to specify whether a given field's value should be inherited by any 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 any 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 from a user perspective, i.e., no further changes are expected to be made (may be estimated with a range)</xs:documentation> <xs:documentation xml:lang="en">The value should 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="dateOrRangeType"> <xs:attribute ref="inherited" default="true" /> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element> </pre>																

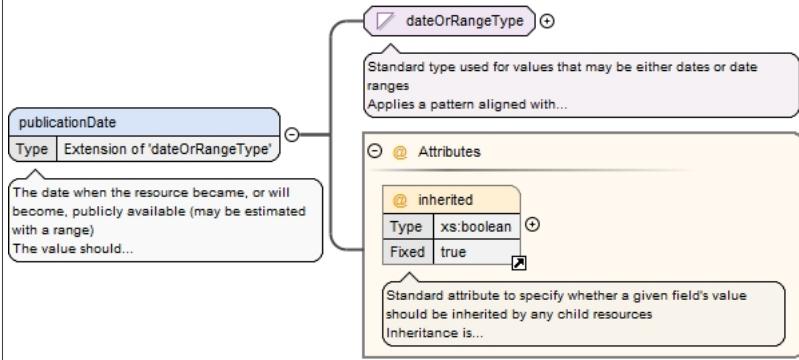
Element retirementDate

Namespace	No namespace
Annotations	<p>The date when the resource became, or will become, no longer useful to the primary users (may be estimated with a range)</p> <p>The value should not be chronologically earlier than that of endDate, nor later than that of the approvalDateTime subfield under the retirement provenance 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 { Standard type used for values that may be either dates or date ranges Applies a pattern aligned with... } retirementDate { Type Extension of 'dateOrRangeType' The date when the resource became, or will become, no longer useful to the primary users (may be estimated with a... } dateOrRangeType "1" -- "0..1" retirementDate dateOrRangeType "1" -- "1" Attributes Attributes "1" -- "1" inherited inherited { @ inherited Type xs:boolean Fixed true } inherited "1" -- "1" Description Description { Standard attribute to specify whether a given field's value should be inherited by any 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	Elements itemDates, projectDates																
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 colspan="2">Standard attribute to specify whether a given field's value should be inherited by any child resources</td></tr> <tr> <td></td><td></td><td colspan="2">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	Fixed	Use	inherited	xs:boolean	true	optional			Standard attribute to specify whether a given field's value should be inherited by any 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 any 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> <xs:documentation xml:lang="en">The date when the resource became, or will become, no longer useful to the primary users (may be estimated with a range)</xs:documentation> <xs:documentation xml:lang="en">The value should not be chronologically earlier than that of endDate, nor later than that of the approvalDateTime subfield under the retirement provenance 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 ref="inherited" fixed="true" /> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element> </pre>																

Element publicationDate

Namespace	No namespace
Annotations	<p>The date when the resource became, or will become, publicly available (may be estimated with a range)</p> <p>The value should 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																	
Type	extension of dateOrRangeType																
Type hierarchy	<ul style="list-style-type: none"> • xs:string • dateOrRangeType 																
Properties	content: complex																
Used by	Element projectDates																
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 colspan="3">Standard attribute to specify whether a given field's value should be inherited by any 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	Fixed	Use	inherited	xs:boolean	true	optional		Standard attribute to specify whether a given field's value should be inherited by any 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 any 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 with a range)</xs:documentation> <xs:documentation xml:lang="en">The value should 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="dateOrRangeType"> <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...>> } dateOrRangeType { <<Attributes>> @ dateType @ dateInformation @ inherited } dateType { <<Type dateTypeType</>> } dateInformation { <<Type shortDescriptionLimitType</>> <<More information about the value of otherDate (recommended if dateType is Other)>> } inherited { <<Type xs:boolean</>> Default true <<Standard attribute to specify whether a given field's value should be inherited by any 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	Elements itemDates, projectDates																												
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>shortDescriptionLimitType</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 any 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	shortDescriptionLimitType		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 any 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	shortDescriptionLimitType		optional																										
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dateType	dateTypeType		required																										
inherited	xs:boolean	true	optional																										
	Standard attribute to specify whether a given field's value should be inherited by any 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="otherDate"> <xss:annotation> <xss:documentation xml:lang="en">A date or date range relevant to the resource, not captured by any other date field</xss:documentation> <xss:documentation xml:lang="en">Unlike provenance records, this date field is discoverable and tracked in the resource record</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="dateOrRangeType"> <xss:attribute name="dateType" type="dateTypeType" use="required"/> <xss:attribute name="dateInformation" type="shortDescriptionLimitType" use="optional"> <xss:annotation> <xss:documentation xml:lang="en">More information about the value of otherDate (recommended if dateType is Other)</xss:documentation> </xss:annotation> </xss:attribute> <xss:attribute ref="inherited" default="true"/> </xss:extension> </xss:simpleContent> </xss:complexType> </xss:element> </pre>																												

Element projectDates

Namespace	No namespace
Annotations	<p>The container element for all date elements that apply to a Project</p> <p>Unlike provenance records, these date fields are all discoverable and tracked in the resource record</p>

	If this element is present, then it should contain at least one sub-element																									
Diagram	<pre> classDiagram class projectDates { <<The container element for all date elements that apply to a Project. Unlike provenance records, these date fields are...>> <<The value should not be...>> <<The date when the resource became, or will become, active (may be estimated with a range)>> <<The date when the resource became, or will become, inactive from a user perspective, i.e., no further changes are...>> <<The date when the resource became, or will become, no longer useful to the primary users (may be estimated with a...>> <<The date when the resource became, or will become, publicly available (may be estimated with a range)>> <<A date or date range relevant to the resource, not captured by any other date field. Unlike provenance records, this...>> } class Attributes { discoverable trackingLevel } class startDate class endDate class retirementDate class publicationDate class otherDate </pre> <p>The diagram illustrates the structure of the <code>projectDates</code> element. It contains several date-related attributes and their descriptions:</p> <ul style="list-style-type: none"> Attributes (parent of <code>discoverable</code> and <code>trackingLevel</code>): <ul style="list-style-type: none"> discoverable: Type <code>xs:boolean</code>, Fixed: true. Description: Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems. trackingLevel: Type <code>trackingLevelType</code>, Fixed: ResourceRecord. Description: Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly). <p>The <code>projectDates</code> element itself has the following children:</p> <ul style="list-style-type: none"> startDate: Type Extension of 'dateOrRangeType'. Description: The date when the resource became, or will become, active (may be estimated with a range). The value should not be... endDate: Type Extension of 'dateOrRangeType'. Description: The date when the resource became, or will become, inactive from a user perspective, i.e., no further changes are... retirementDate: Type Extension of 'dateOrRangeType'. Description: The date when the resource became, or will become, no longer useful to the primary users (may be estimated with a...). publicationDate: Type Extension of 'dateOrRangeType'. Description: The date when the resource became, or will become, publicly available (may be estimated with a range). The value should... otherDate: Type Extension of 'dateOrRangeType'. Description: A date or date range relevant to the resource, not captured by any other date field. Unlike provenance records, this... 																									
Properties	content: complex																									
Used by	Element Group additionalProjectInformation																									
Model	<code>startDate{0,1}</code> , <code>endDate{0,1}</code> , <code>retirementDate{0,1}</code> , <code>publicationDate{0,1}</code> , <code>otherDate{0,100}</code>																									
Children	endDate, otherDate, publicationDate, retirementDate, startDate																									
Instance	<pre> <projectDates 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> </projectDates> </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><code>xs:boolean</code></td> <td>true</td> <td>optional</td> <td></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>trackingLevel</td> <td><code>trackingLevelType</code></td> <td>ResourceRecord</td> <td>optional</td> <td></td> </tr> <tr> <td></td> <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	<code>xs:boolean</code>	true	optional						Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems	trackingLevel	<code>trackingLevelType</code>	ResourceRecord	optional						Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)
QName	Type	Fixed	Use																							
discoverable	<code>xs:boolean</code>	true	optional																							
				Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems																						
trackingLevel	<code>trackingLevelType</code>	ResourceRecord	optional																							
				Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)																						
Source	<pre> <xss:element name="projectDates"> <xss:annotation> <xss:documentation xml:lang="en">The container element for all date elements that apply to a Project</xss:documentation> <xss:documentation xml:lang="en">Unlike provenance records, these date fields are all discoverable and tracked in the resource record</xss:documentation> </xss:annotation> </pre>																									

```

<xs:documentation xml:lang="en">If this element is present, then it should contain at least one
sub-element</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>

```

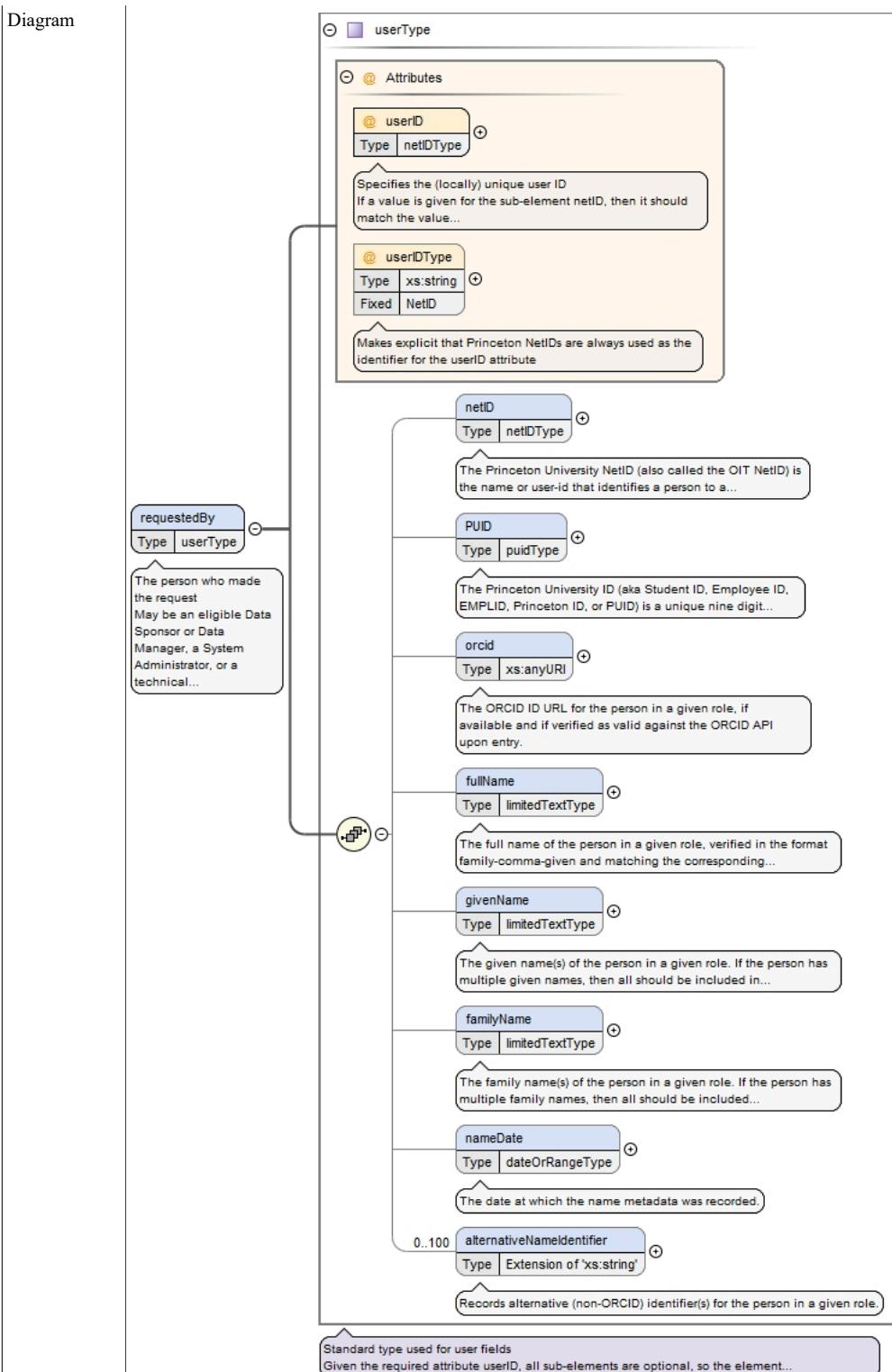
Element itemDates

Namespace	No namespace
Annotations	<p>The container element for all date elements that apply to an Item</p> <p>Unlike provenance records, these date fields are all discoverable and tracked in the resource record</p> <p>If this element is present, then it should contain at least one sub-element</p>
Diagram	<p>The diagram illustrates the structure of the itemDates element. It is a container for other date elements. It has two attributes: discoverable (xs:boolean, fixed=true) and trackingLevel (trackingLevelType, ResourceRecord). It contains four date elements: startDate, endDate, retirementDate, and otherDate. Each date element is of type Extension of 'dateOrRangeType'. startDate and endDate are required (minOccurs=1), while retirementDate and otherDate are optional (minOccurs=0). A note indicates that the value should not be null.</p>
Properties	content: complex
Used by	Element Group itemFields
Model	startDate{0,1} , endDate{0,1} , retirementDate{0,1} , otherDate{0,100}
Children	endDate, otherDate, retirementDate, startDate
Instance	<pre> <itemDates discoverable="true" trackingLevel="ResourceRecord"> <startDate inherited="true">{0,1}</startDate> <endDate inherited="true">{0,1}</endDate> <retirementDate inherited="true">{0,1}</retirementDate> <otherDate dateInformation="" dateType="" inherited="true">{0,100}</otherDate> </itemDates> </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="itemDates"> <xs:annotation> <xs:documentation xml:lang="en">The container element for all date elements that apply to an Item</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 this element is present, then it should contain at least one sub-element</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="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 or Data Manager, a System Administrator, or a technical service account</p>



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

```

<PUID>{0,1}</PUID>
<orcid>{0,1}</orcid>
<fullName>{0,1}</fullName>
<givenName>{0,1}</givenName>
<familyName>{0,1}</familyName>
<nameDate>{0,1}</nameDate>
<alternativeNameIdentifier nameIdentifierSchema="" schemaURI="">{0,100}</
alternativeNameIdentifier>
</requestedBy>

```

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 the userID attribute				
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 or Data Manager, a System Administrator, or a technical service account</xs:documentation> </xs:annotation> </xs:element> </pre>				

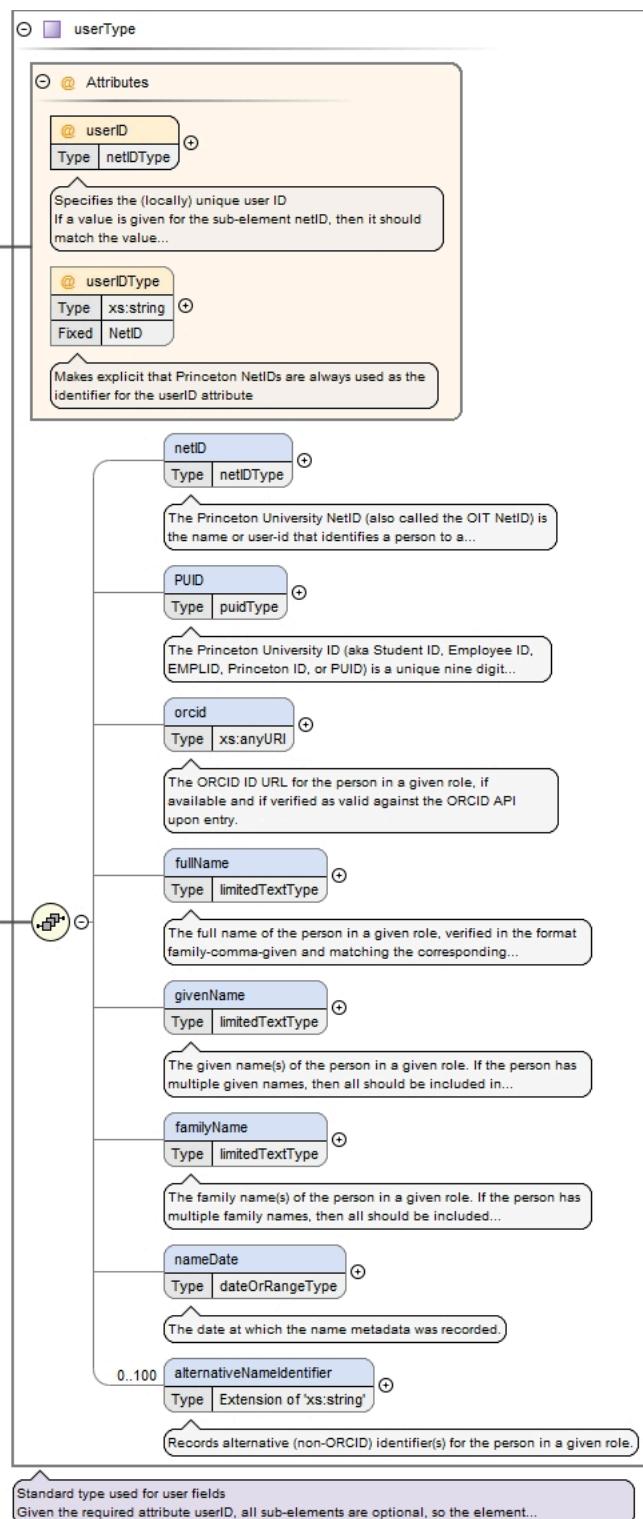
Element provenanceSubfields / requestDateTime

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 diagram shows a UML class named 'requestDateTime' with a note below it: 'The date and time the request was made. Include the time zone at the location of the host institution. Princeton...'. A line connects this class to another box labeled 'xs:dateTime' with a note: '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>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	<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	<code>netID{0,1}</code> , <code>PUID{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>PUID</code> , <code>alternativeNameIdentifier</code> , <code>familyName</code> , <code>fullName</code> , <code>givenName</code> , <code>nameDate</code> , <code>netID</code> , <code>orcid</code>						
Instance	<code><approvedBy userID="" userIDType="NetID"></code> <code><netID>{0,1}</netID></code>						

```

<PUID>{0,1}</PUID>
<orcid>{0,1}</orcid>
<fullName>{0,1}</fullName>
<givenName>{0,1}</givenName>
<familyName>{0,1}</familyName>
<nameDate>{0,1}</nameDate>
<alternativeNameIdentifier nameIdentifierSchema="" schemaURI="">{0,100}</
alternativeNameIdentifier>
</approvedBy>

```

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 the userID attribute				
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>				

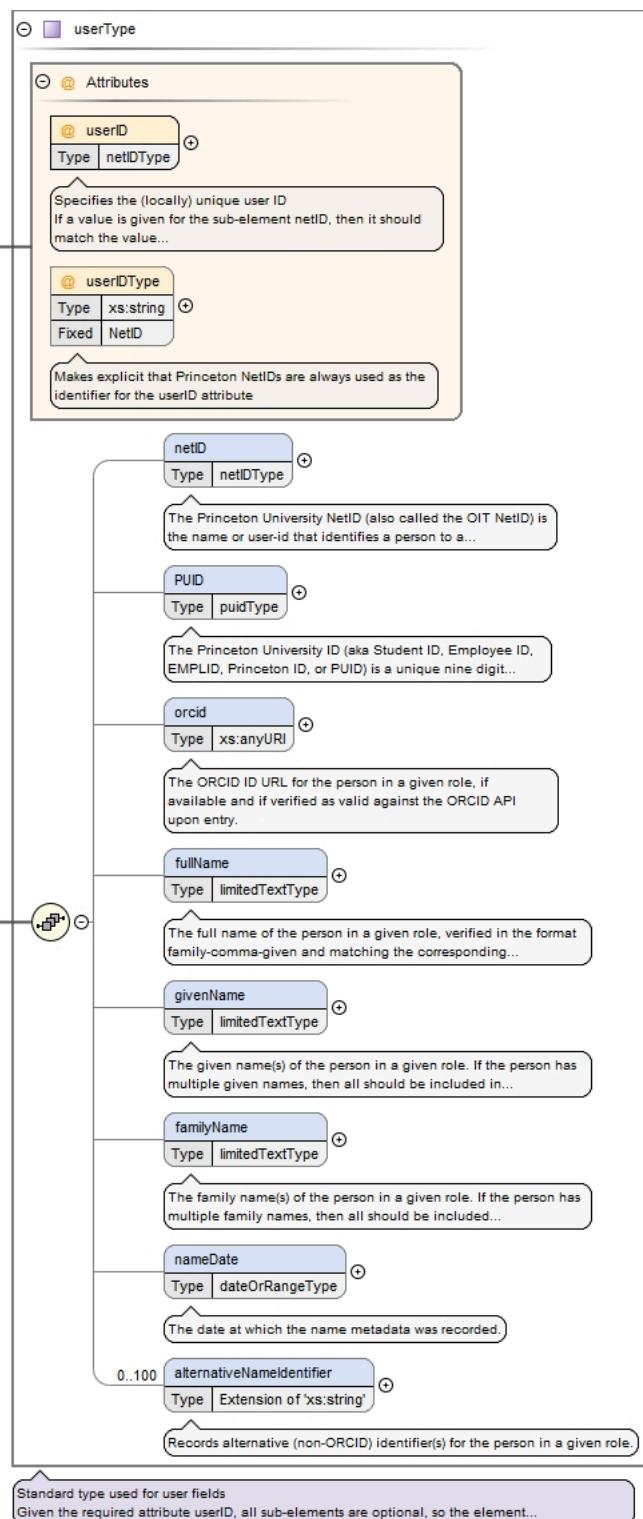
Element provenanceSubfields / approvalDateTime

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 { <<The date and time the request was approved>> <<Include the time zone at the location of the host institution Princeton...>> } class xsdateTime { <<Built-in primitive type. The dateTime datatype represents a specific instant of time.>> } approvalDateTime < -- xsdateTime </pre>
Type	xs:dateTime
Properties	<p>content: simple</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>
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	<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	<code>netID{0,1}</code> , <code>PUID{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>PUID</code> , <code>alternativeNameIdentifier</code> , <code>familyName</code> , <code>fullName</code> , <code>givenName</code> , <code>nameDate</code> , <code>netID</code> , <code>orcid</code>						
Instance	<code><deniedBy userID="" userIDType="NetID"></code> <code><netID>{0,1}</netID></code>						

```

<PUID>{0,1}</PUID>
<orcid>{0,1}</orcid>
<fullName>{0,1}</fullName>
<givenName>{0,1}</givenName>
<familyName>{0,1}</familyName>
<nameDate>{0,1}</nameDate>
<alternativeNameIdentifier nameIdentifierSchema="" schemaURI="">{0,100}</
alternativeNameIdentifier>
</deniedBy>

```

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 the userID attribute				
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 { <<The date and time the request was denied<< <<Include the time zone at the location of the host institution Princeton...<< } class xsdateTime { <<Built-in primitive type. The dateTime datatype represents a specific instant of time.<< } denialDateTime < -- xsdateTime </pre>
Type	xs:dateTime
Properties	<p>content: simple</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>
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>						

```

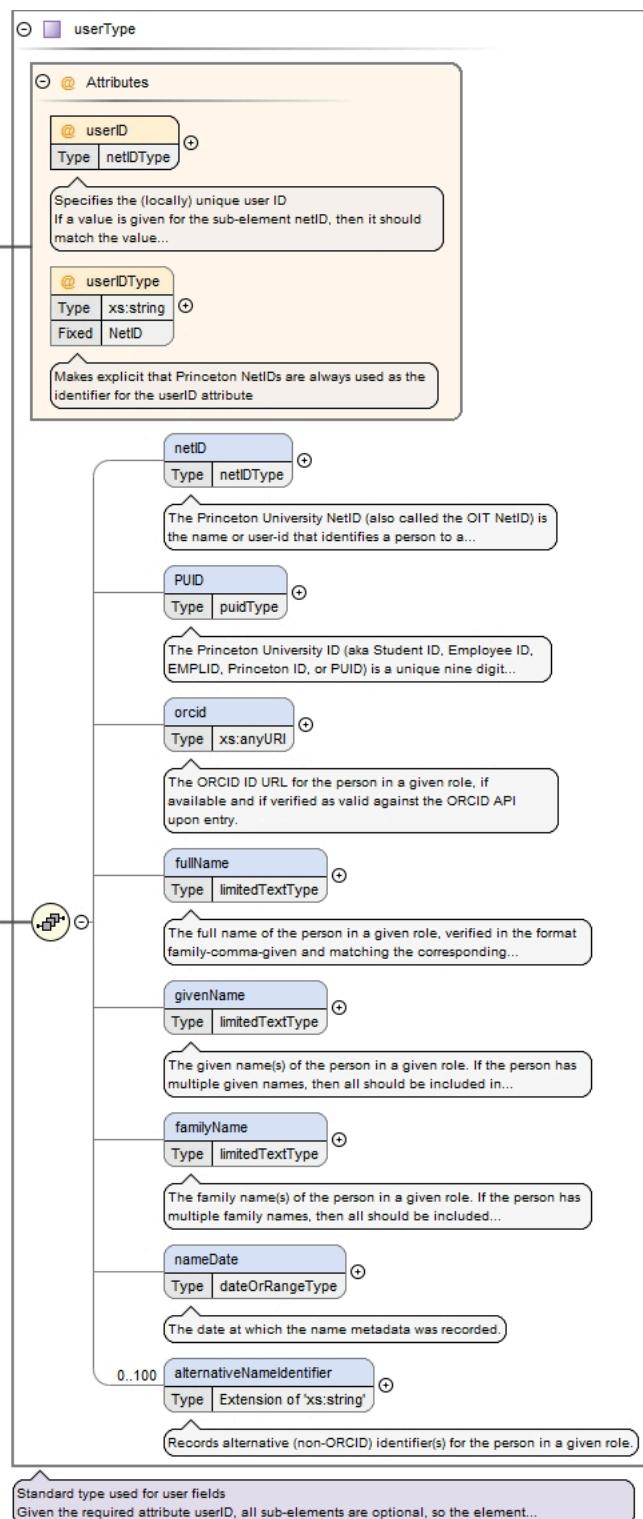
<xs:enumeration value="Quota" xml:lang="en">
    <xs:annotation>
        <xs:documentation xml:lang="en">Event note pertains to the project's quota settings
in Mediaflux</xs:documentation>
    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="Tier" xml:lang="en">
    <xs:annotation>
        <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="Revision" xml:lang="en">
    <xs:annotation>
        <xs:documentation xml:lang="en">Event note explains the return of the project
request to the submitter for revision</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>PUID{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>PUID</code> , <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></pre>

```

<PUID>{0,1}</PUID>
<orcid>{0,1}</orcid>
<fullName>{0,1}</fullName>
<givenName>{0,1}</givenName>
<familyName>{0,1}</familyName>
<nameDate>{0,1}</nameDate>
<alternativeNameIdentifier nameIdentifierSchema="" schemaURI="">{0,100}</
alternativeNameIdentifier>
</noteBy>

```

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 the userID attribute				
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							
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					
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> </table>	content:	simple	minOccurs:	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	Revision	Event note explains the return of the project request to the submitter for revision
	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="Revision" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">Event note explains the return of the project request to the submitter for revision</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									
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> div h3>lang (as an attribute name) p>denotes an attribute whose value is a language code for the natural language of the content of any element; its value is inherited. This name is reserved by virtue of its definition in the XML specification. div h4>Notes p>Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility. p>See BCP 47 at a href="http://www.rfc-editor.org/rfc/bcp/bcp47.txt">http://www.rfc-editor.org/rfc/bcp/bcp47.txtand the IANA language subtag registry at a href="http://www.iana.org/assignments/language-subtag-registry">http://www.iana.org/assignments/language-subtag-registryfor further information. p>The union allows for the 'un-declaration' of xml:lang with the empty string. div </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><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>If projectPurpose is Research, then at least one researchDomain element should be given</p> <p>If this element is present, then it should contain at least one sub-element</p> <p>No duplicate domains; no more than 4 total</p>

Diagram	<pre> classDiagram class researchDomains { <<The container element for all research domains for a project<> <<If projectPurpose is Research, then at least one...>> discoverable trackingLevel researchDomain[1..4] } class discoverable { <<Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems<> type xs:boolean fixed true } class trackingLevel { <<Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)<> type trackingLevelType fixed ResourceRecord } class researchDomain { <<The general field(s) of academic research related to the project, if applicable<> <<Options are limited to the 4 domains...>> type Extension of 'researchDomainNameType' } association researchDomains "1..4" researchDomain </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	researchDomain{1,4}																				
Children	researchDomain																				
Instance	<pre> <researchDomains discoverable="true" trackingLevel="ResourceRecord"> <researchDomain inherited="true">{1,4}</researchDomain> </researchDomains> </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 colspan="3">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 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			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> <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">If projectPurpose is Research, then at least one researchDomain element should be given</xss:documentation> <xss:documentation xml:lang="en">If this element is present, then it should contain at least one sub-element</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: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 Options are limited to the 4 domains Princeton University uses to categorize departments</p>												
Diagram	<pre> classDiagram class researchDomain { <<Extension of 'researchDomainNameType'>> <<The general field(s) of academic research related to the project, if applicable Options are limited to the 4 domains...>> } class researchDomainNameType { <<Standard type that defines the controlled vocabulary for the researchDomain field Applies when projectPurpose is...>> } class @Attributes { <<@ inherited Type xs:boolean Fixed true Standard attribute to specify whether a given field's value should be inherited by any child resources Inheritance is...>> } researchDomain --> researchDomainNameType researchDomain --> @Attributes </pre>												
Type	extension of researchDomainNameType												
Type hierarchy	<ul style="list-style-type: none"> • xs:string • researchDomainNameType 												
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>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> <tr> <td></td> <td colspan="3"> Standard attribute to specify whether a given field's value should be inherited by any 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	Fixed	Use	inherited	xs:boolean	true	optional		Standard attribute to specify whether a given field's value should be inherited by any 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 any 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 | ``` <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> ``` |

Element projectDescription / departments

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

Diagram	<pre> classDiagram class departments { @discoverable @trackingLevel <sequence> <element name="department" maxOccurs="1..100" type="Extension of 'departmentType'"/> </sequence> } class department { <extension base="departmentType"> <attribute name="departmentCode" type="departmentCodeType" use="required"/> <attribute ref="inherited" default="true"/> </extension> } </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	department{1,100}																				
Children	department																				
Instance	<departments discoverable="true" trackingLevel="ResourceRecord"> <department departmentCode="" inherited="true">{1,100}</department> </departments>																				
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> <xsd:element name="departments" minOccurs="1" maxOccurs="1"> <xsd:annotation> <xsd:documentation xml:lang="en">The container element for all departments for a project</xsd:documentation> </xsd:annotation> <xsd:complexType> <xsd:sequence> <xsd:element name="department" minOccurs="1" maxOccurs="100"> <xsd:annotation> <xsd:documentation xml:lang="en">The primary Princeton University department(s) affiliated with the project</xsd:documentation> <xsd:documentation xml:lang="en">Use the canonical name for each recorded department</xsd:documentation> <xsd:documentation xml:lang="en">Princeton department names typically start with a 2- or 3-character abbreviation, followed by a minus-dash, and then a short description</xsd:documentation> </xsd:annotation> <xsd:complexType> <xsd:simpleContent> <xsd:extension base="departmentType"> <xsd:attribute name="departmentCode" type="departmentCodeType" use="required"> <xsd:annotation> <xsd:documentation xml:lang="en">Records the numerical code for the department (required)</xsd:documentation> </xsd:annotation> </xsd:attribute> <xsd:attribute ref="inherited" default="true"/> </xsd:extension> </xsd:simpleContent> </xsd:complexType> </xsd:element> </xsd:sequence> <xsd:attribute ref="discoverable" fixed="true"/> <xsd:attribute ref="trackingLevel" fixed="ResourceRecord"/> </xsd:complexType> </xsd:element> </pre>																				

Element projectDescription / departments / department

Namespace	No namespace																								
Annotations	<p>The primary Princeton University department(s) affiliated with the project</p> <p>Use the canonical name for each recorded department</p> <p>Princeton department names typically start with a 2- or 3-character abbreviation, followed by a minus-dash, and then a short description</p>																								
Diagram	<pre> classDiagram departmentType { departmentCode : departmentCodeType inherited : xs:boolean <<Records the numerical code for the department (required)>> <<Standard attribute to specify whether a given field's value should be inherited by any child resources Inheritance is...>> } department { Type : Extension of departmentType <<The primary Princeton University department(s) affiliated with the project Use the canonical name for each recorded...>> } department "0..1" o-- departmentType departmentType "0..1" o-- department </pre>																								
Type	extension of departmentType																								
Type hierarchy	<ul style="list-style-type: none"> • xs:string • departmentType 																								
Properties	<table> <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																		
content:	complex																								
minOccurs:	1																								
maxOccurs:	100																								
Attributes	<table> <thead> <tr> <th>QName</th> <th>Type</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>departmentCode</td> <td>departmentCodeType</td> <td></td> <td>required</td> </tr> <tr> <td></td> <td></td> <td></td> <td>Records the numerical code for the department (required)</td> </tr> <tr> <td>inherited</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's value should be inherited by any child resources</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> </tr> </tbody> </table>	QName	Type	Default	Use	departmentCode	departmentCodeType		required				Records the numerical code for the department (required)	inherited	xs:boolean	true	optional				Standard attribute to specify whether a given field's value should be inherited by any 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																						
departmentCode	departmentCodeType		required																						
			Records the numerical code for the department (required)																						
inherited	xs:boolean	true	optional																						
			Standard attribute to specify whether a given field's value should be inherited by any 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> <x:element name="department" minOccurs="1" maxOccurs="100"> <x:annotation> <x:documentation xml:lang="en">The primary Princeton University department(s) affiliated with the project</x:documentation> <x:documentation xml:lang="en">Use the canonical name for each recorded department</x:documentation> <x:documentation xml:lang="en">Princeton department names typically start with a 2- or 3-character abbreviation, followed by a minus-dash, and then a short description</x:documentation> </x:annotation> <x:complexType> <x:simpleContent> <x:extension base="departmentType"> <x:attribute name="departmentCode" type="departmentCodeType" use="required"> <x:annotation> <x:documentation xml:lang="en">Records the numerical code for the department (required)</x:documentation> </x:annotation> </x:attribute> <x:attribute ref="inherited" default="true"/> </x:extension> </x:simpleContent> </x:complexType> </x:element> </pre>																								

Element projectDescription / projectDirectory

Namespace	No namespace										
Annotations	<p>The locally unique name for the project's directory The typical value is expected to be in NFS protocol A parent folder is recommended to organize projects by groups (e.g., lab or principal investigator) 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 approved { type xs:boolean default false } class inherited { type xs:boolean fixed false } class discoverable { type xs:boolean fixed false } class trackingLevel { type trackingLevelType fixed InternalUseOnly } class projectDirectoryPath { type pathType } class requestedValue { type pathType } class approvedValue { type pathType } approved < -- projectDirectory inherited < -- projectDirectory discoverable < -- projectDirectory trackingLevel < -- projectDirectory projectDirectoryPath < -- projectDirectory requestedValue < -- projectDirectory approvedValue < -- projectDirectory </pre> <p>The diagram illustrates the structure of the <code>projectDirectory</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. <code>inherited</code>: Standard attribute to specify whether a given field's value should be inherited by any child resources. <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>projectDirectoryPath</code>: A current setting for <code>projectDirectory</code> (omitted until approved). After approval, this value should be updated to match... <code>requestedValue</code>: The requested value for <code>projectDirectory</code> (omitted if no user request was received). <code>approvedValue</code>: The approved value for <code>projectDirectory</code> (omitted if no sys admin has approved yet). Once approved, the approved... 										
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	<code>projectDirectoryPath{0,100} , requestedValue{0,1} , approvedValue{0,1}</code>										
Children	approvedValue, projectDirectoryPath, requestedValue										
Instance	<pre> <projectDirectory approved="false" discoverable="false" inherited="false" trackingLevel="InternalUseOnly"> <projectDirectoryPath protocol="NFS">{0,100}</projectDirectoryPath> <requestedValue protocol="NFS">{0,1}</requestedValue> <approvedValue protocol="NFS">{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> </tbody> </table> <p>Standard attribute to specify whether a given field has an approved value</p>	QName	Type	Fixed	Default	Use	approved	xs:boolean		false	optional
QName	Type	Fixed	Default	Use							
approved	xs:boolean		false	optional							

QName	Type	Fixed	Default	Use
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
Standard attribute to specify whether a given field's value should be inherited by any 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 directory</xs:documentation> <xs:documentation xml:lang="en">The typical value is expected to be in NFS protocol</xs:documentation> <xs:documentation xml:lang="en">A parent folder is recommended to organize projects by groups (e.g., lab or principal investigator)</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, using the protocol attribute</xs:documentation> <xs:documentation xml:lang="en">Example NFS path: /tigerdata/parent-folder/project-folder</xs:documentation> <xs:documentation xml:lang="en">Example SMB path: \\tigerdata-smb\parent-folder\project-folder</xs:documentation> <xs:documentation xml:lang="en">Example S3 path: S3://princeton/tigerdata/parent-folder/project-folder</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>

Multiple elements are allowed to specify paths in alternative protocols, using the protocol attribute

Example NFS path: /tigerdata/parent-folder/project-folder

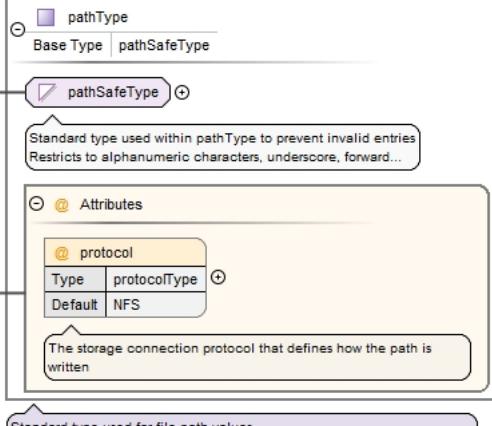
Example SMB path: \\tigerdata-smb\parent-folder\project-folder

Example S3 path: S3://princeton/tigerdata/parent-folder/project-folder

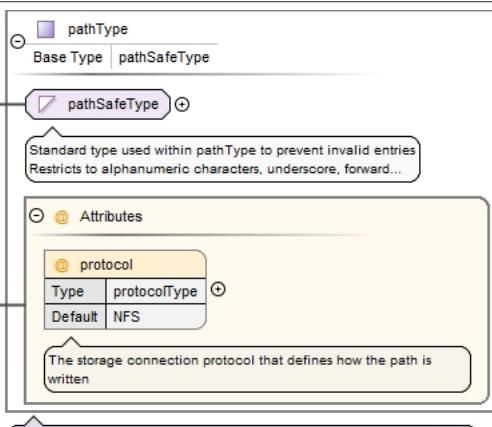
Diagram	<pre> classDiagram class projectDirectoryPath { <<Type pathType>> <<A current setting for projectDirectory (omitted until approved) After approval, this value should be updated to match...>> } class pathType { <<Base Type pathSafeType>> } class pathSafeType { <<Standard type used within pathType to prevent invalid entries Restricts to alphanumeric characters, underscore, forward...>> } class @Attributes { <<@ protocol <<Type protocolType>> Default: NFS <<The storage connection protocol that defines how the path is written >> } projectDirectoryPath --> pathType pathType --> pathSafeType pathSafeType --> @Attributes </pre>															
Type	pathType															
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pathSafeType • pathType 															
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															
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Default</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>protocol</td> <td>protocolType</td> <td>NFS</td> <td>optional</td> <td></td> </tr> <tr> <td colspan="5">The storage connection protocol that defines how the path is written</td></tr> </tbody> </table>	QName	Type	Default	Use		protocol	protocolType	NFS	optional		The storage connection protocol that defines how the path is written				
QName	Type	Default	Use													
protocol	protocolType	NFS	optional													
The storage connection protocol that defines how the path is written																
Source	<pre> <xss:element name="projectDirectoryPath" type="pathType" minOccurs="0" maxOccurs="100"> <xss:annotation> <xss:documentation xml:lang="en">A current setting for projectDirectory (omitted until approved)</xss:documentation> <xss: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)</xss:documentation> <xss:documentation xml:lang="en">Multiple elements are allowed to specify paths in alternative protocols, using the protocol attribute</xss:documentation> <xss:documentation xml:lang="en">Example NFS path: /tigerdata/parent-folder/project-folder</xss:documentation> <xss:documentation xml:lang="en">Example SMB path: \\tigerdata-smb\parent-folder\project-folder</xss:documentation> <xss:documentation xml:lang="en">Example S3 path: S3://princeton/tigerdata/parent-folder/project-folder</xss:documentation> </xss:annotation> </xss: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 hierar- chy	<ul style="list-style-type: none"> • xs:string • pathSafeType • pathType 												
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>												
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>protocol</td><td>protocolType</td><td>NFS</td><td>optional</td></tr> <tr> <td></td><td></td><td></td><td>The storage connection protocol that defines how the path is written</td></tr> </tbody> </table>	QName	Type	Default	Use	protocol	protocolType	NFS	optional				The storage connection protocol that defines how the path is written
QName	Type	Default	Use										
protocol	protocolType	NFS	optional										
			The storage connection protocol that defines how the path is written										
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	
Type	pathType
Type hierar- chy	<ul style="list-style-type: none"> • xs:string • pathSafeType • pathType

Properties	content: complex				
	minOccurs:	0			
	maxOccurs:	1			
Attributes	QName	Type	Default	Use	
	protocol	protocolType	NFS	optional	The storage connection protocol that defines how the path is written
Source	<pre><xss:element name="approvedValue" type="pathType" minOccurs="0" maxOccurs="1"> <xss:annotation> <xss:documentation xml:lang="en">The approved value for projectDirectory (omitted if no sys admin has approved yet)</xss:documentation> <xss:documentation xml:lang="en">Once approved, the approved attribute should also be set to true</xss:documentation> </xss:annotation> </xss:element></pre>				

Element storageAndAccess / storageCapacity

Namespace	No namespace
Annotations	<p>The amount of storage allotted for the project (using logical byte units, base-10)</p> <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 } class trackingLevelType class storageQuantityType </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>: Type <code>xs:boolean</code>, Default <code>false</code>. Description: Standard attribute to specify whether a given field has an approved value. Applies to fields which have a... <code>inherited</code>: Type <code>xs:boolean</code>, Fixed <code>false</code>. Description: Standard attribute to specify whether a given field's value should be inherited by any child resources. Inheritance is... <code>discoverable</code>: Type <code>xs:boolean</code>, Fixed <code>false</code>. Description: Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems. <code>trackingLevel</code>: Type <code>trackingLevelType</code>, Fixed <code>InternalUseOnly</code>. Description: Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly). <code>storageCapacitySetting</code>: Type <code>storageQuantityType</code>. Description: The current setting for <code>storageCapacity</code> (omitted until approved). After the implementation of the approval, this value... <code>requestedValue</code>: Type <code>storageQuantityType</code>. Description: The requested value for <code>storageCapacity</code> (omitted if no user request was received). This field gets updated when a Data... <code>approvedValue</code>: Type <code>storageQuantityType</code>. Description: The approved value for <code>storageCapacity</code> (omitted if no sys admin has approved yet). Once approved for initial project...
Properties	content: complex

	minOccurs:	1				
	maxOccurs:	1				
Model	storageCapacitySetting{0,1} , requestedValue{0,1} , approvedValue{0,1}					
Children	approvedValue, requestedValue, storageCapacitySetting					
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	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				
Source	inherited	xs:boolean	false		optional	
		Standard attribute to specify whether a given field's value should be inherited by any 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)				
Source	<pre><xss:element name="storageCapacity" minOccurs="1" maxOccurs="1"> <xss:annotation> <xss:documentation xml:lang="en">The amount of storage allotted for the project (using logical byte units, base-10)</xss:documentation> <xss:documentation xml:lang="en">If no user request was received and no value has yet been approved, then this field may be empty</xss:documentation> </xss:annotation> <xss:complexType> <xss:sequence> <xss:element name="storageCapacitySetting" type="storageQuantityType" minOccurs="0" maxOccurs="1"> <xss:annotation> <xss:documentation xml:lang="en">The current setting for storageCapacity (omitted until approved)</xss:documentation> <xss:documentation xml:lang="en">After the implementation of the approval, this value should be updated to match the approvedValue</xss:documentation> </xss:annotation> </xss:element> <xss:element name="requestedValue" type="storageQuantityType" minOccurs="0" maxOccurs="1"> <xss:annotation> <xss:documentation xml:lang="en">The requested value for storageCapacity (omitted if no user request was received)</xss:documentation> <xss:documentation xml:lang="en">This field gets updated when a Data Sponsor or Data Manager requests a change in storage capacity on an active project</xss:documentation> <xss:documentation xml:lang="en">Depending on the amount requested, a System Administrator may ask the Data Sponsor for more justification for the request</xss:documentation> </xss:annotation> </xss:element> <xss:element name="approvedValue" type="storageQuantityType" minOccurs="0" maxOccurs="1"> <xss:annotation> <xss:documentation xml:lang="en">The approved value for storageCapacity (omitted if no sys admin has approved yet)</xss:documentation> <xss:documentation xml:lang="en">Once approved for initial project setup, the approved attribute should also be set to true</xss:documentation> <xss:documentation xml:lang="en">If the Data Sponsor or Data Manager requests a change in storage capacity, then the approval of the new amount will change the approvedValue</xss:documentation> </xss:annotation> </xss:element> </xss:sequence> <xss:attribute ref="approved" default="false"/> <xss:attribute ref="inherited" fixed="false"/> <xss:attribute ref="discoverable" fixed="false"/> <xss:attribute ref="trackingLevel" fixed="InternalUseOnly"/> </xss:complexType></pre>					

</xs:element>

Element storageAndAccess / storageCapacity / storageCapacitySetting

Namespace	No namespace						
Annotations	<p>The current setting for storageCapacity (omitted until approved)</p> <p>After the implementation of the approval, this value should be updated to match the approvedValue</p>						
Diagram	<pre> classDiagram storageCapacitySetting < -- storageQuantityType storageCapacitySetting { <<The current setting for storageCapacity (omitted until approved)>> <<After the implementation of the approval, this value...>> } storageQuantityType { size : xs:decimal unit : byteUnitType <<The numeric size of the storage quantity
The practical limits for floating point values set by Mediaflux are the range...>> <<The logical byte unit for the storage quantity (base-10)>> } storageCapacitySetting --> storageQuantityType </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> <storageCapacitySetting> <size>{1,1}</size> <unit>{1,1}</unit> </storageCapacitySetting> </pre>						
Source	<pre> <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 the implementation of the approval, this value should be updated to match the approvedValue</xs:documentation> </xs:annotation> </xs:element> </pre>						

Element storageAndAccess / storageCapacity / requestedValue

Namespace	No namespace		
Annotations	<p>The requested value for storageCapacity (omitted if no user request was received)</p> <p>This field gets updated when a Data Sponsor or Data Manager requests a change in storage capacity on an active project</p> <p>Depending on the amount requested, a System Administrator may ask the Data Sponsor for more justification for the request</p>		
Diagram	<pre> classDiagram requestedValue < -- storageQuantityType requestedValue { <<The requested value for storageCapacity (omitted if no user request was received)>> <<This field gets updated when a Data...>> } storageQuantityType { size : xs:decimal unit : byteUnitType <<The numeric size of the storage quantity
The practical limits for floating point values set by Mediaflux are the range...>> <<The logical byte unit for the storage quantity (base-10)>> } requestedValue --> storageQuantityType </pre>		
Type	storageQuantityType		
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> </table>	content:	complex
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><xss:element name="requestedValue" type="storageQuantityType" minOccurs="0" maxOccurs="1"> <xss:annotation> <xss:documentation xml:lang="en">The requested value for storageCapacity (omitted if no user request was received)</xss:documentation> <xss:documentation xml:lang="en">This field gets updated when a Data Sponsor or Data Manager requests a change in storage capacity on an active project</xss:documentation> <xss:documentation xml:lang="en">Depending on the amount requested, a System Administrator may ask the Data Sponsor for more justification for the request</xss:documentation> </xss:annotation> </xss:elements></pre>	

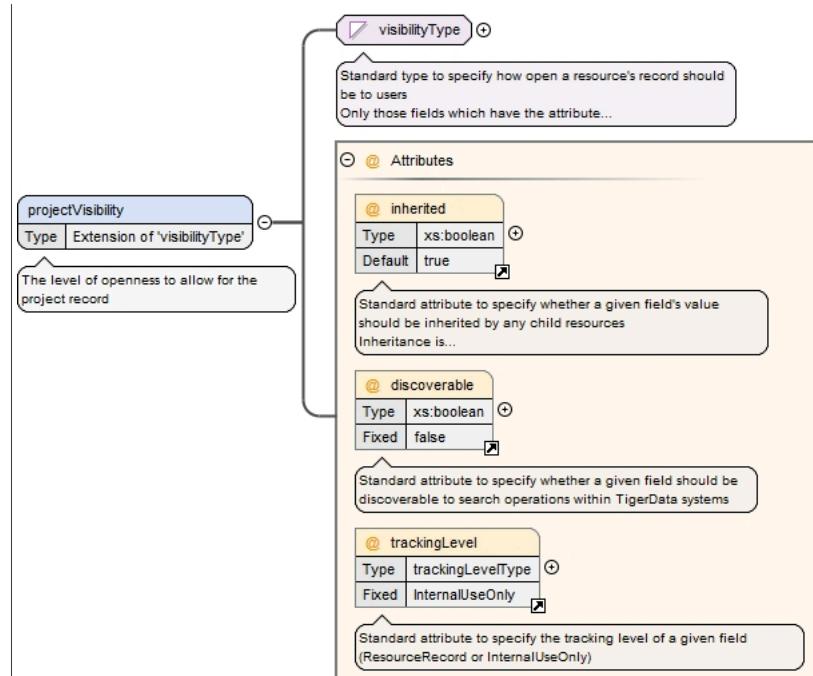
Element storageAndAccess / storageCapacity / approvedValue

Namespace	No namespace
Annotations	<p>The approved value for storageCapacity (omitted if no sys admin has approved yet)</p> <p>Once approved for initial project setup, the approved attribute should also be set to true</p> <p>If the Data Sponsor or Data Manager requests a change in storage capacity, then the approval of the new amount will change the approvedValue</p>
Diagram	<pre> classDiagram storageQuantityType { size : xs:decimal unit : byteUnitType } approvedValue { Type : storageQuantityType } approvedValue --> storageQuantityType </pre>
Type	storageQuantityType
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>
Model	size , unit
Children	size, unit
Instance	<pre><approvedValue> <size>{1,1}</size> <unit>{1,1}</unit> </approvedValue></pre>
Source	<pre><xss:element name="approvedValue" type="storageQuantityType" minOccurs="0" maxOccurs="1"> <xss:annotation> <xss:documentation xml:lang="en">The approved value for storageCapacity (omitted if no sys admin has approved yet)</xss:documentation> <xss:documentation xml:lang="en">Once approved for initial project setup, the approved attribute should also be set to true</xss:documentation> <xss:documentation xml:lang="en">If the Data Sponsor or Data Manager requests a change in storage capacity, then the approval of the new amount will change the approvedValue</xss:documentation> </xss:annotation> </xss:elements></pre>

Element storageAndAccess / projectVisibility

Namespace	No namespace
Annotations	The level of openness to allow for the project record

Diagram



Type	extension of visibilityType																																							
Type hierarchy	<ul style="list-style-type: none"> • xs:string • visibilityType 																																							
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>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 any 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	true		optional		Standard attribute to specify whether a given field's value should be inherited by any child resources				trackingLevel	trackingLevelType	InternalUseOnly		optional		Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)			
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	Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)																																							
Source	<pre> <xs:element name="projectVisibility" minOccurs="1" maxOccurs="1"> <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

	<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 storagePerformance { @ approved : xs:boolean @ inherited : xs:boolean @ discoverable : xs:boolean @ trackingLevel : trackingLevelType storagePerformanceSetting : storagePerformanceSetting } class storagePerformanceSetting { @ requestedValue : storagePerformanceType @ approvedValue : storagePerformanceType } </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																								
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minOccurs:	1																														
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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>																														
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	QName	Type	Fixed	Default	Use	
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		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="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 the implementation of the approval, this value should be updated to match the approvedValue</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:documentation xml:lang="en">This field gets updated when a Data Sponsor or Data Manager requests a change in storage performance on an active project</xs:documentation> <xs:documentation xml:lang="en">Depending on the level requested, a System Administrator may ask the Data Sponsor for more justification for the request</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:documentation xml:lang="en">If the Data Sponsor or Data Manager requests a change in storage performance, then the approval of the new level will change the approvedValue</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></pre>				

Element storageAndAccess / storagePerformance / storagePerformanceSetting

Namespace	No namespace						
Annotations	The current setting for storagePerformance (omitted until approved) After the implementation of the approval, this value should be updated to match the approvedValue						
Diagram	<pre> classDiagram class storagePerformanceSetting { Type } class storagePerformanceType { Object } storagePerformanceSetting "1" --> "1" storagePerformanceType note over storagePerformanceSetting: The current setting for storagePerformance (omitted until approved) After the implementation of the approval, this... note over storagePerformanceType: Standard type that defines the controlled vocabulary for storage performance values </pre>						
Type	storagePerformanceType						
Properties	<table border="1"> <tbody> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </tbody> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

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, expected 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> <p>A special request may be required for this tier</p>
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 the implementation of the approval, this value should be updated to match the approvedValue</xs:documentation> </xs:annotation> </xs:element></pre>		

Element storageAndAccess / storagePerformance / requestedValue

Namespace	No namespace		
Annotations	<p>The requested value for storagePerformance (omitted if no user request was received)</p> <p>This field gets updated when a Data Sponsor or Data Manager requests a change in storage performance on an active project</p> <p>Depending on the level requested, a System Administrator may ask the Data Sponsor for more justification for the request</p>		
Diagram	<pre> classDiagram class requestedValue { Type storagePerformanceType } class storagePerformanceType { performance values } requestedValue "0..1" -- "1..1" storagePerformanceType note over requestedValue: The requested value for storagePerformance (omitted if no user request was received) This field gets updated when a... note over storagePerformanceType: Standard type that defines the controlled vocabulary for storage performance values </pre>		
Type	storagePerformanceType		
Properties	content:	simple	
	minOccurs:	0	
	maxOccurs:	1	
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	enumeration	Standard	<p>The middle storage tier for TigerData, expected as a default</p> <p>Appropriate for data that is accessed occasionally but infrequently edited, i.e. cool storage</p>

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	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
		A special request may be required for this tier
Source	<pre><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:documentation xml:lang="en">This field gets updated when a Data Sponsor or Data Manager requests a change in storage performance on an active project</xs:documentation> <xs:documentation xml:lang="en">Depending on the level requested, a System Administrator may ask the Data Sponsor for more justification for the request</xs:documentation> </xs:annotation> </xs:element></pre>	

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> <p>If the Data Sponsor or Data Manager requests a change in storage performance, then the approval of the new level will change the approvedValue</p>																															
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Source	<pre><xs:element name="approvedValue" type="storagePerformanceType" minOccurs="0" maxOccurs="1"> <xs:annotation></pre>																															

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<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>
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performance, then the approval of the new level will change the approvedValue</xs:documentation>
</xs:annotation>
</xs:element>

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Element storageAndAccess / numberOfFiles

Namespace	No namespace																																								
Annotations	The estimated number of files the project will incorporate (default is Less than 10,000)																																								
Diagram	<p>The diagram illustrates the structure of the <code>numberOfFiles</code> element. It is defined as an extension of <code>fileEstimateType</code>. The element has three attributes:</p> <ul style="list-style-type: none"> <code>@inherited</code>: Standard attribute to specify whether a given field's value should be inherited by any 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). <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). 																																								
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```

<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>

```

Element storageAndAccess / hpc

Namespace	No namespace																																			
Annotations	<p>Whether the project is expected to connect to high performance computing resources (default is No)</p> <p>This value must be Yes for a project to be mounted to any HPC cluster</p> <p>If this value is No, then smbEnable is likely needed</p> <p>If this value is Not Sure, then a System Administrator should follow up with the Data Sponsor to clarify needs</p>																																			
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 (default is No) This value must be...>> } hpc < -- hpcType hpcType < -- fileEstimateType hpcType <--> @inherited hpcType <--> @discoverable hpcType <--> @trackingLevel </pre> <p>The diagram illustrates the schema structure for the <code>hpc</code> element. It shows <code>hpc</code> as an extension of <code>fileEstimateType</code>. The <code>hpc</code> element has three attributes: <code>@inherited</code>, <code>@discoverable</code>, and <code>@trackingLevel</code>. Each attribute is described with its type, default value, and a detailed description of its purpose.</p>																																			
Type	extension of <code>hpcType</code>																																			
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inherited	<code>xs:boolean</code>	true		optional																																
	Standard attribute to specify whether a given field's value should be inherited by any 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)																																			

Source	<pre> <xss:element name="hpc" minOccurs="1" maxOccurs="1" default="No"> <xss:annotation> <xss:documentation xml:lang="en">Whether the project is expected to connect to high performance computing resources (default is No)</xss:documentation> <xss:documentation xml:lang="en">This value must be Yes for a project to be mounted to any HPC cluster</xss:documentation> <xss:documentation xml:lang="en">If this value is No, then smbEnable is likely needed</xss:documentation> </xss:annotation> <xss:complexType> <xss:simpleContent> <xss:extension base="hpcType"> <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>
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Element storageAndAccess / accessPoints

Namespace	No namespace
Annotations	<p>Records requests/approvals and settings for SMB shares and Globus endpoints</p> <p>If this element is present, then it should contain at least one sub-element</p>
Diagram	<pre> classDiagram class accessPoints { @inherited : xs:boolean @discoverable : xs:boolean @trackingLevel : trackingLevelType smbEnable globusEnable globusCollection[0..100] } </pre>
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>
Model	smbEnable , globusEnable , globusCollection{0,100}
Children	globusCollection, globusEnable, smbEnable
Instance	<pre> <accessPoints discoverable="false" inherited="false" trackingLevel="InternalUseOnly"> <smbEnable approved="false">{1,1}</smbEnable> <globusEnable approved="false">{1,1}</globusEnable> </pre>

	<pre><globusCollection>{0,100}</globusCollection> </accessPoints></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	false	optional	
	Standard attribute to specify whether a given field's value should be inherited by any 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><x:element name="accessPoints" minOccurs="0" maxOccurs="1"> <x:annotation> <x:documentation xml:lang="en">Records requests/approvals and settings for SMB shares and Globus endpoints</x:documentation> <x:documentation xml:lang="en">If this element is present, then it should contain at least one sub-element</x:documentation> </x:annotation> <x:complexType> <x:sequence> <x:element name="smbEnable" minOccurs="1" maxOccurs="1"> <x:annotation> <x:documentation xml:lang="en">Whether a project has an SMB share enabled</x:documentation> <x:documentation xml:lang="en">By default, projects do not get an SMB share, but if the hpc value is No, then smbEnable is likely needed</x:documentation> <x:documentation xml:lang="en">If an SMB share is approved and set, then the SMB path should be included in projectDirectoryPath</x:documentation> </x:annotation> <x:complexType> <x:sequence> <x:element name="smbEnableSetting" type="xs:boolean" maxOccurs="1" default="false"> <x:annotation> <x:documentation xml:lang="en">The current setting for smbEnable (false by default)</x:documentation> </x:annotation> </x:element> <x:element name="requestedValue" type="xs:boolean" maxOccurs="1" default="false"> <x:annotation> <x:documentation xml:lang="en">The requested value for smbEnable (false by default)</x:documentation> </x:annotation> </x:element> <x:element name="approvedValue" type="xs:boolean" maxOccurs="1" default="false"> <x:annotation> <x:documentation xml:lang="en">The approved value for smbEnable (false by default)</x:documentation> </x:annotation> </x:element> </x:sequence> <x:attribute ref="approved" default="false" /> </x:complexType> </x:element> <x:element name="globusEnable" minOccurs="1" maxOccurs="1"> <x:annotation> <x:documentation xml:lang="en">Whether a project has a Globus collection enabled</x:documentation> <x:documentation xml:lang="en">By default, projects do not get a Globus collection</x:documentation> <x:documentation xml:lang="en">If a Globus collection is approved and set, then the details should be given in globusCollection</x:documentation> </x:annotation> <x:complexType> <x:sequence> <x:element name="globusEnableSetting" type="xs:boolean" maxOccurs="1" default="false"> <x:annotation> <x:documentation xml:lang="en">The current setting for globusEnable (false by default)</x:documentation> </x:annotation> </x:element> </x:sequence> </x:complexType> </x:element> </x:sequence> </x:complexType></pre>				

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<xs:element name="requestedValue" type="xs:boolean" maxOccurs="1" default="false">
    <xs:annotation>
        <xs:documentation xml:lang="en">The requested value for globusEnable (false by
default)</xs:documentation>
    </xs:annotation>
</xs:element>
<xs:element name="approvedValue" type="xs:boolean" maxOccurs="1" default="false">
    <xs:annotation>
        <xs:documentation xml:lang="en">The approved value for globusEnable (false by
default)</xs:documentation>
        <xs:documentation xml:lang="en">If approvedValue is true, then globusEnableSetting
and the approved attribute should also be set to true</xs:documentation>
    </xs:annotation>
</xs:element>
</xs:sequence>
<xs:attribute ref="approved" default="false"/>
</xs:complexType>
</xs:element>
<xs:element name="globusCollection" minOccurs="0" maxOccurs="100">
    <xs:annotation>
        <xs:documentation xml:lang="en">Details for an enabled Globus collection for the project</
xs:documentation>
        <xs:documentation xml:lang="en">If globusEnableSetting is true, then at least one
globusCollection value set should be given</xs:documentation>
        <xs:documentation xml:lang="en">If no Globus collection is approved, then this field
should be omitted</xs:documentation>
    </xs:annotation>
</xs:complexType>
</xs:sequence>
<xs:element name="globusName" type="textType" minOccurs="1" maxOccurs="1">
    <xs:annotation>
        <xs:documentation xml:lang="en">The Globus collection name (required)</
xs:documentation>
        <xs:documentation xml:lang="en">The naming convention is "Princeton TigerData -
parent-folder/project-folder"</xs:documentation>
    </xs:annotation>
</xs:element>
<xs:element name="globusUUID" type="uuidType" minOccurs="1" maxOccurs="1">
    <xs:annotation>
        <xs:documentation xml:lang="en">The Globus collection universally unique identifier
(required)</xs:documentation>
        <xs:documentation xml:lang="en">The value is expected to be 32 hexadecimal digits in
8-4-4-4-12 format</xs:documentation>
    </xs:annotation>
</xs:element>
<xs:element name="globusOwner" type="userType" minOccurs="1" maxOccurs="1">
    <xs:annotation>
        <xs:documentation xml:lang="en">The Globus collection owner, given as a TigerData
userType (required)</xs:documentation>
        <xs:documentation xml:lang="en">The owner is typically the project's Data Manager</
xs:documentation>
    </xs:annotation>
</xs:element>
<xs:element name="globusURL" type="xs:anyURI" minOccurs="0" maxOccurs="1">
    <xs:annotation>
        <xs:documentation xml:lang="en">The Globus collection URL (optional)</
xs:documentation>
        <xs:documentation xml:lang="en">The expected format for a Globus collection URL is
https://app.globus.org/file-manager?origin_id=[uuid]</xs:documentation>
    </xs:annotation>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:sequence>
<xs:attribute ref="inherited" fixed="false"/>
<xs:attribute ref="discoverable" fixed="false"/>
<xs:attribute ref="trackingLevel" fixed="InternalUseOnly"/>
</xs:complexType>
</xs:element>

```

Element storageAndAccess / accessPoints / smbEnable

Namespace	No namespace
Annotations	<p>Whether a project has an SMB share enabled</p> <p>By default, projects do not get an SMB share, but if the hpc value is No, then smbEnable is likely needed</p> <p>If an SMB share is approved and set, then the SMB path should be included in projectDirectoryPath</p>

Diagram	<pre> classDiagram class Attributes { @ approved Type xs:boolean Default false } class smbEnableSetting { Type xs:boolean Default false } class requestedValue { Type xs:boolean Default false } class approvedValue { Type xs:boolean Default false } Attributes < -- approved smbEnableSetting < -- smbEnableSetting requestedValue < -- requestedValue approvedValue < -- approvedValue approved --> smbEnableSetting smbEnableSetting --> requestedValue requestedValue --> approvedValue </pre>																				
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;">1</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">1</td></tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1														
content:	complex																				
minOccurs:	1																				
maxOccurs:	1																				
Model	smbEnableSetting , requestedValue , approvedValue																				
Children	approvedValue, requestedValue, smbEnableSetting																				
Instance	<pre> <smbEnable approved="false"> <smbEnableSetting>{1,1}</smbEnableSetting> <requestedValue>{1,1}</requestedValue> <approvedValue>{1,1}</approvedValue> </smbEnable> </pre>																				
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">QName</th><th style="width: 20%;">Type</th><th style="width: 20%;">Default</th><th style="width: 20%;">Use</th><th style="width: 20%;"></th></tr> </thead> <tbody> <tr> <td>approved</td><td>xs:boolean</td><td>false</td><td>optional</td><td></td></tr> <tr> <td></td><td></td><td></td><td></td><td>Standard attribute to specify whether a given field has an approved value</td></tr> <tr> <td></td><td></td><td></td><td></td><td>Applies to fields which have a request-approval framework, including projectDirectory, storageCapacity, and storagePerformance</td></tr> </tbody> </table>	QName	Type	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
QName	Type	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																	
Source	<pre> <xs:element name="smbEnable" minOccurs="1" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">Whether a project has an SMB share enabled</xs:documentation> <xs:documentation xml:lang="en">By default, projects do not get an SMB share, but if the hpc value is No, then smbEnable is likely needed</xs:documentation> <xs:documentation xml:lang="en">If an SMB share is approved and set, then the SMB path should be included in projectDirectoryPath</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="smbEnableSetting" type="xs:boolean" maxOccurs="1" default="false"> <xs:annotation> <xs:documentation xml:lang="en">The current setting for smbEnable (false by default)</xs:documentation> </xs:annotation> </xs:element> <xs:element name="requestedValue" type="xs:boolean" maxOccurs="1" default="false"> <xs:annotation> <xs:documentation xml:lang="en">The requested value for smbEnable (false by default)</xs:documentation> </xs:annotation> </xs:element> <xs:element name="approvedValue" type="xs:boolean" maxOccurs="1" default="false"> <xs:annotation> <xs:documentation xml:lang="en">The approved value for smbEnable (false by default)</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>																				

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</xs:annotation>
</xs:element>
</xs:sequence>
<xs:attribute ref="approved" default="false"/>
</xs:complexType>
</xs:elements>

```

Element storageAndAccess / accessPoints / smbEnable / smbEnableSetting

Namespace	No namespace						
Annotations	The current setting for smbEnable (false by default)						
Diagram	<p>A UML class diagram showing the element as a class named 'smbEnableSetting'. It has three compartments: 'Type' containing 'xs:boolean', 'Default' containing 'false', and a note below stating 'The current setting for smbEnable (false by default)'. A relationship line connects the class to a 'xs:boolean' primitive type, with a note indicating it's a built-in primitive type defining boolean values true and false.</p>						
Type	xs:boolean						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> <tr> <td>default:</td> <td>false</td> </tr> </table>	content:	simple	maxOccurs:	1	default:	false
content:	simple						
maxOccurs:	1						
default:	false						
Source	<pre> <xs:element name="smbEnableSetting" type="xs:boolean" maxOccurs="1" default="false"> <xs:annotation> <xs:documentation xml:lang="en">The current setting for smbEnable (false by default)</ xs:documentation> </xs:annotation> </xs:element> </pre>						

Element storageAndAccess / accessPoints / smbEnable / requestedValue

Namespace	No namespace						
Annotations	The requested value for smbEnable (false by default)						
Diagram	<p>A UML class diagram showing the element as a class named 'requestedValue'. It has three compartments: 'Type' containing 'xs:boolean', 'Default' containing 'false', and a note below stating 'The requested value for smbEnable (false by default)'. A relationship line connects the class to a 'xs:boolean' primitive type, with a note indicating it's a built-in primitive type defining boolean values true and false.</p>						
Type	xs:boolean						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> <tr> <td>default:</td> <td>false</td> </tr> </table>	content:	simple	maxOccurs:	1	default:	false
content:	simple						
maxOccurs:	1						
default:	false						
Source	<pre> <xs:element name="requestedValue" type="xs:boolean" maxOccurs="1" default="false"> <xs:annotation> <xs:documentation xml:lang="en">The requested value for smbEnable (false by default)</ xs:documentation> </xs:annotation> </xs:element> </pre>						

Element storageAndAccess / accessPoints / smbEnable / approvedValue

Namespace	No namespace
Annotations	<p>The approved value for smbEnable (false by default)</p> <p>If approvedValue is true, then smbEnableSetting and the approved attribute should also be set to true</p>
Diagram	<p>A UML class diagram showing the element as a class named 'approvedValue'. It has three compartments: 'Type' containing 'xs:boolean', 'Default' containing 'false', and a note below stating 'The approved value for smbEnable (false by default)'. If approvedValue is true, then smbEnableSetting and the approved... A relationship line connects the class to a 'xs:boolean' primitive type, with a note indicating it's a built-in primitive type defining boolean values true and false.</p>
Type	xs:boolean

Properties	content: simple maxOccurs: 1 default: false
Source	<pre><xss:element name="approvedValue" type="xs:boolean" maxOccurs="1" default="false"> <xss:annotation> <xss:documentation xml:lang="en">The approved value for smbEnable (false by default)</xss:documentation> <xss:documentation xml:lang="en">If approvedValue is true, then smbEnableSetting and the approved attribute should also be set to true</xss:documentation> </xss:annotation> </xss:element></pre>

Element storageAndAccess / accessPoints / globusEnable

Namespace	No namespace												
Annotations	<p>Whether a project has a Globus collection enabled</p> <p>By default, projects do not get a Globus collection</p> <p>If a Globus collection is approved and set, then the details should be given in globusCollection</p>												
Diagram	<pre> classDiagram class globusEnable { @ approved Type xs:boolean Default false Note 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 globusEnableSetting Type xs:boolean Default false Note The current setting for globusEnable (false by default) requestedValue Type xs:boolean Default false Note The requested value for globusEnable (false by default) approvedValue Type xs:boolean Default false Note The approved value for globusEnable (false by default) If approvedValue is true, then globusEnableSetting and the... } </pre>												
Properties	content: complex minOccurs: 1 maxOccurs: 1												
Model	globusEnableSetting , requestedValue , approvedValue												
Children	approvedValue, globusEnableSetting, requestedValue												
Instance	<pre><globusEnable approved="false"> <globusEnableSetting>{1,1}</globusEnableSetting> <requestedValue>{1,1}</requestedValue> <approvedValue>{1,1}</approvedValue> </globusEnable></pre>												
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>approved</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 has an approved value Applies to fields which have a request-approval framework, including projectDirectory, storageCapacity, and storagePerformance</td></tr> </tbody> </table>	QName	Type	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		
QName	Type	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												
Source	<pre><xss:element name="globusEnable" minOccurs="1" maxOccurs="1"> <xss:annotation> <xss:documentation xml:lang="en">Whether a project has a Globus collection enabled</xss:documentation></pre>												

```

<xs:documentation xml:lang="en">By default, projects do not get a Globus collection</
xs:documentation>
<xs:documentation xml:lang="en">If a Globus collection is approved and set, then the details
should be given in globusCollection</xs:documentation>
</xs:annotation>
<xs:complexType>
  <xs:sequence>
    <xs:element name="globusEnableSetting" type="xs:boolean" maxOccurs="1" default="false">
      <xs:annotation>
        <xs:documentation xml:lang="en">The current setting for globusEnable (false by default)</
xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="requestedValue" type="xs:boolean" maxOccurs="1" default="false">
      <xs:annotation>
        <xs:documentation xml:lang="en">The requested value for globusEnable (false by default)</
xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="approvedValue" type="xs:boolean" maxOccurs="1" default="false">
      <xs:annotation>
        <xs:documentation xml:lang="en">The approved value for globusEnable (false by default)</
xs:documentation>
      </xs:annotation>
    </xs:element>
  </xs:sequence>
  <xs:attribute ref="approved" default="false"/>
</xs:complexType>
</xs:elements>

```

Element storageAndAccess / accessPoints / globusEnable / globusEnableSetting

Namespace	No namespace						
Annotations	The current setting for globusEnable (false by default)						
Diagram	<pre> classDiagram class globusEnableSetting { Type xs:boolean Default false } xs:boolean "Built-in primitive type. It defines the boolean values true and false." globusEnableSetting --o xs:boolean note over globusEnableSetting: The current setting for globusEnable (false by default) note over xs:boolean: Built-in primitive type. It defines the boolean values true and false. </pre>						
Type	xs:boolean						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> <tr> <td>default:</td> <td>false</td> </tr> </table>	content:	simple	maxOccurs:	1	default:	false
content:	simple						
maxOccurs:	1						
default:	false						
Source	<pre> <xs:element name="globusEnableSetting" type="xs:boolean" maxOccurs="1" default="false"> <xs:annotation> <xs:documentation xml:lang="en">The current setting for globusEnable (false by default)</ xs:documentation> </xs:annotation> </xs:element> </pre>						

Element storageAndAccess / accessPoints / globusEnable / requestedValue

Namespace	No namespace						
Annotations	The requested value for globusEnable (false by default)						
Diagram	<pre> classDiagram class requestedValue { Type xs:boolean Default false } xs:boolean "Built-in primitive type. It defines the boolean values true and false." requestedValue --o xs:boolean note over requestedValue: The requested value for globusEnable (false by default) note over xs:boolean: Built-in primitive type. It defines the boolean values true and false. </pre>						
Type	xs:boolean						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> <tr> <td>default:</td> <td>false</td> </tr> </table>	content:	simple	maxOccurs:	1	default:	false
content:	simple						
maxOccurs:	1						
default:	false						
Source	<pre> <xs:element name="requestedValue" type="xs:boolean" maxOccurs="1" default="false"> </pre>						

```

<xs:annotation>
  <xs:documentation xml:lang="en">The requested value for globusEnable (false by default)</
  xs:documentation>
</xs:annotation>
</xs:element>

```

Element storageAndAccess / accessPoints / globusEnable / approvedValue

Namespace	No namespace						
Annotations	<p>The approved value for globusEnable (false by default)</p> <p>If approvedValue is true, then globusEnableSetting and the approved attribute should also be set to true</p>						
Diagram	<pre> classDiagram class approvedValue { Type xs:boolean Default false } xs.boolean < -- approvedValue note over xs.boolean: Built-in primitive type. It defines the boolean values true and false. note over approvedValue: The approved value for globusEnable (false by default) note over approvedValue: If approvedValue is true, then globusEnableSetting and the... </pre>						
Type	xs:boolean						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> <tr> <td>default:</td> <td>false</td> </tr> </table>	content:	simple	maxOccurs:	1	default:	false
content:	simple						
maxOccurs:	1						
default:	false						
Source	<pre> <xs:element name="approvedValue" type="xs:boolean" maxOccurs="1" default="false"> <xs:annotation> <xs:documentation xml:lang="en">The approved value for globusEnable (false by default)</ xs:documentation> <xs:documentation xml:lang="en">If approvedValue is true, then globusEnableSetting and the approved attribute should also be set to true</xs:documentation> </xs:annotation> </xs:element> </pre>						

Element storageAndAccess / accessPoints / globusCollection

Namespace	No namespace						
Annotations	<p>Details for an enabled Globus collection for the project</p> <p>If globusEnableSetting is true, then at least one globusCollection value set should be given</p> <p>If no Globus collection is approved, then this field should be omitted</p>						
Diagram	<pre> classDiagram class globusCollection { globusName : textType globusUUID : uuidType globusOwner : userType globusURL : xs:anyURI } note over globusCollection: Details for an enabled Globus collection for the project note over globusCollection: If globusEnableSetting is true, then at least one... note over globusName: The Globus collection name (required) note over globusName: The naming convention is "Princeton TigerData - parent-folder/project-folder" note over globusUUID: The Globus collection universally unique identifier (required) note over globusUUID: The value is expected to be 32 hexadecimal digits in... note over globusOwner: The Globus collection owner, given as a TigerData note over globusOwner: userType (required) note over globusOwner: The owner is typically the project's Data Manager note over globusURL: The Globus collection URL (optional) note over globusURL: The expected format for a Globus collection URL is... </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	globusName , globusUUID , globusOwner , globusURL{0,1}
Children	globusName, globusOwner, globusURL, globusUUID
Instance	<pre><globusCollection> <globusName xml:lang="en">{1,1}</globusName> <globusUUID>{1,1}</globusUUID> <globusOwner userID="" userIDType="NetID">{1,1}</globusOwner> <globusURL>{0,1}</globusURL> </globusCollection></pre>
Source	<pre><xss:element name="globusCollection" minOccurs="0" maxOccurs="100"> <xss:annotation> <xss:documentation xml:lang="en">Details for an enabled Globus collection for the project</xss:documentation> <xss:documentation xml:lang="en">If globusEnableSetting is true, then at least one globusCollection value set should be given</xss:documentation> <xss:documentation xml:lang="en">If no Globus collection is approved, then this field should be omitted</xss:documentation> </xss:annotation> <xss:complexType> <xss:sequence> <xss:element name="globusName" type="textType" minOccurs="1" maxOccurs="1"> <xss:annotation> <xss:documentation xml:lang="en">The Globus collection name (required)</xss:documentation> <xss:documentation xml:lang="en">The naming convention is "Princeton TigerData - parent-folder/project-folder"</xss:documentation> </xss:annotation> </xss:element> <xss:element name="globusUUID" type="uuidType" minOccurs="1" maxOccurs="1"> <xss:annotation> <xss:documentation xml:lang="en">The Globus collection universally unique identifier (required)</xss:documentation> <xss:documentation xml:lang="en">The value is expected to be 32 hexadecimal digits in 8-4-4-4-12 format</xss:documentation> </xss:annotation> </xss:element> <xss:element name="globusOwner" type="userType" minOccurs="1" maxOccurs="1"> <xss:annotation> <xss:documentation xml:lang="en">The Globus collection owner, given as a TigerData userType (required)</xss:documentation> <xss:documentation xml:lang="en">The owner is typically the project's Data Manager</xss:documentation> </xss:annotation> </xss:element> <xss:element name="globusURL" type="xs:anyURI" minOccurs="0" maxOccurs="1"> <xss:annotation> <xss:documentation xml:lang="en">The Globus collection URL (optional)</xss:documentation> <xss:documentation xml:lang="en">The expected format for a Globus collection URL is https://app.globus.org/file-manager?origin_id=[uuid]</xss:documentation> </xss:annotation> </xss:element> </xss:sequence> </xss:complexType> </xss:element></pre>

Element storageAndAccess / accessPoints / globusCollection / globusName

Namespace	No namespace
Annotations	<p>The Globus collection name (required)</p> <p>The naming convention is "Princeton TigerData - parent-folder/project-folder"</p>
Diagram	

Type	textType			
Type hierarchy	<ul style="list-style-type: none"> • xs:string • limitedTextType • textType 			
Properties	<p>content: complex</p> <p>minOccurs: 1</p> <p>maxOccurs: 1</p>			
Attributes	QName xml:lang	Type union of(xs:language, restriction of xs:string)	Default en	Use optional
		<pre><div> <h3>lang (as an attribute name)</h3> <p>denotes an attribute whose value is a language code for the natural language of the content of any element; its value is inherited. This name is reserved by virtue of its definition in the XML specification.</p> </div> <div> <h4>Notes</h4> <p>Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility.</p> <p>See BCP 47 at http://www.rfc-editor.org/rfc/bcp/bcp47.txtand the IANA language subtag registry at http://www.iana.org/assignments/language-subtag-registryfor further information.</p> <p>The union allows for the 'un-declaration' of xml:lang with the empty string.</p> </div></pre>		
Source	<pre><xs:element name="globusName" type="textType" minOccurs="1" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The Globus collection name (required)</xs:documentation> <xs:documentation xml:lang="en">The naming convention is "Princeton TigerData - parent-folder/project-folder"</xs:documentation> </xs:annotation> </xs:element></pre>			

Element storageAndAccess / accessPoints / globusCollection / globusUUID

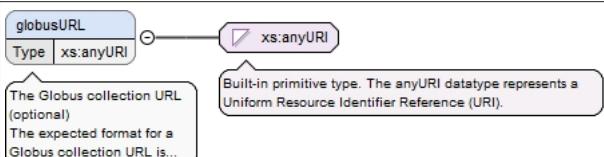
Namespace	No namespace
Annotations	<p>The Globus collection universally unique identifier (required)</p> <p>The value is expected to be 32 hexadecimal digits in 8-4-4-4-12 format</p>
Diagram	
Type	uuidType
Properties	<p>content: simple</p> <p>minOccurs: 1</p> <p>maxOccurs: 1</p>
Facets	pattern [\w-] { 32, 36 }
Source	<pre><xs:element name="globusUUID" type="uuidType" minOccurs="1" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The Globus collection universally unique identifier (required)</xs:documentation> <xs:documentation xml:lang="en">The value is expected to be 32 hexadecimal digits in 8-4-4-4-12 format</xs:documentation> </xs:annotation> </xs:element></pre>

Element storageAndAccess / accessPoints / globusCollection / globusOwner

Namespace	No namespace				
Annotations	<p>The Globus collection owner, given as a TigerData userType (required)</p> <p>The owner is typically the project's Data Manager</p>				
Diagram	<pre> classDiagram class userType { @userID : netIDType netID : netIDType PUID : puidType orcid : xs:anyURI fullName : limitedTextType givenName : limitedTextType familyName : limitedTextType nameDate : dateOrRangeType alternativeNameIdentifier : Extension of 'xs:string' } class globusOwner { Type userType } globusOwner --> userType userType < -- globusOwner </pre> <p>The diagram illustrates the structure of the <code>userType</code> element. It contains the following attributes:</p> <ul style="list-style-type: none"> <code>@userID</code>: <code>netIDType</code>. Description: Specifies the (locally) unique user ID. If a value is given for the sub-element <code>netID</code>, then it should match the value... <code>netID</code>: <code>netIDType</code>. Description: The Princeton University NetID (also called the OIT NetID) is the name or user-id that identifies a person to a... <code>PUID</code>: <code>puidType</code>. Description: The Princeton University ID (aka Student ID, Employee ID, EMPLID, Princeton ID, or PUID) is a unique nine digit... <code>orcid</code>: <code>xs:anyURI</code>. Description: The ORCID ID URL for the person in a given role, if available and if verified as valid against the ORCID API upon entry. <code>fullName</code>: <code>limitedTextType</code>. Description: The full name of the person in a given role, verified in the format family-comma-given and matching the corresponding... <code>givenName</code>: <code>limitedTextType</code>. Description: The given name(s) of the person in a given role. If the person has multiple given names, then all should be included in... <code>familyName</code>: <code>limitedTextType</code>. Description: The family name(s) of the person in a given role. If the person has multiple family names, then all should be included... <code>nameDate</code>: <code>dateOrRangeType</code>. Description: The date at which the name metadata was recorded. <code>alternativeNameIdentifier</code>: <code>Extension of 'xs:string'</code>. Description: Records alternative (non-ORCID) identifier(s) for the person in a given role. <p>A note at the bottom states: Standard type used for user fields. Given the required attribute <code>userID</code>, all sub-elements are optional, so the element...</p>				
Type	<code>userType</code>				
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1
content:	complex				
minOccurs:	1				

	maxOccurs:	1																																
Model	netID{0,1} , PUID{0,1} , orcid{0,1} , fullName{0,1} , givenName{0,1} , familyName{0,1} , nameDate{0,1} , alternativeNameIdentifier{0,100}																																	
Children	PUID, alternativeNameIdentifier, familyName, fullName, givenName, nameDate, netID, orcid																																	
Instance	<globusOwner userID="" userIDType="NetID"> <netID>{0,1}</netID> <PUID>{0,1}</PUID> <orcid>{0,1}</orcid> <fullName>{0,1}</fullName> <givenName>{0,1}</givenName> <familyName>{0,1}</familyName> <nameDate>{0,1}</nameDate> <alternativeNameIdentifier nameIdentifierSchema="" schemaURI="">{0,100}</alternativeNameIdentifier> </globusOwner>																																	
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">QName</th> <th style="text-align: left; padding: 2px;">Type</th> <th style="text-align: left; padding: 2px;">Fixed</th> <th style="text-align: left; padding: 2px;">Use</th> <th style="text-align: left; padding: 2px;"></th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">userID</td><td style="padding: 2px;">netIDType</td><td style="padding: 2px;"></td><td style="padding: 2px;">required</td><td style="padding: 2px;"></td></tr> <tr> <td></td><td></td><td></td><td></td><td>Specifies the (locally) unique user ID</td></tr> <tr> <td></td><td></td><td></td><td></td><td>If a value is given for the sub-element netID, then it should match the value given for userID</td></tr> <tr> <td style="padding: 2px;">userIDType</td><td style="padding: 2px;">xs:string</td><td style="padding: 2px;">NetID</td><td style="padding: 2px;">optional</td><td style="padding: 2px;"></td></tr> <tr> <td></td><td></td><td></td><td></td><td>Makes explicit that Princeton NetIDs are always used as the identifier for the userID attribute</td></tr> </tbody> </table>	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 the userID attribute			
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Source	<xs:element name="globusOwner" type="userType" minOccurs="1" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The Globus collection owner, given as a TigerData userType (required)</xs:documentation> <xs:documentation xml:lang="en">The owner is typically the project's Data Manager</xs:documentation> </xs:annotation> </xs:element>																																	

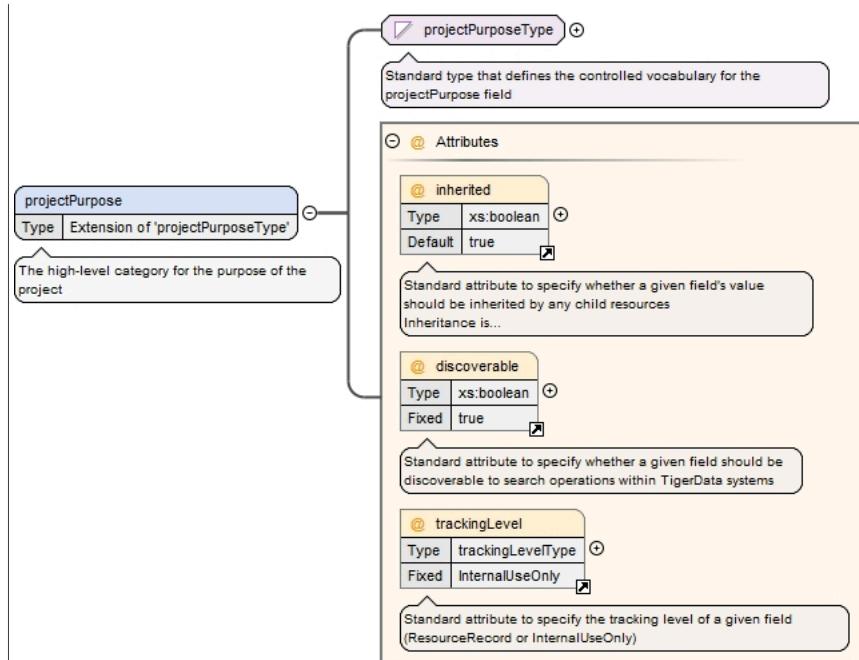
Element storageAndAccess / accessPoints / globusCollection / globusURL

Namespace	No namespace						
Annotations	<p>The Globus collection URL (optional)</p> <p>The expected format for a Globus collection URL is https://app.globus.org/file-manager?origin_id=[uuid]</p>						
Diagram	 <pre> classDiagram class globusURL { Type xs:anyURI } globusURL "The Globus collection URL (optional) The expected format for a Globus collection URL is..." --> xs:anyURI : "Built-in primitive type. The anyURI datatype represents a Uniform Resource Identifier Reference (URI)." </pre>						
Type	xs:anyURI						
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">content:</td> <td style="width: 85%;">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	<xs:element name="globusURL" type="xs:anyURI" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The Globus collection URL (optional)</xs:documentation> <xs:documentation xml:lang="en">The expected format for a Globus collection URL is https://app.globus.org/file-manager?origin_id=[uuid] </xs:documentation> </xs:annotation> </xs:element>						

Element additionalProjectInformation / projectPurpose

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

Diagram



Type	extension of projectPurposeType																																															
Type hierarchy	<ul style="list-style-type: none"> • <code>xs:string</code> • <code>projectPurposeType</code> 																																															
Properties	<p>content: complex</p> <p>minOccurs: 1</p> <p>maxOccurs: 1</p>																																															
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Element additionalProjectInformation / provisionalProject

Namespace	No namespace
Annotations	Whether the project is provisional, i.e., temporary, experimental, or intended for testing purposes only (default false)

If the value is true, then limitations may be placed on other fields, e.g. storageCapacity, storagePerformance, and endDate

If the value is false, then the project is considered standard and the provisional limitations are not imposed

Whether provisional or standard, the same fields are required for all projects

Diagram	<pre> classDiagram class provisionalProject { <<Extension of xs:boolean>> <<false>> } class xsboolean { <<Built-in primitive type. It defines the boolean values true and false.>> } provisionalProject "1..>" xsboolean xsboolean "1..>" @inherited xsboolean "1..>" @discoverable xsboolean "1..>" @trackingLevel </pre> <p>The diagram illustrates the inheritance of the <code>xs:boolean</code> type from the <code>provisionalProject</code> element. The <code>provisionalProject</code> element is defined as an extension of <code>xs:boolean</code> with a default value of <code>false</code>. It inherits three attributes from <code>xs:boolean</code>: <code>@inherited</code>, <code>@discoverable</code>, and <code>@trackingLevel</code>. The <code>@inherited</code> attribute is set to <code>true</code>, indicating it should be inherited by child resources. The <code>@discoverable</code> and <code>@trackingLevel</code> attributes are also set to <code>true</code>.</p>																																			
Type	extension of <code>xs:boolean</code>																																			
Properties	<table border="1"> <tr> <td data-bbox="303 1073 489 1105">content:</td><td data-bbox="536 1073 632 1105">complex</td></tr> <tr> <td data-bbox="303 1111 441 1143">minOccurs:</td><td data-bbox="536 1111 562 1143">1</td></tr> <tr> <td data-bbox="303 1149 441 1181">maxOccurs:</td><td data-bbox="536 1149 562 1181">1</td></tr> <tr> <td data-bbox="303 1188 441 1215">default:</td><td data-bbox="536 1188 605 1215">false</td></tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1	default:	false																											
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Source	<pre> <xss:element name="provisionalProject" minOccurs="1" maxOccurs="1" default="false"> <xss:annotation> <xss:documentation xml:lang="en">Whether the project is provisional, i.e., temporary, experimental, or intended for testing purposes only (default false)</xss:documentation> <xss:documentation xml:lang="en">If the value is true, then limitations may be placed on other fields, e.g. storageCapacity, storagePerformance, and endDate</xss:documentation> <xss:documentation xml:lang="en">If the value is false, then the project is considered standard and the provisional limitations are not imposed</xss:documentation> <xss:documentation xml:lang="en">Whether provisional or standard, the same fields are required for all projects</xss:documentation> </xss:annotation> <xss:complexType> <xss:simpleContent> <xss:extension base="xs:boolean"> <xss:attribute ref="inherited" fixed="true"/> <xss:attribute ref="discoverable" fixed="true"/> <xss:attribute ref="trackingLevel" fixed="InternalUseOnly"/> </xss:extension> </xss:simpleContent> </xss:complexType> </xss:element> </pre>																																			

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

Element additionalProjectInformation / funded

Namespace	No namespace																																								
Annotations	<p>Whether a resource is 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 funded < -- xs:boolean funded { @ federallyFunded : xs:boolean @ inherited : xs:boolean @ discoverable : xs:boolean @ trackingLevel : trackingLevelType } </pre> <p>The diagram illustrates the 'funded' element as an extension of the built-in primitive type 'xs:boolean'. It includes four attributes: 'federallyFunded' (type xs:boolean, default false), 'inherited' (type xs:boolean, default true), 'discoverable' (type xs:boolean, fixed false), and 'trackingLevel' (type trackingLevelType, fixed InternalUseOnly). Annotations provide descriptions for each attribute.</p>																																								
Type	extension of xs:boolean																																								
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trackingLevel	trackingLevelType	InternalUseOnly		optional																																					

	QName	Type	Fixed	Default	Use	
		Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)				
Source	<pre><xs:element name="funded" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">Whether a resource is 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 name="federallyFunded" type="xs:boolean" default="false"> <xs:annotation> <xs:documentation xml:lang="en">Whether the resource is funded by the U.S. federal government (default false)</xs:documentation> <xs:documentation xml:lang="en">If true, then at least one fundingReference must have the federalFunder attribute set to true</xs:documentation> </xs:annotation> </xs:attribute> <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 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> <p>If any subproject or item contained in a project has a duaReference, then this field should be set to true</p>										
Diagram	<p>The diagram illustrates the schema structure for the <code>dataUseAgreement</code> element. It is defined as an extension of the <code>xs:boolean</code> type. The <code>xs:boolean</code> type is described as a built-in primitive type that defines boolean values true and false. The <code>dataUseAgreement</code> element has three attributes:</p> <ul style="list-style-type: none"> <code>@inherited</code>: Type is <code>xs:boolean</code>, Default is <code>true</code>. A note states: "Standard attribute to specify whether a given field's value should be inherited by any child resources. Inheritance is...". <code>@discoverable</code>: Type is <code>xs:boolean</code>, Fixed is <code>false</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 is <code>InternalUseOnly</code>. A note states: "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> </tbody> </table>	QName	Type	Fixed	Default	Use	discoverable	<code>xs:boolean</code>	false		optional
QName	Type	Fixed	Default	Use							
discoverable	<code>xs:boolean</code>	false		optional							

QName	Type	Fixed	Default	Use	
					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 any 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="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

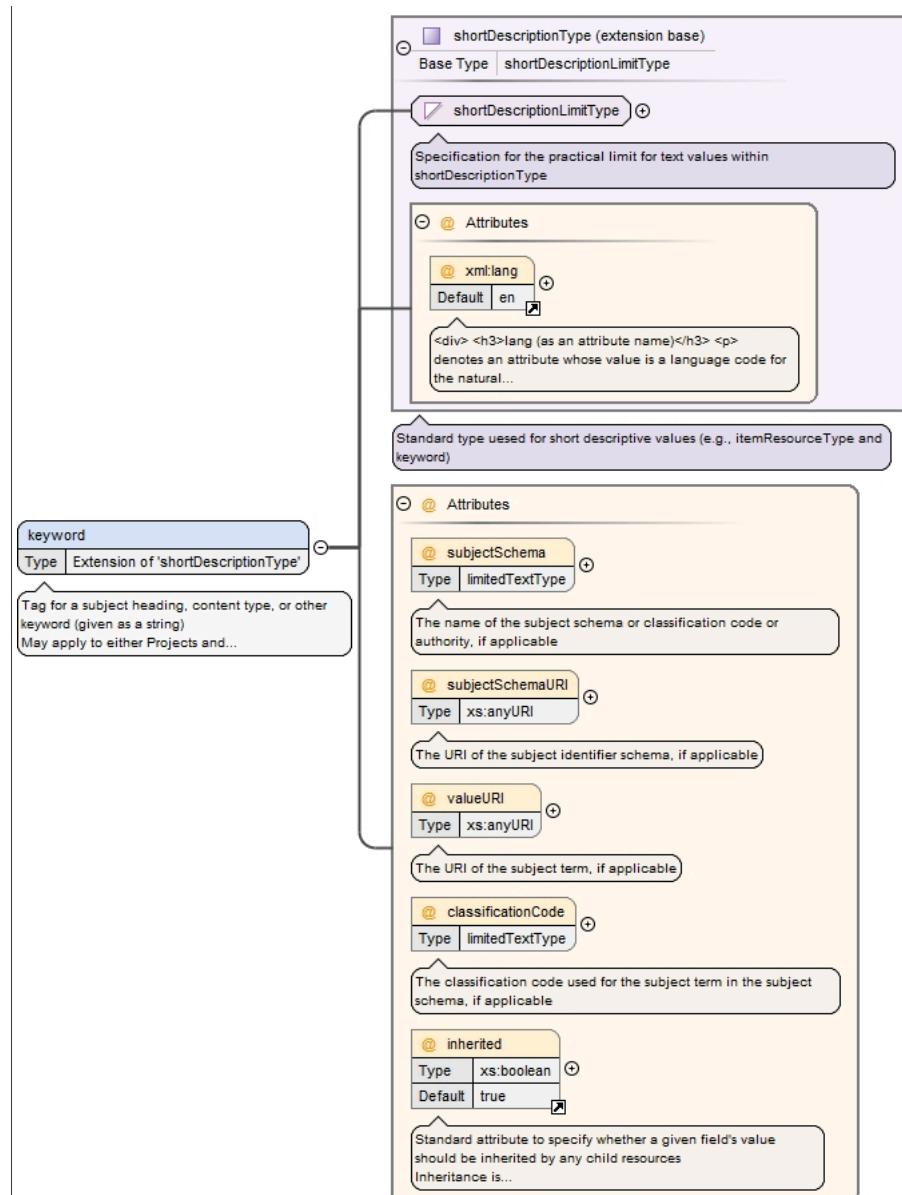
Namespace	No namespace
Annotations	<p>The container element for all keywords for a resource</p> <p>May apply to either Projects or Items</p> <p>If this element is present, then it should contain at least one sub-element</p>
Diagram	<pre> classDiagram class keywords { <<The container element for all keywords for a resource. May apply to either Projects or Items. If this element is present, then it should contain at least one sub-element.>> @Attributes discoverable trackingLevel keyword[1..100] } keywords < -- discoverable keywords < -- trackingLevel keywords < -- keyword discoverable < -- xs:boolean trackingLevel < -- trackingLevelType keyword < -- Extension of shortDescriptionType </pre>
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>
Model	keyword{1,100}
Children	keyword
Instance	<pre><keywords discoverable="true" trackingLevel="ResourceRecord"> <keyword classificationCode="" inherited="true" xml:lang="en" subjectSchema="" subjectSchemaURI="" valueURI="">[keyword]</pre>

	</keywords>			
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="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:documentation xml:lang="en">If this element is present, then it should contain at least one sub-element</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="keyword" minOccurs="1" maxOccurs="100"> <xs:annotation> <xs:documentation xml:lang="en">Tag for a subject heading, content type, or other keyword (given as a string)</xs:documentation> <xs:documentation xml:lang="en">May apply to either Projects and Items</xs:documentation> <xs:documentation xml:lang="en">Derived from the DataCite definitions for Subject (v4.6+)</xs:documentation> <xs:documentation>https://datacite-metadata-schema.readthedocs.io/en/4.6/properties/subject/</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="shortDescriptionType"> <xs:attribute name="subjectSchema" type="limitedTextType" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">The name of the subject schema or classification code or authority, if applicable</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute name="subjectSchemaURI" type="xs:anyURI" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">The URI of the subject identifier schema, if applicable</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, if applicable</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 schema, if applicable</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 supplementalMetadata / keywords / keyword

Namespace	No namespace
Annotations	<p>Tag for a subject heading, content type, or other keyword (given as a string)</p> <p>May apply to either Projects and Items</p> <p>Derived from the DataCite definitions for Subject (v4.6+)</p> <p>https://datacite-metadata-schema.readthedocs.io/en/4.6/properties/subject/</p>

Diagram



Type	extension of <code>shortDescriptionType</code>																										
Type hierarchy	<ul style="list-style-type: none"> • <code>xs:string</code> • <code>shortDescriptionLimitType</code> • <code>shortDescriptionType</code> 																										
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><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 schema, if applicable</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 any child resources Inheritance is...</td></tr> <tr> <td><code>subjectSchema</code></td> <td><code>limitedTextType</code></td> <td></td> <td>optional</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 schema, if applicable			<code>inherited</code>	<code>xs:boolean</code>	true	optional		Standard attribute to specify whether a given field's value should be inherited by any child resources Inheritance is...			<code>subjectSchema</code>	<code>limitedTextType</code>		optional
QName	Type	Default	Use																								
<code>classificationCode</code>	<code>limitedTextType</code>		optional																								
	The classification code used for the subject term in the subject schema, if applicable																										
<code>inherited</code>	<code>xs:boolean</code>	true	optional																								
	Standard attribute to specify whether a given field's value should be inherited by any child resources Inheritance is...																										
<code>subjectSchema</code>	<code>limitedTextType</code>		optional																								

QName	Type	Default	Use	
		The name of the subject schema or classification code or authority, if applicable		
subjectSchemaURI	xs:anyURI		optional	
		The URI of the subject identifier schema, if applicable		
valueURI	xs:anyURI		optional	
		The URI of the subject term, if applicable		
xml:lang	union of(xs:language, restriction of xs:string)	en	optional	
		<div> <h3>lang (as an attribute name)</h3> <p>denotes an attribute whose value is a language code for the natural language of the content of any element; its value is inherited. This name is reserved by virtue of its definition in the XML specification.</p> </div> <div> <h4>Notes</h4> <p>Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility.</p> <p>See BCP 47 at http://www.rfc-editor.org/rfc/bcp/bcp47.txtand the IANA language subtag registry at http://www.iana.org/assignments/language-subtag-registryfor further information.</p> <p>The union allows for the 'un-declaration' of xml:lang with the empty string.</p> </div>		
Source	<pre> <xs:element name="keyword" minOccurs="1" maxOccurs="100"> <xs:annotation> <xs:documentation xml:lang="en">Tag for a subject heading, content type, or other keyword (given as a string)</xs:documentation> <xs:documentation xml:lang="en">May apply to either Projects and Items</xs:documentation> <xs:documentation xml:lang="en">Derived from the DataCite definitions for Subject (v4.6+)</xs:documentation> <xs:documentation>https://datacite-metadata-schema.readthedocs.io/en/4.6/properties/subject/</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="shortDescriptionType"> <xs:attribute name="subjectSchema" type="limitedTextType" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">The name of the subject schema or classification code or authority, if applicable</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute name="subjectSchemaURI" type="xs:anyURI" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">The URI of the subject identifier schema, if applicable</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, if applicable</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 schema, if applicable</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute ref="inherited" default="true"/> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element> </pre>			

Element supplementalMetadata / relations

Namespace	No namespace
Annotations	The container element for all relations for a resource

	<p>May apply to either Projects or Items</p> <p>If this element is present, then it should contain at least one sub-element</p>																				
Diagram	<pre> classDiagram class relations { @discoverable @trackingLevel 1..100 relation } class relation { Type Extension of 'limitedTextType' } relation < -- limitedTextType limitedTextType < -- xs:string </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	relation{1,100}																				
Children	relation																				
Instance	<pre> <relations discoverable="true" trackingLevel="ResourceRecord"> <relation inherited="false" relatedIDType="DOI" relatedMetadataSchema="" relatedMetadataSchemaType="" relatedMeta... </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:documentation xml:lang="en">If this element is present, then it should contain at least one sub-element</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, given as a string</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 RelatedIdentifier (v4.6+)</xs:documentation> <xs:documentation>https://datacite-metadata-schema.readthedocs.io/en/4.6/properties/relatedidentifier</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="relatedMetadataSchema" type="limitedTextType" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">The name of the related metadata schema, if applicable</xs:documentation> <xs:documentation xml:lang="en">Use only with HasMetadata and IsMetadataFor relation types</xs:documentation> </xs:annotation> </xs:attribute> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>																				

```

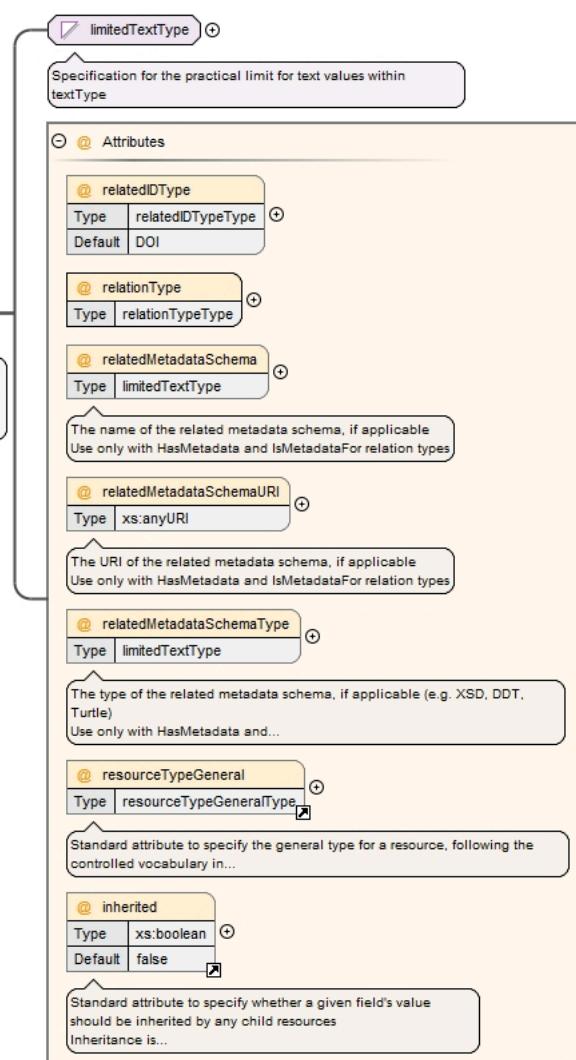
        </xs:annotation>
    </xs:attribute>
    <xs:attribute name="relatedMetadataSchemaURI" type="xs:anyURI" use="optional">
        <xs:annotation>
            <xs:documentation xml:lang="en">The URI of the related metadata schema, if applicable</xs:documentation>
            <xs:documentation xml:lang="en">Use only with HasMetadata and IsMetadataFor relation types</xs:documentation>
        </xs:annotation>
    </xs:attribute>
    <xs:attribute name="relatedMetadataSchemaType" type="limitedTextType" use="optional">
        <xs:annotation>
            <xs:documentation xml:lang="en">The type of the related metadata schema, if applicable (e.g. XSD, DDT, Turtle)</xs:documentation>
            <xs:documentation xml:lang="en">Use only with HasMetadata and IsMetadataFor relation types</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	<p>Specifies a related TigerData project or item, a published paper, or any other digital object, given as a string</p> <p>May apply to either Projects or Items</p> <p>Derived from the DataCite definitions for RelatedIdentifier (v4.6+)</p> <p>https://datacite-metadata-schema.readthedocs.io/en/4.6/properties/relatedidentifier/</p>

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 any 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>relatedMetadataSchema</td> <td>limitedTextType</td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="3">The name of the related metadata schema, if applicable Use only with HasMetadata and IsMetadataFor relation types</td></tr> <tr> <td>relatedMetadataSchemaType</td> <td>limitedTextType</td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="3">The type of the related metadata schema, if applicable (e.g. XSD, DDT, Turtle) Use only with HasMetadata and IsMetadataFor relation types</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 any 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	relatedMetadataSchema	limitedTextType		optional		The name of the related metadata schema, if applicable Use only with HasMetadata and IsMetadataFor relation types			relatedMetadataSchemaType	limitedTextType		optional		The type of the related metadata schema, if applicable (e.g. XSD, DDT, Turtle) Use only with HasMetadata and IsMetadataFor relation types		
QName	Type	Default	Use																																	
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relatedIDType	relatedIDTypeType	DOI	optional																																	
relatedMetadataSchema	limitedTextType		optional																																	
	The name of the related metadata schema, if applicable Use only with HasMetadata and IsMetadataFor relation types																																			
relatedMetadataSchemaType	limitedTextType		optional																																	
	The type of the related metadata schema, if applicable (e.g. XSD, DDT, Turtle) Use only with HasMetadata and IsMetadataFor relation types																																			

QName	Type	Default	Use	
relatedMetadataSchemaURI	xs:anyURI		optional	
	The URI of the related metadata schema, if applicable Use only with HasMetadata and IsMetadataFor relation types			
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 definition for resourceTypeGeneral (v4.6+)			
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, given as a string</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 RelatedIdentifier (v4.6+)</xs:documentation> <xs:documentation>https://datacite-metadata-schema.readthedocs.io/en/4.6/properties/relatedidentifier/</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="relatedMetadataSchema" type="limitedTextType" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">The name of the related metadata schema, if applicable</xs:documentation> <xs:documentation xml:lang="en">Use only with HasMetadata and IsMetadataFor relation types</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute name="relatedMetadataSchemaURI" type="xs:anyURI" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">The URI of the related metadata schema, if applicable</xs:documentation> <xs:documentation xml:lang="en">Use only with HasMetadata and IsMetadataFor relation types</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute name="relatedMetadataSchemaType" type="limitedTextType" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">The type of the related metadata schema, if applicable (e.g. XSD, DDT, Turtle)</xs:documentation> <xs:documentation xml:lang="en">Use only with HasMetadata and IsMetadataFor relation types</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></pre>			

Element supplementalMetadata / extendedMetadataSchemas

Namespace	No namespace
Annotations	<p>The container element for all extended metadata schemas for a resource, if applicable</p> <p>May apply to either Projects or Items</p> <p>If this element is present, then it should contain at least one sub-element</p>

Diagram																					
	<pre> classDiagram class extendedMetadataSchemas { <<The container element for all extended metadata schemas for a resource, if applicable May apply to either Projects or Items>> <<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)>> <<An indication of which TigerData supported metadata schemas should apply to a resource (given as a string) May apply to either Projects or Items>> } class extendedMetadataSchema { <<Extension of 'limitedTextType'>> } extendedMetadataSchemas "1..100" -- "extendedMetadataSchema" extendedMetadataSchema "1..100" -- "extendedMetadataSchema" </pre> <p>The diagram illustrates the UML Class Diagram for the <code>extendedMetadataSchemas</code> element. It features a container element named <code>extendedMetadataSchemas</code> which holds multiple <code>extendedMetadataSchema</code> instances. Each <code>extendedMetadataSchema</code> instance is an extension of the <code>limitedTextType</code>. The <code>extendedMetadataSchemas</code> element includes attributes for <code>discoverable</code> (a boolean value) and <code>trackingLevel</code> (a trackingLevelType). A detailed description for each attribute is provided, explaining their purpose and applicable contexts.</p>																				
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>																				
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 colspan="3">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 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			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																		
	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="extendedMetadataSchemas" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The container element for all extended metadata schemas for a resource, if applicable</xs:documentation> <xs:documentation xml:lang="en">May apply to either Projects or Items</xs:documentation> <xs:documentation xml:lang="en">If this element is present, then it should contain at least one sub-element</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 (given as a string)</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

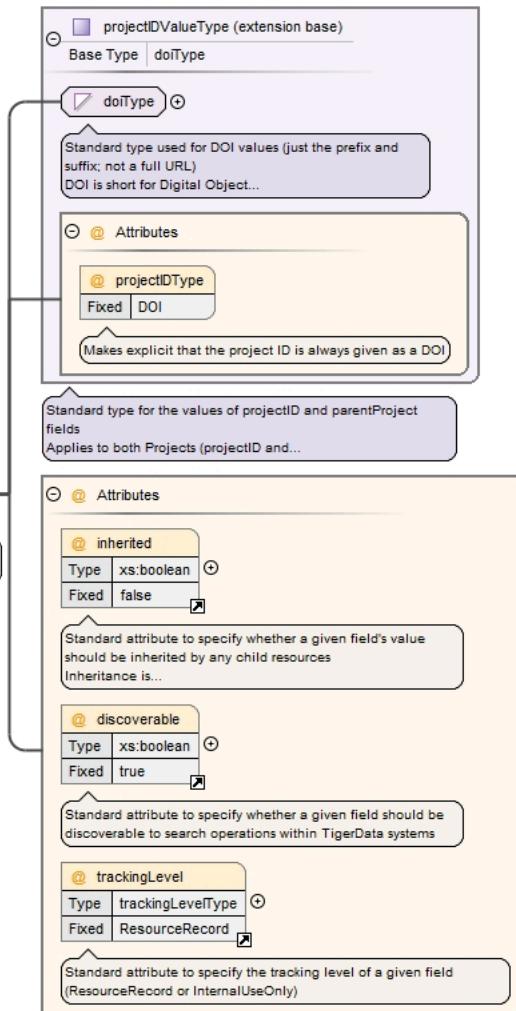
Namespace	No namespace
Annotations	An indication of which TigerData supported metadata schemas should apply to a resource (given as a string)

	<p>May apply to either Projects or Items</p>								
Diagram									
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		
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>inherited</td> <td>xs:boolean</td> <td>false</td> <td>optional</td> </tr> </tbody> </table> <p>Standard attribute to specify whether a given field's value should be inherited by any 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	Default	Use	inherited	xs:boolean	false	optional
QName	Type	Default	Use						
inherited	xs:boolean	false	optional						
Source	<pre><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 (given as a string)</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></pre>								

Element projectFields / projectID

Namespace	No namespace
Annotations	The universally unique identifier for the project (required)

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 any 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> <tr> <td>projectIDType</td> <td></td> <td>DOI</td> <td>optional</td> <td></td> </tr> <tr> <td></td> <td colspan="3">Makes explicit that the project ID is always given as a DOI</td><td></td></tr> <tr> <td>trackingLevel</td> <td>trackingLevelType</td> <td>ResourceRecord</td> <td>optional</td> <td></td> </tr> <tr> <td></td> <td colspan="3">Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)</td><td></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 any 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)			
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																																													
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	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)																																															
Source	<xss:element name="projectID" minOccurs="1" maxOccurs="1">																																															

```

<xs:annotation>
  <xs:documentation xml:lang="en">The universally unique identifier for the project (required)</
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 (required)						
Diagram	<pre> classDiagram class projectProvenance { submission revisions retirement publication status schemaVersion } projectProvenance < -- submission projectProvenance < -- revisions projectProvenance < -- retirement projectProvenance < -- publication projectProvenance < -- status projectProvenance < -- schemaVersion </pre> <p>The diagram illustrates the structure of the <code>projectProvenance</code> element. It is a container for several project provenance fields. The fields include <code>submission</code>, <code>revisions</code>, <code>retirement</code>, <code>publication</code>, <code>status</code>, and <code>schemaVersion</code>. Each field is represented by a rounded rectangle with a plus sign (+) indicating it is an optional element.</p>						
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 (required)</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 (required)</ xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>						

```

<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, if applicable</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, if applicable</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, if applicable</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="AdminReview">
  <xs:annotation>
    <xs:documentation xml:lang="en">The current status of the project (required)</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 (required)</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>

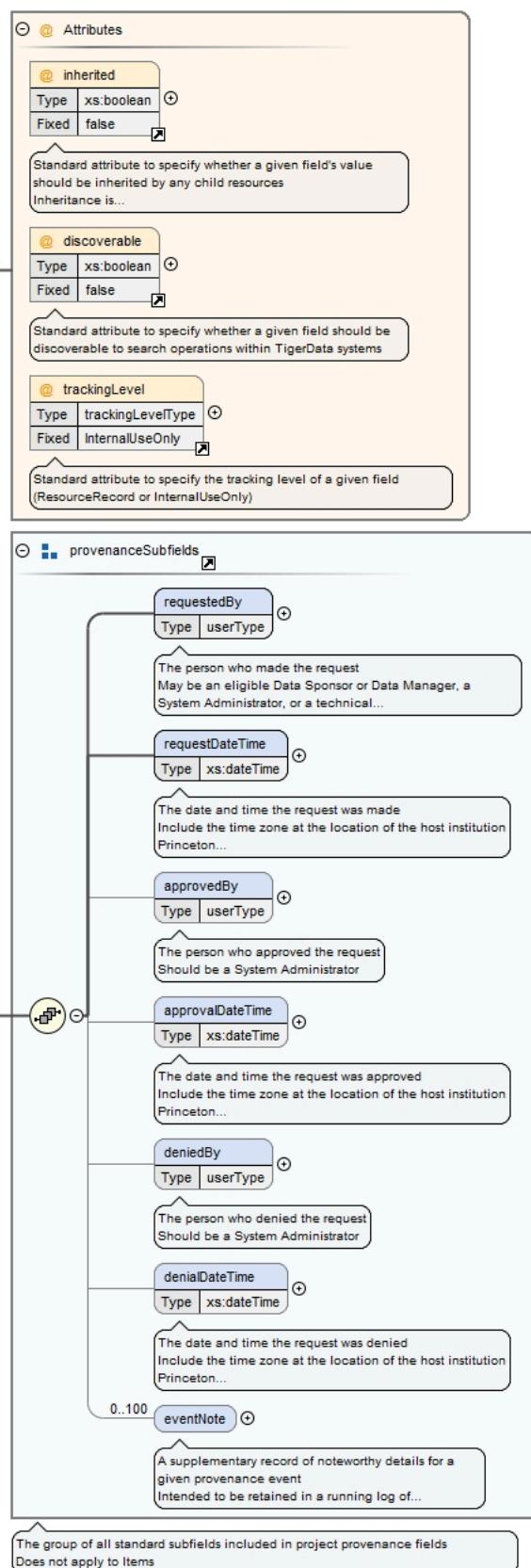
```

	<pre></xs:sequence> </xs:complexType> </xs:element></pre>
--	---

Element projectFields / projectProvenance / submission

Namespace	No namespace
Annotations	A record of a project's initial submission (required)

Diagram



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" 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>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 any child resources</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 any child resources			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																													
	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 any 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="submission" minOccurs="1" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">A record of a project's initial submission (required)</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></pre>																															

Element projectFields / projectProvenance / revisions

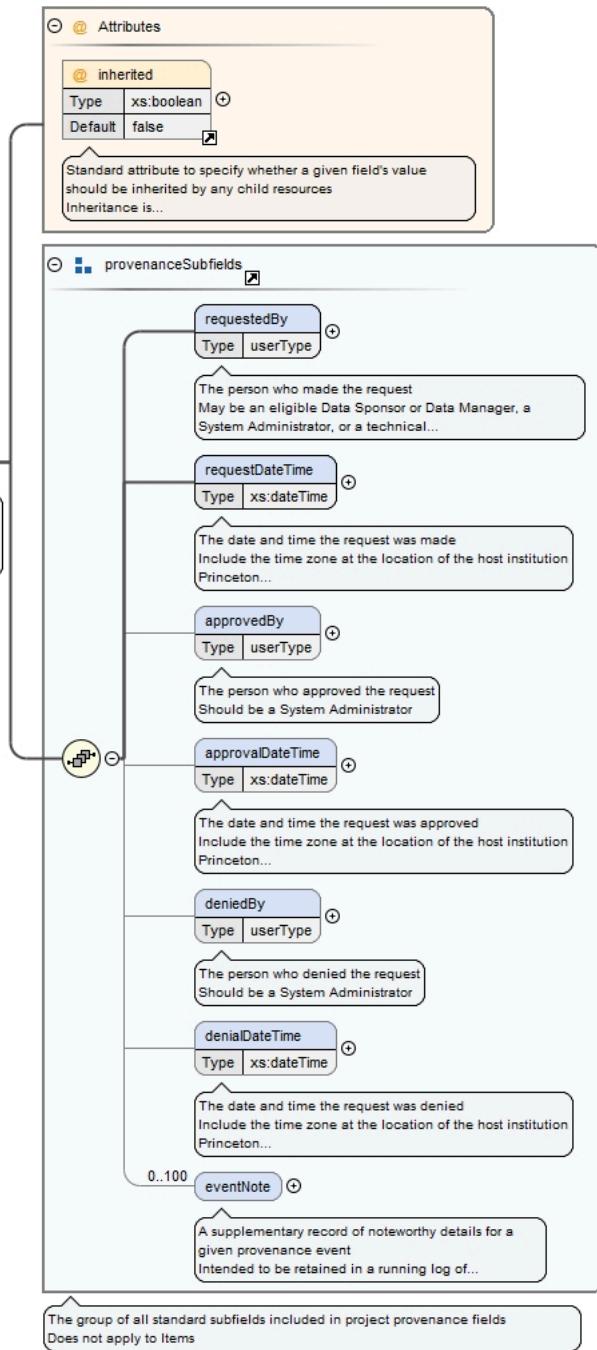
Namespace	No namespace						
Annotations	The container element for all revision records, if applicable						
Diagram	<pre> classDiagram class revisions { <<The container element for all revision records, if applicable>> <<A record of a major revision to an active project>> <<1..100 revision>> <<Standard 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)>> } class revisions { <<@ discoverable>> Type xs:boolean Fixed false } class revisions { <<@ trackingLevel>> Type trackingLevelType Fixed InternalUseOnly } class revisions { <<1..100 revision>> } class revisions { <<Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems>> } class revisions { <<Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)>> } class revisions { <<1..100 revision>> } </pre>						
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">content:</td> <td style="width: 75%;">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, if applicable</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



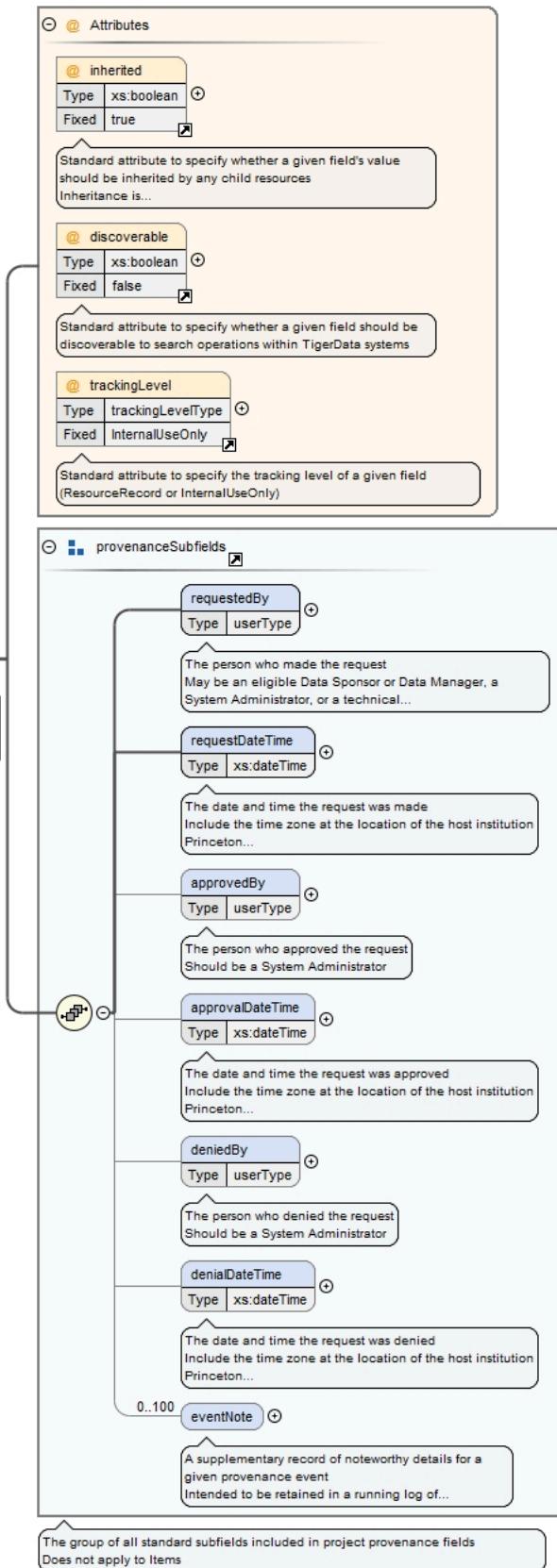
Properties	content: complex minOccurs: 1 maxOccurs: 100
Model	<code>requestedBy , requestDateTime , approvedBy{0,1} , approvalDateTime{0,1} , deniedBy{0,1} , denialDateTime{0,1} , eventNote{0,100}</code>
Children	approvalDateTime, approvedBy, denialDateTime, deniedBy, eventNote, requestDateTime, requestedBy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

Diagram



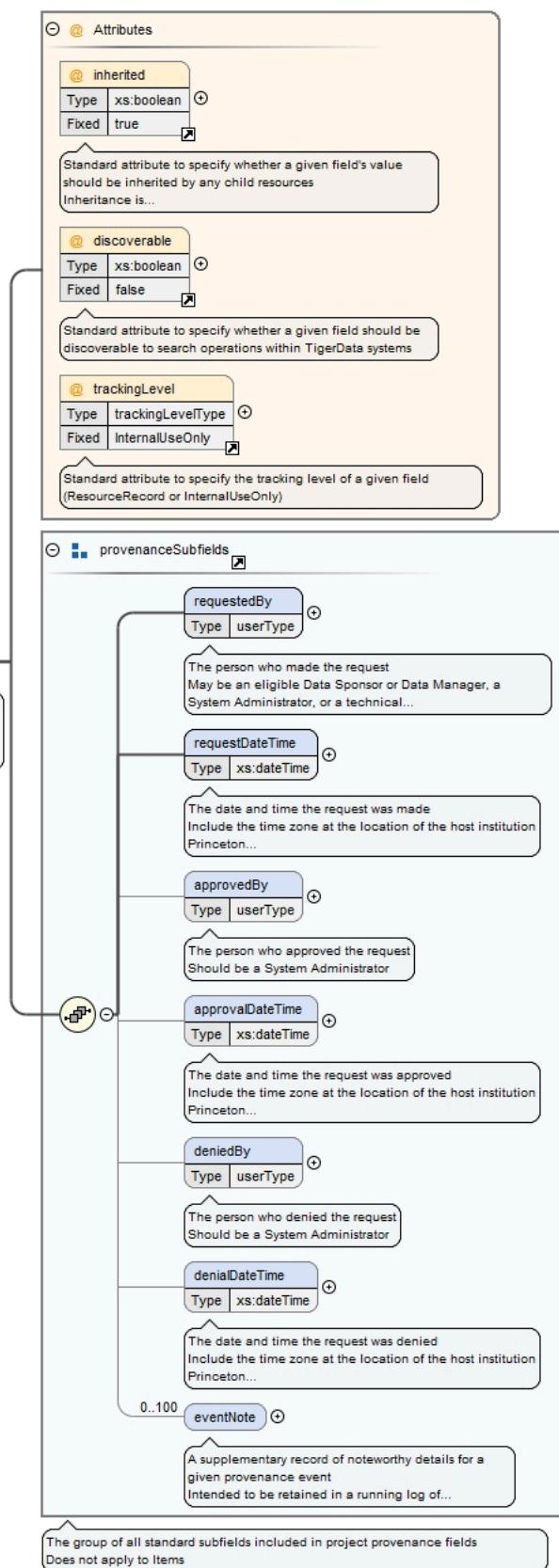
Properties	content: complex minOccurs: 0 maxOccurs: 1
------------	--

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 any 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, if applicable

Diagram



Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</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><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	<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>inherited</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's value should be inherited by any child resources</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	inherited	xs:boolean	true	optional				Standard attribute to specify whether a given field's value should be inherited by any child resources	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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			Standard attribute to specify whether a given field's value should be inherited by any child resources																										
trackingLevel	trackingLevelType	InternalUseOnly	optional																										
			Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)																										
Source	<pre><xss:element name="publication" minOccurs="0" maxOccurs="1"> <xss:annotation> <xss:documentation xml:lang="en">A record of a project's publication, if applicable</xss:documentation> </xss:annotation> <xss:complexType> <xss:group ref="provenanceSubfields"/> <xss:attribute ref="inherited" fixed="true"/> <xss:attribute ref="discoverable" fixed="false"/> <xss:attribute ref="trackingLevel" fixed="InternalUseOnly"/> </xss:complexType> </xss:element></pre>																												

Element projectFields / projectProvenance / status

Namespace	No namespace				
Annotations	The current status of the project (required)				
Diagram	<p>The current status of the project (required)</p> <p>status</p> <table border="1"> <tr> <td>Type</td> <td>Extension of 'statusType'</td> </tr> <tr> <td>Default</td> <td>AdminReview</td> </tr> </table> <p>Attributes</p> <ul style="list-style-type: none"> @inherited @discoverable @trackingLevel <p>statusType</p> <p>Standard type that defines the controlled vocabulary for the status field Applies only to Projects</p> <p>Standard attribute to specify whether a given field's value should be inherited by any child resources Inheritance is...</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>	Type	Extension of 'statusType'	Default	AdminReview
Type	Extension of 'statusType'				
Default	AdminReview				

Type	extension of statusType																																							
Type hierarchy	<ul style="list-style-type: none"> • xs:string • statusType 																																							
Properties	<p>content: complex</p> <p>minOccurs: 1</p> <p>maxOccurs: 1</p> <p>default: AdminReview</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>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 any 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>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	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 any 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><xsi:element name="status" minOccurs="1" maxOccurs="1" default="AdminReview"> <xsi:annotation> <xsi:documentation xml:lang="en">The current status of the project (required)</xsi:documentation> </xsi:annotation> <xsi:complexType> <xsi:simpleContent> <xsi:extension base="statusType"> <xsi:attribute ref="inherited" default="false"/> <xsi:attribute ref="discoverable" fixed="true"/> <xsi:attribute ref="trackingLevel" fixed="InternalUseOnly"/> </xsi:extension> </xsi:simpleContent> </xsi:complexType> </xsi:element></pre>																																							

Element projectFields / projectProvenance / schemaVersion

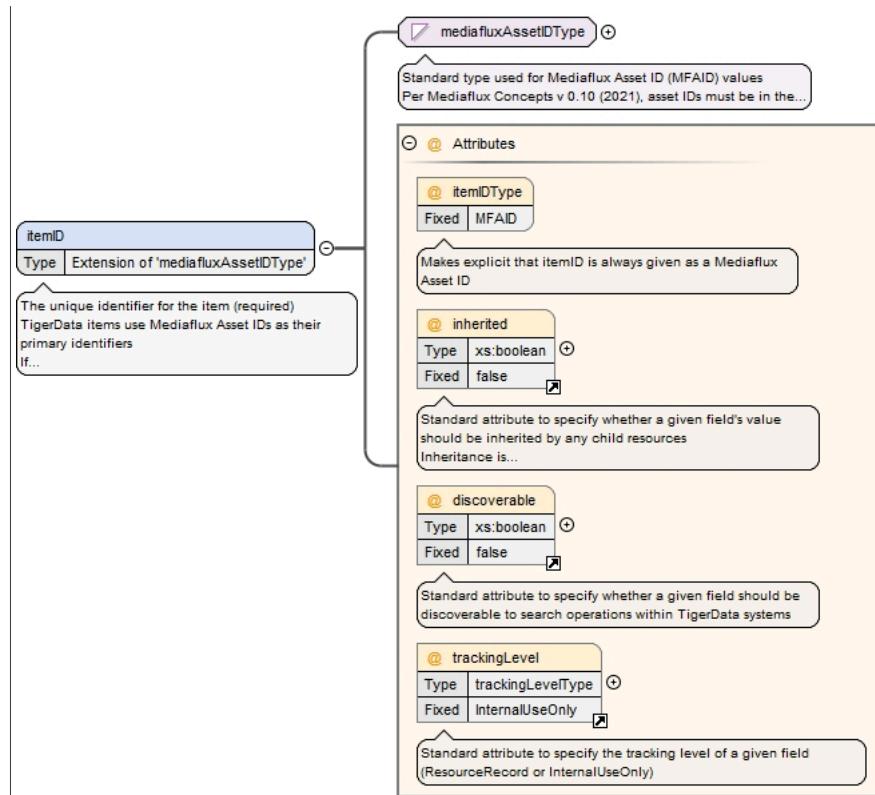
Namespace	No namespace
Annotations	The version of the TigerData Standard Metadata Schema used (required)
Diagram	<p>The diagram illustrates the schemaVersion element as an extension of limitedTextType. It includes three attributes:</p> <ul style="list-style-type: none"> @inherited: Type xs:boolean, Default true. Description: Standard attribute to specify whether a given field's value should be inherited by any child resources. Inheritance is... @discoverable: Type xs:boolean, Fixed true. Description: Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems. @trackingLevel: Type trackingLevelType, Fixed InternalUseOnly. Description: Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly).

Type	extension of limitedTextType																																																													
Type hierarchy	<ul style="list-style-type: none"> • xs:string • limitedTextType 																																																													
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;">1</td> </tr> <tr> <td style="padding: 2px;">maxOccurs:</td> <td style="padding: 2px;">1</td> </tr> </table>						content:	complex	minOccurs:	1	maxOccurs:	1																																																		
content:	complex																																																													
minOccurs:	1																																																													
maxOccurs:	1																																																													
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">QName</th> <th style="width: 20%;">Type</th> <th style="width: 10%;">Fixed</th> <th style="width: 10%;">Default</th> <th style="width: 10%;">Use</th> <th style="width: 10%;"> </th> <th style="width: 10%;"> </th> </tr> </thead> <tbody> <tr> <td>discoverable</td><td>xs:boolean</td><td>true</td><td></td><td>optional</td><td></td><td></td></tr> <tr> <td></td><td colspan="6">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>true</td><td>optional</td><td></td><td></td></tr> <tr> <td></td><td colspan="6">Standard attribute to specify whether a given field's value should be inherited by any child resources</td></tr> <tr> <td></td><td colspan="6">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><td></td><td></td></tr> <tr> <td></td><td colspan="6">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		true	optional				Standard attribute to specify whether a given field's value should be inherited by any 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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	Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)																																																													
Source	<pre style="font-family: monospace; font-size: small; margin: 0;"> <xs:element name="schemaVersion" maxOccurs="1" minOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The version of the TigerData Standard Metadata Schema used (required)</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 (required)</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



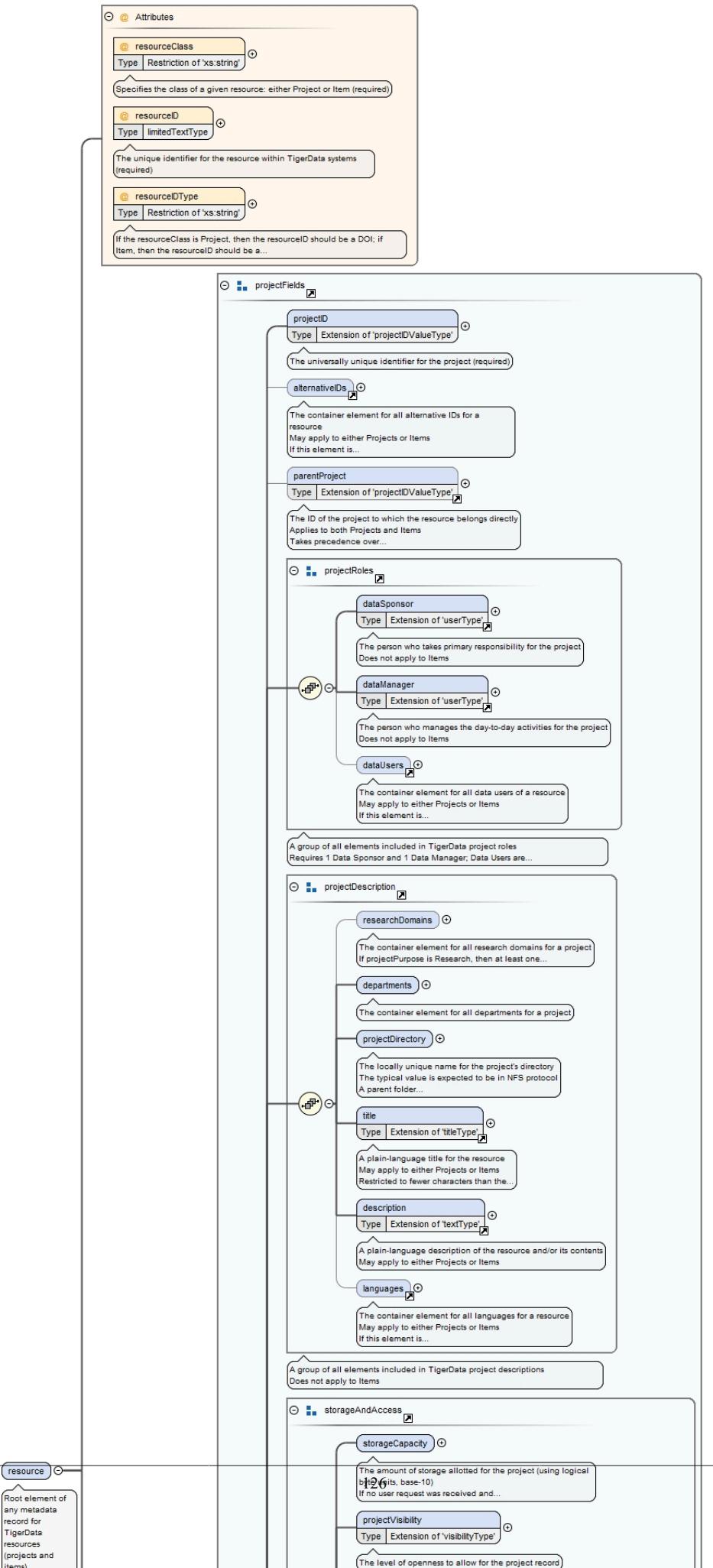
Type	extension of mediafluxAssetIDType																																							
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • mediafluxAssetIDType 																																							
Properties	<p>content: complex</p> <p>minOccurs: 1</p> <p>maxOccurs: 1</p>																																							
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 any 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 any 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)		
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Source	<pre> <xs:element name="itemID" minOccurs="1" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The unique identifier for the item (required)</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> </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



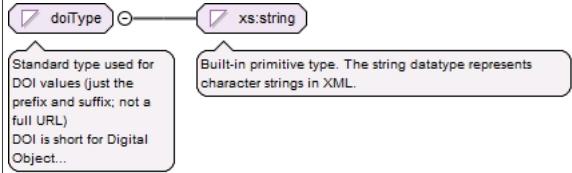
Properties	content: complex
Model	((projectID , alternativeIDs {0,1} , parentProject {0,1} , dataSponsor , dataManager , dataUsers {0,1} , researchDomains {0,1} , departments , projectDirectory , title , description , languages {0,1} , storageCapacity , projectVisibility , storagePerformance , numberOffiles , hpc , accessPoints {0,1} , projectPurpose , provisionalProject , funded {0,1} , fundingReferences {0,1} , projectDates {0,1} , projectResourceType , 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} , itemResourceType {0,1} , keywords {0,1} , relations {0,1} , extendedMetadataSchemas {0,1} , languages {0,1} , licenses {0,1} , fundingReferences {0,1} , duaReferences {0,1} , itemDates {0,1}))
Children	accessPoints, alternativeIDs, dataManager, dataSponsor, dataUseAgreement, dataUsers, departments, description, duaReferences, extendedMetadataSchemas, funded, fundingReferences, hpc, itemDates, itemID, itemResourceType, keywords, languages, licenses, numberOffiles, parentProject, projectDates, projectDirectory, projectID, projectProvenance, projectPurpose, projectResourceType, projectVisibility, provisionalProject, relations, researchDomains, 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> <accessPoints discoverable="false" inherited="false" trackingLevel="InternalUseOnly">{0,1}</ accessPoints> <projectPurpose discoverable="true" inherited="true" trackingLevel="InternalUseOnly">{1,1}</ projectPurpose> <provisionalProject discoverable="true" inherited="true" trackingLevel="InternalUseOnly">{1,1}</ provisionalProject> <funded discoverable="false" federallyFunded="false" inherited="true" trackingLevel="InternalUseOnly">{0,1}</ funded> <fundingReferences discoverable="true" trackingLevel="ResourceRecord">{0,1}</fundingReferences> <projectDates discoverable="true" trackingLevel="ResourceRecord">{0,1}</projectDates> <projectResourceType discoverable="true" inherited="false" xml:lang="en" resourceTypeGeneral="Project" trackingLevel="ResourceRecord">{1,1}</ projectResourceType> <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> <itemResourceType discoverable="true" inherited="false" xml:lang="en" resourceTypeGeneral="" trackingLevel="ResourceRecord">{1,1}</ itemResourceType> <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> </pre>

	<pre><licenses discoverable="true" trackingLevel="ResourceRecord">{0,1}</licenses> <fundingReferences discoverable="true" trackingLevel="ResourceRecord">{0,1}</fundingReferences> <duaReferences discoverable="true" trackingLevel="ResourceRecord">{0,1}</duaReferences> <itemDates discoverable="true" trackingLevel="ResourceRecord">{0,1}</itemDates> </resource></pre>			
Attributes	QName resourceClass	Type restriction of xs:string	Use required	
			Specifies the class of a given resource: either Project or Item (required)	
	resourceID resourceIDType	limitedTextType restriction of xs:string	required required	
			The unique identifier for the resource within TigerData systems (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><xs:element name="resource"> <xs:annotation> <xs:documentation xml:lang="en">Root element of any metadata record for TigerData resources (projects and items).</xs:documentation> <xs: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.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:choice minOccurs="1" maxOccurs="1"> <xs:group ref="projectFields"/> <xs:group ref="itemFields"/> </xs:choice> </xs:sequence> <xs:attribute name="resourceClass" use="required"> <xs:annotation> <xs:documentation xml:lang="en">Specifies the class of a given resource: either Project or Item (required)</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> <xs:attribute name="resourceID" type="limitedTextType" use="required"> <xs:annotation> <xs:documentation xml:lang="en">The unique identifier for the resource within TigerData systems (required)</xs:documentation> </xs:annotation> </xs:attribute> <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> </xs:complexType> </xs:element></pre>			

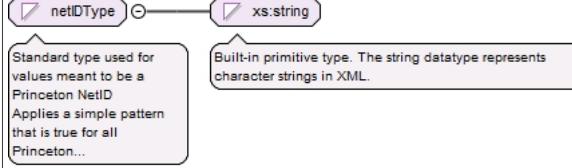
Simple Type(s)

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 $10\backslash.\d\{4,9\}\backslash/[\\S]+[^-_!:\\.,.?]/\\S]$
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\}\backslash/[\\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 that is 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	<p>Element userType/netID</p> <p>Attribute userType/@userID</p>
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 that is 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 puidType

Namespace	No namespace
Annotations	<p>Standard type used for values meant to be a Princeton University ID (PUID)</p> <p>Applies a simple pattern that is true for all PUIDs</p> <p>Validation of user accounts and permissions happens separate from metadata validation</p>

Diagram	
Type	restriction of xs:string
Facets	pattern [0-9] {9}
Used by	Element userType/PUID
Source	<pre><xs:simpleType name="puidType"> <xs:annotation> <xs:documentation xml:lang="en">Standard type used for values meant to be a Princeton University ID (PUID)</xs:documentation> <xs:documentation xml:lang="en">Applies a simple pattern that is true for all PUIDs</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="[0-9]{9}" /> </xs:restriction> </xs:simpleType></pre>

Simple Type limitedTextType

Namespace	No namespace						
Annotations	Specification for the practical limit for text values within textType						
Diagram							
Type	restriction of xs:string						
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	<table> <tr> <td>Complex Type</td> <td>textType</td> </tr> <tr> <td>Elements</td> <td>alternativeID, projectFields/projectProvenance/schemaVersion, supplementalMetadata/extendedMetadataSchemas/extendedMetadataSchema, supplementalMetadata/relations/relation, userType/familyName, userType/fullName, userType/givenName</td> </tr> <tr> <td>Attributes</td> <td>alternativeID/@alternativeIDType, resource/@resourceID, supplementalMetadata/keywords/keyword/@classificationCode, supplementalMetadata/keywords/keyword/@subjectSchema, supplementalMetadata/relations/relation/@relatedMetadataSchema, supplementalMetadata/relations/relation/@relatedMetadataSchemaType, userType/alternativeNameIdentifier/@nameIdentifierSchema</td> </tr> </table>	Complex Type	textType	Elements	alternativeID, projectFields/projectProvenance/schemaVersion, supplementalMetadata/extendedMetadataSchemas/extendedMetadataSchema, supplementalMetadata/relations/relation, userType/familyName, userType/fullName, userType/givenName	Attributes	alternativeID/@alternativeIDType, resource/@resourceID, supplementalMetadata/keywords/keyword/@classificationCode, supplementalMetadata/keywords/keyword/@subjectSchema, supplementalMetadata/relations/relation/@relatedMetadataSchema, supplementalMetadata/relations/relation/@relatedMetadataSchemaType, userType/alternativeNameIdentifier/@nameIdentifierSchema
Complex Type	textType						
Elements	alternativeID, projectFields/projectProvenance/schemaVersion, supplementalMetadata/extendedMetadataSchemas/extendedMetadataSchema, supplementalMetadata/relations/relation, userType/familyName, userType/fullName, userType/givenName						
Attributes	alternativeID/@alternativeIDType, resource/@resourceID, supplementalMetadata/keywords/keyword/@classificationCode, supplementalMetadata/keywords/keyword/@subjectSchema, supplementalMetadata/relations/relation/@relatedMetadataSchema, supplementalMetadata/relations/relation/@relatedMetadataSchemaType, userType/alternativeNameIdentifier/@nameIdentifierSchema						
Source	<pre><xs:simpleType name="limitedTextType"> <xs:annotation> <xs:documentation xml:lang="en">Specification for the practical limit for text values within textType</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:minLength value="1" /> <xs:maxLength value="1000" /> </xs:restriction> </xs:simpleType></pre>						

Simple Type limitedTitleType

Namespace	No namespace
Annotations	Specification for the practical limit for text values within titleType
Diagram	
Type	restriction of xs:string

Facets	minLength	1
	maxLength	200
Used by	Complex Type	titleType
Source	<pre><xss:simpleType name="limitedTitleType"> <xss:annotation> <xss:documentation xml:lang="en">Specification for the practical limit for text values within titleType</xss:documentation> </xss:annotation> <xss:restriction base="xss:string"> <xss:minLength value="1"/> <xss:maxLength value="200"/> </xss:restriction> </xss:simpleType></pre>	

Simple Type shortDescriptionLimitType

Namespace	No namespace				
Annotations	Specification for the practical limit for text values within shortDescriptionType				
Diagram	<pre> classDiagram class shortDescriptionLimitType { <<Specification for the practical limit for text values within shortDescriptionType>> } class xsString { <<Built-in primitive type. The string datatype represents character strings in XML.>> } shortDescriptionLimitType < -- xsString </pre>				
Type	restriction of xs:string				
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>60</td> </tr> </table>	minLength	1	maxLength	60
minLength	1				
maxLength	60				
Used by	<table border="1"> <tr> <td>Complex Type</td> <td>shortDescriptionType</td> </tr> <tr> <td>Attribute</td> <td>otherDate/@dateInformation</td> </tr> </table>	Complex Type	shortDescriptionType	Attribute	otherDate/@dateInformation
Complex Type	shortDescriptionType				
Attribute	otherDate/@dateInformation				
Source	<pre><xss:simpleType name="shortDescriptionLimitType"> <xss:annotation> <xss:documentation xml:lang="en">Specification for the practical limit for text values within shortDescriptionType</xss:documentation> </xss:annotation> <xss:restriction base="xss:string"> <xss:minLength value="1"/> <xss:maxLength value="60"/> </xss:restriction> </xss:simpleType></pre>				

Simple Type pathSafeType

Namespace	No namespace
Annotations	<p>Standard type used within pathType to prevent invalid entries</p> <p>Restricts to alphanumeric characters, underscore, forward and back slashes, colon, and minus-dash</p> <p>The typical value is expected to start "/tigerdata/" and follow with a parent folder of at least 3 characters and a project folder of at least 3 characters, with a slash in-between, hence the minimum of 18 characters</p> <p>The ordinary practical limit of 1000 characters for a text field is too high; Windows systems have a hard limit of 260 characters for the full path, so the directory needs to much less than that to avoid problems, hence the maximum of 128 characters</p>
Diagram	<pre> classDiagram class pathSafeType { <<Standard type used within pathType to prevent invalid entries</> <<Restricts to alphanumeric characters, underscore, forward...>> } class xsString { <<Built-in primitive type. The string datatype represents character strings in XML.>> } pathSafeType < -- xsString </pre>
Type	restriction of xs:string
Facets	pattern [\w\\/: -]{18,128}
Used by	Complex Type pathType
Source	<pre><xss:simpleType name="pathSafeType"> <xss:annotation> <xss:documentation xml:lang="en">Standard type used within pathType to prevent invalid entries</xss:documentation> </xss:annotation></pre>

```

<xs:documentation xml:lang="en">Restricts to alphanumeric characters, underscore, forward and
back slashes, colon, and minus-dash</xs:documentation>
<xs:documentation xml:lang="en">The typical value is expected to start "/tigerdata/" and follow
with a parent folder of at least 3 characters and a project folder of at least 3 characters, with a
slash in-between, hence the minimum of 18 characters</xs:documentation>
<xs:documentation xml:lang="en">The ordinary practical limit of 1000 characters for a text
field is too high; Windows systems have a hard limit of 260 characters for the full path, so the
directory needs to much less than that to avoid problems, hence the maximum of 128 characters</
xs:documentation>
</xs:annotation>
<xs:restriction base="xs:string">
  <xs:pattern value="[\w\/:]{18,128}" />
</xs:restriction>
</xs:simpleType>

```

Simple Type `uuidType`

Namespace	No namespace
Annotations	<p>Standard type used for values meant to be Universally Unique Identifiers (e.g., in <code>globusUUID</code>)</p> <p>Restricts to alphanumeric characters and minus-dashes, with a length ranging from 32 to 36</p> <p>The most common value is expected to be hexadecimal in 8-4-4-4-12 format, but this type specification is simplified for XML, and therefore more permissive</p>
Diagram	<pre> classDiagram class uidType class xsString uidType "1" -- "1" xsString </pre> <p>Standard type used for values meant to be Universally Unique Identifiers (e.g., in <code>globusUUID</code>). Restricts to...</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	restriction of <code>xs:string</code>
Facets	pattern <code>[\w-]{32,36}</code>
Used by	Element storageAndAccess/accessPoints/globusCollection/globusUUID
Source	<pre> <xs:simpleType name="uuidType"> <xs:annotation> <xs:documentation xml:lang="en">Standard type used for values meant to be Universally Unique Identifiers (e.g., in <code>globusUUID</code>)</xs:documentation> <xs:documentation xml:lang="en">Restricts to alphanumeric characters and minus-dashes, with a length ranging from 32 to 36</xs:documentation> <xs:documentation xml:lang="en">The most common value is expected to be hexadecimal in 8-4-4-4-12 format, but this type specification is simplified for XML, and therefore more permissive</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:pattern value="[\w-]{32,36}" /> </xs:restriction> </xs:simpleType> </pre>

Simple Type `byteUnitType`

Namespace	No namespace																		
Annotations	<p>Standard type that defines the controlled vocabulary for byte units in <code>storageQuantityType</code></p> <p>All byte units are base-10, not base-2</p>																		
Diagram	<pre> classDiagram class byteUnitType class xsString byteUnitType "1" -- "1" xsString </pre> <p>Standard type that defines the controlled vocabulary for byte units in <code>storageQuantityType</code>. All byte units are base-10....</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>																		
Type	restriction of <code>xs:string</code>																		
Facets	<table> <tbody> <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> </tbody> </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)																	

Used by	Element
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:documentation xml:lang="en">All byte units are base-10, not base-2</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	<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	Elements endDate, otherDate, publicationDate, retirementDate, startDate, userType/nameDate
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: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></pre>

Simple Type trackingLevelType

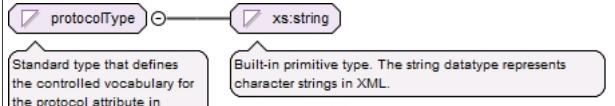
Namespace	No namespace							
Annotations	Standard type that defines the controlled vocabulary for the trackingLevel attribute							
Diagram	<p>Standard type that defines the controlled vocabulary for the trackingLevel attribute</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>							
Type	restriction of xs:string							
Facets	<table> <tr> <td>enumeration</td> <td>ResourceRecord</td> <td>The respective 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 respective field is intended for internal (Princeton) use only</td> </tr> </table>	enumeration	ResourceRecord	The respective field should be included in any long-term or crosswalked records for the resource	enumeration	InternalUseOnly	The respective field is intended for internal (Princeton) use only	
enumeration	ResourceRecord	The respective field should be included in any long-term or crosswalked records for the resource						
enumeration	InternalUseOnly	The respective 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 respective 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 respective field is intended for internal (Princeton) use only</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType></pre>							

Simple Type departmentCodeType

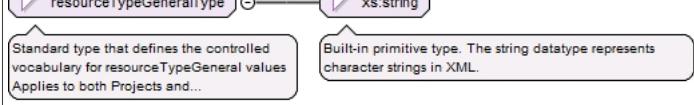
Namespace	No namespace	
Annotations	Standard type that defines the allowable values for the departmentCode attribute in department Princeton departments always have a 5-digit numerical code	
Diagram	<p>Standard type that defines the allowable values for the departmentCode attribute in department Princeton departments...</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>	
Type	restriction of xs:string	
Facets	pattern	[0-9]{5}
Used by	Attribute	projectDescription/departments/department/@departmentCode
Source	<pre><xs:simpleType name="departmentCodeType"> <xs:annotation> <xs:documentation xml:lang="en">Standard type that defines the allowable values for the departmentCode attribute in department</xs:documentation> <xs:documentation xml:lang="en">Princeton departments always have a 5-digit numerical code</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:pattern value="[0-9]{5}" /> </xs:restriction> </xs:simpleType></pre>	

Simple Type protocolType

Namespace	No namespace
Annotations	Standard type that defines the controlled vocabulary for the protocol attribute in pathType

Diagram													
Type	restriction of xs:string												
Facets	<table> <tr> <td>enumeration</td><td>NFS</td><td>Network File System (version not tracked)</td></tr> <tr> <td>enumeration</td><td>SMB</td><td>Server Message Block (version not tracked)</td></tr> <tr> <td></td><td></td><td>Used interchangeably with Common Internet File System (CIFS)</td></tr> <tr> <td>enumeration</td><td>S3</td><td>Amazon Simple Storage Service (version not tracked)</td></tr> </table>	enumeration	NFS	Network File System (version not tracked)	enumeration	SMB	Server Message Block (version not tracked)			Used interchangeably with Common Internet File System (CIFS)	enumeration	S3	Amazon Simple Storage Service (version not tracked)
enumeration	NFS	Network File System (version not tracked)											
enumeration	SMB	Server Message Block (version not tracked)											
		Used interchangeably with Common Internet File System (CIFS)											
enumeration	S3	Amazon Simple Storage Service (version not tracked)											
Used by	Attribute pathType/@protocol												
Source	<pre><xs:simpleType name="protocolType"> <xs:annotation> <xs:documentation xml:lang="en">Standard type that defines the controlled vocabulary for the protocol attribute in pathType</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:enumeration value="NFS" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">Network File System (version not tracked)</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="SMB" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">Server Message Block (version not tracked)</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="S3" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">Amazon Simple Storage Service (version not tracked)</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType></pre>												

Simple Type resourceTypeGeneralType

Namespace	No namespace						
Annotations	<p>Standard type that defines the controlled vocabulary for resourceTypeGeneral values</p> <p>Applies to both Projects and Items</p> <p>TigerData projects and subprojects should always use the standard type Project</p> <p>Derived from the DataCite controlled vocabulary for resourceTypeGeneral (v4.6+)</p> <p>https://datacite-metadata-schema.readthedocs.io/en/4.6/appendices/appendix-1/resourceTypeGeneral/</p> <p>Appends custom options for TigerData items: README and DataDocumentation</p> <p>For labeling an item as a Data Management Plan (DMP), use the DataCite standard type OutputManagementPlan</p>						
Diagram							
Type	restriction of xs:string						
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>Award</td><td>An umbrella term for resources provided to individual(s) or organization(s) in support of research, academic output, or training, such as a specific instance of funding,</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	Award	An umbrella term for resources provided to individual(s) or organization(s) in support of research, academic output, or training, such as a specific instance of funding,
enumeration	Audiovisual	A series of visual representations imparting an impression of motion when shown in succession. May or may not include sound.					
enumeration	Award	An umbrella term for resources provided to individual(s) or organization(s) in support of research, academic output, or training, such as a specific instance of funding,					

		grant, investment, sponsorship, scholarship, recognition, or non-monetary materials.
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	OutputManagementPlan	A formal document that outlines how research outputs are to be handled both during a research project and after the project is completed. Use this resource type for items that serve as the Data Management Plan (DMP) for a TigerData project.
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. Use this resource type for all TigerData projects and subprojects.
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.
enumeration	README	A simple text file used to document important information about a containing resource. Use this resource type for all items serving as README files for TigerData projects.
enumeration	DataDocumentation	A resource used to document detailed information about data in a containing resource (e.g., a codebook or data dictionary). Use this resource type for items serving as supplemental documentation to the README for a TigerData project.
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">TigerData projects and subprojects should always use the standard type Project</xs:documentation> <xs:documentation xml:lang="en">Derived from the DataCite controlled vocabulary for resourceTypeGeneral (v4.6+)</xs:documentation> <xs:documentation>https://datacite-metadata-schema.readthedocs.io/en/4.6/appendices/appendix-1/resourceTypeGeneral/</xs:documentation> <xs:documentation xml:lang="en">Appends custom options for TigerData items: README and DataDocumentation</xs:documentation> <xs:documentation xml:lang="en">For labeling an item as a Data Management Plan (DMP), use the DataCite standard type OutputManagementPlan</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="Award" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">An umbrella term for resources provided to individual(s) or organization(s) in support of research, academic output, or training, such as a specific instance of funding, grant, investment, sponsorship, scholarship, recognition, or non-monetary materials.</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:restriction> </pre>

```

<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: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>
<xs:enumeration value="OutputManagementPlan" xml:lang="en">
    <xs:annotation>
        <xs:documentation xml:lang="en">A formal document that outlines how research outputs are to be handled both during a research project and after the project is completed.</xs:documentation>
        <xs:documentation xml:lang="en">Use this resource type for items that serve as the Data Management Plan (DMP) for a TigerData project.</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:documentation xml:lang="en">Use this resource type for all TigerData projects and subprojects.</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:enumeration value="README" xml:lang="en">
  <xs:annotation>
    <xs:documentation xml:lang="en">A simple text file used to document important information
    about a containing resource.</xs:documentation>
    <xs:documentation xml:lang="en">Use this resource type for all items serving as README files
    for TigerData projects.</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="DataDocumentation" xml:lang="en">
  <xs:annotation>
    <xs:documentation xml:lang="en">A resource used to document detailed information about data
    in a containing resource (e.g., a codebook or data dictionary).</xs:documentation>
    <xs:documentation xml:lang="en">Use this resource type for items serving as supplemental
    documentation to the README for a TigerData project.</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 All standard specifications for licenses are drawn from https://spdx.org/licenses/																								
Diagram	<pre> classDiagram class licenseURIType class xs:anyURI licenseURIType < -- xs:anyURI </pre> <p>Standard type that defines the controlled vocabulary for the licenseURI attribute All standard specifications for...</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-Nonderivatives 4.0 International CC BY-ND 4.0</td> </tr> <tr> <td>enumeration</td> <td>https://creativecommons.org/licenses/by-nc-nd/4.0/</td> <td>Creative Commons Attribution-Noncommercial-Nonderivatives 4.0 International CC BY-NC-ND 4.0</td> </tr> <tr> <td>enumeration</td> <td>https://opensource.org/license/MIT</td> <td>The MIT License MIT</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-Nonderivatives 4.0 International CC BY-ND 4.0	enumeration	https://creativecommons.org/licenses/by-nc-nd/4.0/	Creative Commons Attribution-Noncommercial-Nonderivatives 4.0 International CC BY-NC-ND 4.0	enumeration	https://opensource.org/license/MIT	The MIT License MIT
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-Nonderivatives 4.0 International CC BY-ND 4.0																							
enumeration	https://creativecommons.org/licenses/by-nc-nd/4.0/	Creative Commons Attribution-Noncommercial-Nonderivatives 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:documentation xml:lang="en">All standard specifications for licenses are drawn from https://spdx.org/licenses/</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: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: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: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: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: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: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>
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Simple Type licenseIDType

Namespace	No namespace
Annotations	<p>Standard type that defines the controlled vocabulary for the licenseID attribute</p> <p>All standard specifications for licenses are drawn from https://spdx.org/licenses/</p>
Diagram	<pre> classDiagram class licenseIDType { <<Standard type that defines the controlled vocabulary for the licenseID attribute<>> <<All standard specifications for licenses are drawn from https://spdx.org/licenses/>> } class xsString { <<Built-in primitive type. The string datatype represents character strings in XML.>> } licenseIDType < -- xsString </pre>
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:documentation xml:lang="en">All standard specifications for licenses are drawn from https://spdx.org/licenses/</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:documentation>https://creativecommons.org/publicdomain/zero/1.0/</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:documentation>https://creativecommons.org/licenses/by/4.0/</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:documentation>https://creativecommons.org/licenses/by-sa/4.0/</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:documentation>https://creativecommons.org/licenses/by-nc/4.0/</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: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:restriction> </xs:simpleType></pre>		

```

<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 (v4.6+)</p> <p>https://datacite-metadata-schema.readthedocs.io/en/4.6/appendices/appendix-1/relatedIdentifierType/</p> <p>Appends a custom option for TigerData items: MFAID</p> <p>TigerData projects and subprojects should use DOI</p>																				
Diagram	<pre> classDiagram class relatedIDTypeType { <<Standard type that defines the controlled vocabulary for the relatedIDType attribute. Applies to both Projects and...>> } class xsString { <<Built-in primitive type. The string datatype represents character strings in XML.>> } relatedIDTypeType ⊂ xsString </pre>																				
Type	restriction of xs:string																				
Facets	<table border="1"> <tr> <td>enumeration</td> <td>ARK</td> <td>Archival Resource Key A URI designed to support long-term access to information objects.</td> </tr> <tr> <td>enumeration</td> <td>arXiv</td> <td>arXiv identifier 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>CSTR</td> <td>Common Science and Technology Resources Identifier CSTR is an identifier based on the Chinese National Standard GB/T 32843-2016 "Science and technology resource identification", providing a unique identification service for scientific data, papers, scientific institutions, researchers, scientific instruments, patents and other scientific and technological resources.</td> </tr> <tr> <td>enumeration</td> <td>DOI</td> <td>Digital Object Identifier 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. Use this type to reference TigerData projects</td> </tr> <tr> <td>enumeration</td> <td>EAN13</td> <td>European Article Number (now renamed International Article Number, but retaining the original acronym)</td> </tr> </table>			enumeration	ARK	Archival Resource Key A URI designed to support long-term access to information objects.	enumeration	arXiv	arXiv identifier 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	CSTR	Common Science and Technology Resources Identifier CSTR is an identifier based on the Chinese National Standard GB/T 32843-2016 "Science and technology resource identification", providing a unique identification service for scientific data, papers, scientific institutions, researchers, scientific instruments, patents and other scientific and technological resources.	enumeration	DOI	Digital Object Identifier 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. Use this type to reference TigerData projects	enumeration	EAN13	European Article Number (now renamed International Article Number, but retaining the original acronym)
enumeration	ARK	Archival Resource Key A URI designed to support long-term access to information objects.																			
enumeration	arXiv	arXiv identifier 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	CSTR	Common Science and Technology Resources Identifier CSTR is an identifier based on the Chinese National Standard GB/T 32843-2016 "Science and technology resource identification", providing a unique identification service for scientific data, papers, scientific institutions, researchers, scientific instruments, patents and other scientific and technological resources.																			
enumeration	DOI	Digital Object Identifier 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. Use this type to reference TigerData projects																			
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	Electronic International Standard Serial Number 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	International Generic Sample Number A code that uniquely identifies samples from our natural environment and related features-of-interest.
enumeration	ISBN	International Standard Book Number A unique numeric book identifier. There are 2 formats: a 10-digit ISBN format and a 13-digit ISBN.
enumeration	ISSN	International Standard Serial Number A unique 8-digit number used to identify a print or electronic periodical publication.
enumeration	ISTC	International Standard Text Code A unique "number" assigned to a textual work. An ISTC consists of 16 numbers and/or letters.
enumeration	LISSN	The linking ISSN or ISSN-L enables collocation or linking among different media versions of a continuing resource.
enumeration	LSID	Life Science Identifiers A unique identifier for data in the Life Science domain.
enumeration	PMID	PubMed identifier A unique number assigned to each PubMed record.
enumeration	PURL	Persistent Uniform Resource Locator A PURL has three parts: (1) a protocol, (2) a resolver address, and (3) a name.
enumeration	RRID	Research Resource IDentifier A character string used to uniquely identify key inputs to an experiment including the so-called "key biological resources" as defined by the National Institutes of Health, and related tools such as core facilities and databases. An RRID name is divided into two parts, the authority and a local identifier, separated by an underscore.
enumeration	UPC	Universal Product Code A barcode symbology used for tracking trade items in stores. Its most common form, the UPC-A, consists of 12 numerical digits.
enumeration	URL	Uniform Resource Locator Also known as web address, a URL is a specific character string that constitutes a reference to a resource.
enumeration	URN	Uniform Resource Name A unique and persistent identifier of an electronic document.
enumeration	w3id	Permanent identifier for Web applications Mostly used to publish vocabularies and ontologies. The letters 'w3' stand for "World Wide Web".
enumeration	MFAID	A Mediaflux Asset ID number Include the domain and namespace to make the ID as persistent as possible

Use this type to reference TigerData items	
Used by	Attribute
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 (v4.6+)</xs:documentation> <xs:documentation href="https://datacite-metadata-schema.readthedocs.io/en/4.6/appendices/appendix-1/relatedIdentifierType"></xs:documentation> <xs:documentation xml:lang="en">Appends a custom option for TigerData items: MFAID</xs:documentation> <xs:documentation xml:lang="en">TigerData projects and subprojects should use DOI</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:enumeration value="ARK" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">Archival Resource Key</xs:documentation> <xs:documentation xml:lang="en">A URI designed to support long-term access to information objects.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="arXiv" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">arXiv identifier</xs:documentation> <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:enumeration value="CSTR" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">Common Science and Technology Resources Identifier</xs:documentation> <xs:documentation xml:lang="en">CSTR is an identifier based on the Chinese National Standard GB/T 32843–2016 "Science and technology resource identification", providing a unique identification service for scientific data, papers, scientific institutions, researchers, scientific instruments, patents and other scientific and technological resources.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="DOI" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">Digital Object Identifier</xs:documentation> <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:documentation xml:lang="en">Use this type to reference TigerData projects</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">Electronic International Standard Serial Number</xs:documentation> <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> </pre>

```

<xs:documentation xml:lang="en">International Generic Sample Number</xs:documentation>
<xs:documentation xml:lang="en">A code that uniquely identifies samples from our natural
environment and related features-of-interest.</xs:documentation>
</xs:annotation>
</xs:enumeration>
<xs:enumeration value="ISBN" xml:lang="en">
<xs:annotation>
<xs:documentation xml:lang="en">International Standard Book Number</xs:documentation>
<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:annotation>
</xs:enumeration>
<xs:enumeration value="ISSN" xml:lang="en">
<xs:annotation>
<xs:documentation xml:lang="en">International Standard Serial Number</xs:documentation>
<xs:documentation xml:lang="en">A unique 8-digit number used to identify a print or
electronic periodical publication.</xs:documentation>
</xs:annotation>
</xs:enumeration>
<xs:enumeration value="ISTC" xml:lang="en">
<xs:annotation>
<xs:documentation xml:lang="en">International Standard Text Code</xs:documentation>
<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: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">Life Science Identifiers</xs:documentation>
<xs:documentation xml:lang="en">A unique identifier for data in the Life Science domain.</
xs:documentation>
</xs:annotation>
</xs:enumeration>
<xs:enumeration value="PMID" xml:lang="en">
<xs:annotation>
<xs:documentation xml:lang="en">PubMed identifier</xs:documentation>
<xs:documentation xml:lang="en">A unique number assigned to each PubMed record.</
xs:documentation>
</xs:annotation>
</xs:enumeration>
<xs:enumeration value="PURL" xml:lang="en">
<xs:annotation>
<xs:documentation xml:lang="en">Persistent Uniform Resource Locator</xs:documentation>
<xs:documentation xml:lang="en">A PURL has three parts: (1) a protocol, (2) a resolver
address, and (3) a name.</xs:documentation>
</xs:annotation>
</xs:enumeration>
<xs:enumeration value="RRID" xml:lang="en">
<xs:annotation>
<xs:documentation xml:lang="en">Research Resource IDentifier</xs:documentation>
<xs:documentation xml:lang="en">A character string used to uniquely identify key inputs
to an experiment including the so-called "key biological resources" as defined by the National
Institutes of Health, and related tools such as core facilities and databases. An RRID name
is divided into two parts, the authority and a local identifier, separated by an underscore.</
xs:documentation>
</xs:annotation>
</xs:enumeration>
<xs:enumeration value="UPC" xml:lang="en">
<xs:annotation>
<xs:documentation xml:lang="en">Universal Product Code</xs:documentation>
<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:annotation>
</xs:enumeration>
<xs:enumeration value="URL" xml:lang="en">
<xs:annotation>
<xs:documentation xml:lang="en">Uniform Resource Locator</xs:documentation>
<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:annotation>
</xs:enumeration>
<xs:enumeration value="URN" xml:lang="en">
<xs:annotation>
<xs:documentation xml:lang="en">Uniform Resource Name</xs:documentation>
<xs:documentation xml:lang="en">A unique and persistent identifier of an electronic
document.</xs:documentation>
</xs:annotation>
```

```

</xs:enumeration>
<xs:enumeration value="w3id" xml:lang="en">
    <xs:annotation>
        <xs:documentation xml:lang="en">Permanent identifier for Web applications</xs:documentation>
        <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: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:documentation xml:lang="en">Use this type to reference TigerData items</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 (v4.6+)</p> <p>https://datacite-metadata-schema.readthedocs.io/en/4.6/appendices/appendix-1/relationType/</p> <p>The value is applied to object A to denote its relation to object B</p> <p>Appends custom options for TigerData: HasSubproject, IsSubprojectOf, HasItem, and IsItemOf</p> <p>Formal parent-child relationships between TigerData resources are called out in the parentProject field, and they can be further specified by relationType</p>																																																
Diagram	<pre> classDiagram class relationTypeType { <<Standard type that defines the controlled vocabulary for the relationType attribute. Applies to both Projects and...>> } class xs_string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } relationTypeType < -- xs_string </pre>																																																
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> <tr> <td>enumeration</td> <td>IsPartOf</td> <td>A is a portion of B; may be used for elements of a series Do not use for formal parent-child relationships between TigerData projects, subprojects, or items</td> </tr> <tr> <td>enumeration</td> <td>HasPart</td> <td>A includes the part B Do not use for formal parent-child relationships between TigerData projects, subprojects, or items</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	IsPartOf	A is a portion of B; may be used for elements of a series Do not use for formal parent-child relationships between TigerData projects, subprojects, or items	enumeration	HasPart	A includes the part B Do not use for formal parent-child relationships between TigerData projects, subprojects, or items
enumeration	IsCitedBy	B includes A in a citation																																															
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enumeration	HasMetadata	A has additional metadata B																																															
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enumeration	HasPart	A includes the part B Do not use for formal parent-child 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	IsTranslationOf	A is a translation of B
	enumeration	HasTranslation	A has a translation 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 (v4.6+)</xs:documentation> <xs:documentation>https://datacite-metadata-schema.readthedocs.io/en/4.6/appendices/appendix-1/relationType/</xs:documentation> <xs:documentation xml:lang="en">The value is applied to object A to denote its relation to object B</xs:documentation> <xs:documentation xml:lang="en">Appends custom options for TigerData: HasSubproject, IsSubprojectOf, HasItem, and IsItemOf</xs:documentation> <xs:documentation xml:lang="en">Formal parent-child relationships between TigerData resources are called out in the parentProject field, and they can be further specified by relationType</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> </pre>		

```

<xs:enumeration value="IsCitedBy" xml:lang="en">
    <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:documentation xml:lang="en">Do not use for formal parent-child relationships between TigerData projects, subprojects, or items</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:documentation xml:lang="en">Do not use for formal parent-child 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="IsTranslationOf" xml:lang="en">
  <xs:annotation>
    <xs:documentation xml:lang="en">A is a translation of B</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="HasTranslation" xml:lang="en">
  <xs:annotation>
    <xs:documentation xml:lang="en">A has a translation 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 `dateTimeType`

Namespace	No namespace
Annotations	<p>Standard type that defines the controlled vocabulary for the <code>dateTime</code> attribute</p> <p>Applies to both Projects and Items</p> <p>Derived from the DataCite controlled vocabulary for <code>dateTime</code> (v4.6+)</p> <p>https://datacite-metadataschema.readthedocs.io/en/4.6/appendices/appendix-1/dateType/</p>

Diagram	<p>The diagram shows a UML class named "dateTypeType" with a generalization relationship to the built-in primitive type "xs:string". A callout box below "dateTypeType" states: "Standard type that defines the controlled vocabulary for the dateType attribute. Applies to both Projects and Items." 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	Accepted	The date that the publisher accepted the resource into their system.
	enumeration	Available	The date the resource is made publicly available. May be a range.
	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	Issued	The date that the resource is published or distributed, e.g., to a data centre.
	enumeration	Submitted	The date the creator submits the resource to the publisher. This could be different from Accepted if the publisher then applies a selection process.
	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	Withdrawn	The date the resource is removed.
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 (v4.6+)</xs:documentation> <xs:documentation>https://datacite-metadata-schema.readthedocs.io/en/4.6/appendices/appendix-1/dateType/</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:enumeration value="Accepted" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">The date that the publisher accepted the resource into their system.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="Available" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">The date the resource is made publicly available. May be a range.</xs:documentation> </xs:annotation> </xs:enumeration> <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> </pre>		

```

<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="Issued" xml:lang="en">
    <xs:annotation>
        <xs:documentation xml:lang="en">The date that the resource is published or distributed,
e.g., to a data centre.</xs:documentation>
    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="Submitted" xml:lang="en">
    <xs:annotation>
        <xs:documentation xml:lang="en">The date the creator submits the resource to the publisher.
This could be different from Accepted if the publisher then applies a selection process.</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="Withdrawn" xml:lang="en">
    <xs:annotation>
        <xs:documentation xml:lang="en">The date the resource is removed.</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>

```

Simple Type researchDomainNameType

Namespace	No namespace								
Annotations	<p>Standard type that defines the controlled vocabulary for the researchDomain field</p> <p>Applies when projectPurpose is Research</p> <p>Options are limited to the 4 domains Princeton University uses to categorize academic departments</p>								
Diagram	<p>Standard type that defines the controlled vocabulary for the researchDomain field Applies when projectPurpose is...</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>								
Type	restriction of xs:string								
Facets	<table border="1"> <tr> <td>enumeration</td> <td>Natural Sciences</td> </tr> <tr> <td>enumeration</td> <td>Engineering</td> </tr> <tr> <td>enumeration</td> <td>Social Sciences</td> </tr> <tr> <td>enumeration</td> <td>Humanities</td> </tr> </table>	enumeration	Natural Sciences	enumeration	Engineering	enumeration	Social Sciences	enumeration	Humanities
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">Applies when projectPurpose is Research</xs:documentation> <xs:documentation xml:lang="en">Options are limited to the 4 domains Princeton University uses to categorize academic 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:restriction> </xs:simpleType> </pre>								

```
<xs:enumeration value="Humanities" xml:lang="en" />
</xs:restriction>
</xs:simpleType>
```

Simple Type departmentType

Namespace	No namespace				
Annotations	<p>Standard type that defines the allowable values for department</p> <p>Applies to all projects, regardless of projectPurpose</p> <p>Princeton department names typically start with a 2- or 3-character abbreviation, followed by a minus-dash, and then a short description; however, several exceptions exist</p> <p>The enforceable pattern is a string length from 6 to 38 (the real string max is 30, but we need to account for XML escape sequences for special characters)</p>				
Diagram	<pre> classDiagram departmentType < -- xs:string </pre> <p>Standard type that defines the allowable values for department Applies to all projects, regardless of...</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>				
Type	restriction of xs:string				
Facets	<table> <tr> <td>minLength</td> <td>6</td> </tr> <tr> <td>maxLength</td> <td>38</td> </tr> </table>	minLength	6	maxLength	38
minLength	6				
maxLength	38				
Used by	Element projectDescription/departments/department				
Source	<pre> <xs:simpleType name="departmentType"> <xs:annotation> <xs:documentation xml:lang="en">Standard type that defines the allowable values for department</xs:documentation> <xs:documentation xml:lang="en">Applies to all projects, regardless of projectPurpose</xs:documentation> <xs:documentation xml:lang="en">Princeton department names typically start with a 2- or 3-character abbreviation, followed by a minus-dash, and then a short description; however, several exceptions exist</xs:documentation> <xs:documentation xml:lang="en">The enforceable pattern is a string length from 6 to 38 (the real string max is 30, but we need to account for XML escape sequences for special characters)</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:minLength value="6"/> <xs:maxLength value="38"/> </xs:restriction> </xs:simpleType> </pre>				

Simple Type visibilityType

Namespace	No namespace									
Annotations	<p>Standard type to specify how open a resource's record should be to users</p> <p>Only those fields which have the attribute discoverable set to true can be made visible</p>									
Diagram	<pre> classDiagram visibilityType < -- xs:string </pre> <p>Standard type to specify how open a resource's record should be to users Only those fields which have the attribute...</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>									
Type	restriction of xs:string									
Facets	<table> <tr> <td>enumeration</td> <td>Restricted</td> <td>Visibility is restricted to those assigned explicit roles on the resource</td> </tr> <tr> <td>enumeration</td> <td>Limited</td> <td>Visibility is limited to TigerData users</td> </tr> <tr> <td>enumeration</td> <td>Open</td> <td>Visibility is open to the general public</td> </tr> </table>	enumeration	Restricted	Visibility is restricted to those assigned explicit roles on the resource	enumeration	Limited	Visibility is limited to TigerData users	enumeration	Open	Visibility is open to the general public
enumeration	Restricted	Visibility is restricted to those assigned explicit 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:annotation> </pre>									

```

<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 explicit 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>

```

Simple Type storagePerformanceType

Namespace	No namespace		
Annotations	Standard type that defines the controlled vocabulary for storage performance values		
Diagram	<p>storagePerformanceType</p> <p>xs:string</p> <p>Standard type that defines the controlled vocabulary for storage performance values</p> <p>Built-in primitive type. The string datatype 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, expected 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> <p>A special request may be required for this tier</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:restriction> </pre>		

```

</xs:annotation>
</xs:enumeration>
<xs:enumeration value="Standard" xml:lang="en">
    <xs:annotation>
        <xs:documentation xml:lang="en">The middle storage tier for TigerData, expected 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:documentation xml:lang="en">A special request may be required for this tier</xs:documentation>
    </xs:annotation>
</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 generalization relationship indicated by a hollow circle to another class named 'xs:string'. A callout box points to the 'fileEstimateType' class with the text 'Standard type that defines the controlled vocabulary for the numberOfFiles field'. 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	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> </pre>		

```

<xs:documentation xml:lang="en">The project is estimated to include more than 1,000,000
files at any one time</xs:documentation>
<xs:documentation xml:lang="en">A special request may be required for this largest
category</xs:documentation>
</xs:annotation>
</xs:enumeration>
</xs:restriction>
</xs:simpleType>

```

Simple Type hpcType

Namespace	No namespace											
Annotations	Standard type that defines the controlled vocabulary for the hpc field											
Diagram	<pre> classDiagram class hpcType { <<Standard type that defines the controlled vocabulary for the hpc field>> } class xsString { <<Built-in primitive type. The string datatype represents character strings in XML.>> } hpcType < -- xsString </pre>											
Type	restriction of xs:string											
Facets	<table border="1"> <tr> <td>enumeration</td> <td>No</td> <td>The project is not expected to connect to high performance computing resources</td> </tr> <tr> <td>enumeration</td> <td>Yes</td> <td>The project is expected to connect to high performance computing resources</td> </tr> <tr> <td>enumeration</td> <td>Not Sure</td> <td> The submitter is unsure whether the project will need to connect to high performance computing resources More conversation may be required to clarify needs </td> </tr> </table>			enumeration	No	The project is not expected to connect to high performance computing resources	enumeration	Yes	The project is expected to connect to high performance computing resources	enumeration	Not Sure	The submitter is unsure whether the project will need to connect to high performance computing resources More conversation may be required to clarify needs
enumeration	No	The project is not expected to connect to high performance computing resources										
enumeration	Yes	The project is expected to connect to high performance computing resources										
enumeration	Not Sure	The submitter is unsure whether the project will need to connect to high performance computing resources More conversation may be required to clarify needs										
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 is not expected 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 is expected 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">The submitter is unsure whether the project will need to connect to high performance computing resources</xs:documentation> <xs:documentation xml:lang="en">More conversation may be required to clarify needs</ 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 < -- xsString </pre>		
Type	restriction of xs:string		
Facets	enumeration	Research	The project is intended to contain mainly research data

		This includes projects for labs and research groups; it is not restricted to one specific research project
	enumeration Administrative	The project is intended to contain mainly administrative data
		This includes library and other staff-managed archive use-cases
	enumeration Teaching	The project is intended to contain mainly data related to teaching and learning activities
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 mainly research data</xs:documentation> <xs:documentation xml:lang="en">This includes projects for labs and research groups; it is not restricted to one specific research project</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 mainly administrative data</xs:documentation> <xs:documentation xml:lang="en">This includes library and other staff-managed archive use-cases</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="Teaching" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">The project is intended to contain mainly data related to teaching and learning activities</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 All standard specifications for licenses are drawn from https://spdx.org/licenses/															
Diagram	<pre> classDiagram class licenseType { <<Standard type that defines the controlled vocabulary for the license field>> <<All standard specifications for licenses are...>> } class xs:string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } licenseType ⊂ xs:string </pre>															
Type	restriction of xs:string															
Facets	<table border="1"> <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> <tr> <td>enumeration</td> <td>Creative Commons Attribution-Noncommercial 4.0 International</td> <td>CC BY-NC 4.0 https://creativecommons.org/licenses/by-nc/4.0/</td> </tr> <tr> <td>enumeration</td> <td>Creative Commons Attribution-Noncommercial-Sharealike 4.0 International</td> <td>CC BY-NC-SA 4.0 https://creativecommons.org/licenses/by-nc-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 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 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 Attri- bution-Noderivatives 4.0 International	CC BY-ND 4.0 https://creativecommons.org/licenses/by-nd/4.0/
	enumeration	Creative Commons At- tribution-Noncommer- cial-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:documentation xml:lang="en">All standard specifications for licenses are drawn from https://spdx.org/licenses/</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>		

Simple Type **statusType**

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

Annotations	Standard type that defines the controlled vocabulary for the status field Applies only to Projects																
Diagram	<p>statusType</p> <p>xs:string</p> <p>Standard type that defines the controlled vocabulary for the status field Applies only to Projects</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>																
Type	restriction of xs:string																
Facets	<table> <tr> <td>enumeration</td> <td>AdminReview</td> <td>The project request has been submitted, with approval by the assigned Data Sponsor, but it is not yet approved by a System Administrator Applies if the submission field lacks complete approvedBy or approvalDateTime subfields This is typically the initial status of a project record; it marks the point at which a DOI is minted for the projectID</td> </tr> <tr> <td>enumeration</td> <td>Approved</td> <td>The project has been approved by the assigned Data Sponsor and a System Administrator, but it is not yet active (i.e., not yet ready for the users) 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</td> </tr> <tr> <td>enumeration</td> <td>Active</td> <td>The project is live: approved and available to users 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</td> </tr> <tr> <td>enumeration</td> <td>Retired</td> <td>The project has been retired due to lack of use or by request of the Data Sponsor or the Data Manager Applies if the the retirement field has complete approvedBy and approvalDateTime subfields If the retirementDate field is filled, then the change to Retired status is expected to occur on or after the retirementDate</td> </tr> <tr> <td>enumeration</td> <td>Published</td> <td>The project has been published Applies if the the publication field has complete approvedBy and approvalDateTime subfields If the publicationDate field is filled, then the change to Published status is expected to occur on or after the publicationDate</td> </tr> </table>		enumeration	AdminReview	The project request has been submitted, with approval by the assigned Data Sponsor, but it is not yet approved by a System Administrator Applies if the submission field lacks complete approvedBy or approvalDateTime subfields This is typically the initial status of a project record; it marks the point at which a DOI is minted for the projectID	enumeration	Approved	The project has been approved by the assigned Data Sponsor and a System Administrator, but it is not yet active (i.e., not yet ready for the users) 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	enumeration	Active	The project is live: approved and available to users 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	enumeration	Retired	The project has been retired due to lack of use or by request of the Data Sponsor or the Data Manager Applies if the the retirement field has complete approvedBy and approvalDateTime subfields If the retirementDate field is filled, then the change to Retired status is expected to occur on or after the retirementDate	enumeration	Published	The project has been published Applies if the the publication field has complete approvedBy and approvalDateTime subfields If the publicationDate field is filled, then the change to Published status is expected to occur on or after the publicationDate
enumeration	AdminReview	The project request has been submitted, with approval by the assigned Data Sponsor, but it is not yet approved by a System Administrator Applies if the submission field lacks complete approvedBy or approvalDateTime subfields This is typically the initial status of a project record; it marks the point at which a DOI is minted for the projectID															
enumeration	Approved	The project has been approved by the assigned Data Sponsor and a System Administrator, but it is not yet active (i.e., not yet ready for the users) 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															
enumeration	Active	The project is live: approved and available to users 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															
enumeration	Retired	The project has been retired due to lack of use or by request of the Data Sponsor or the Data Manager Applies if the the retirement field has complete approvedBy and approvalDateTime subfields If the retirementDate field is filled, then the change to Retired status is expected to occur on or after the retirementDate															
enumeration	Published	The project has been published Applies if the the publication field has complete approvedBy and approvalDateTime subfields If the publicationDate field is filled, then the change to Published status is expected to occur on or after the publicationDate															
Used by	Element	projectFields/projectProvenance/status															
Source	<pre> <xssimpleType name="statusType"> <xssannotation> <xsddocumentation xml:lang="en">Standard type that defines the controlled vocabulary for the status field</xsddocumentation> <xsddocumentation xml:lang="en">Applies only to Projects</xsddocumentation> </xssannotation> <xsrrestriction base="xs:string"> <xselementation value="AdminReview" xml:lang="en"> <xssannotation> <xsddocumentation xml:lang="en">The project request has been submitted, with approval by the assigned Data Sponsor, but it is not yet approved by a System Administrator</xsddocumentation> <xsddocumentation xml:lang="en">Applies if the submission field lacks complete approvedBy or approvalDateTime subfields</xsddocumentation> <xsddocumentation xml:lang="en">This is typically the initial status of a project record; it marks the point at which a DOI is minted for the projectID</xsddocumentation> </xssannotation> </xselementation> <xselementation value="Approved" xml:lang="en"> <xssannotation> </pre>																

```

<xs:documentation xml:lang="en">The project has been approved by the assigned Data Sponsor  

and a System Administrator, but it is not yet active (i.e., not yet ready for the users)</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="Active" xml:lang="en">
<xs:annotation>
<xs:documentation xml:lang="en">The project is live: approved and available to users</xs:documentation>
</xs:annotation>
<xs:enumeration value="Retired" xml:lang="en">
<xs:annotation>
<xs:documentation xml:lang="en">The project has been retired due to lack of use or by  

request of the Data Sponsor or the Data Manager</xs:documentation>
<xs:documentation xml:lang="en">Applies if the the retirement field has complete approvedBy  

and approvalDateTime subfields</xs:documentation>
<xs:documentation xml:lang="en">If the retirementDate field is filled, then the change to  

Retired status is expected to occur on or after the retirementDate</xs:documentation>
</xs:annotation>
</xs:enumeration>
<xs:enumeration value="Published" xml:lang="en">
<xs:annotation>
<xs:documentation xml:lang="en">The project has been published</xs:documentation>
<xs:documentation xml:lang="en">Applies if the the publication field has complete approvedBy  

and approvalDateTime subfields</xs:documentation>
<xs:documentation xml:lang="en">If the publicationDate field is filled, then the change to  

Published status is expected to occur on or after the publicationDate</xs:documentation>
</xs:annotation>
</xs:enumeration>
</xs:restriction>
</xs:simpleType>

```

Simple Type mediafluxAssetIDType

Namespace	No namespace				
Annotations	Standard type used for Mediaflux Asset ID (MFAID) values Per Mediaflux Concepts v 0.10 (2021), asset IDs must be in the range [1,9223372036854775807]				
Diagram	<p>The diagram shows a UML class named "mediafluxAssetIDType" with a hollow diamond symbol indicating inheritance, followed by a solid line connecting it to the "xs:integer" class. A callout box below the class definition provides the standard for MFAID values and the range requirement.</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	Standard type for the values of projectID and parentProject fields

	Applies to both Projects (projectID and parentProject) and Items (parentProject)												
Diagram	<pre> classDiagram projectIDValueType "0..1" --> doiType doiType < -- Attributes Attributes < -- projectIDType projectIDType < -- Fixed projectIDType < -- DOI note "Makes explicit that the project ID is always given as a DOI" </pre>												
Type	extension of doiType												
Type hierarchy	<ul style="list-style-type: none"> • xs:string • doiType • projectIDValueType 												
Used by	Elements parentProject, projectFields/projectID												
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>projectIDType</td> <td></td> <td>DOI</td> <td>optional</td> </tr> <tr> <td></td> <td></td> <td></td> <td>Makes explicit that the project ID is always given as a DOI</td> </tr> </tbody> </table>	QName	Type	Fixed	Use	projectIDType		DOI	optional				Makes explicit that the project ID is always given as a DOI
QName	Type	Fixed	Use										
projectIDType		DOI	optional										
			Makes explicit that the project ID is always given as a DOI										
Source	<pre> <xss:complexType name="projectIDValueType"> <xss:annotation> <xss:documentation xml:lang="en">Standard type for the values of projectID and parentProject fields</xss:documentation> <xss:documentation xml:lang="en">Applies to both Projects (projectID and parentProject) and Items (parentProject)</xss:documentation> </xss:annotation> <xss:simpleContent> <xss:extension base="doiType"> <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> </xss:extension> </xss:simpleContent> </xss:complexType> </pre>												

Complex Type textType

Namespace	No namespace
Annotations	Standard type used for free text values
Diagram	<pre> classDiagram textType "0..1" --> limitedTextType limitedTextType < -- Attributes Attributes < -- xmlLang xmlLang < -- Default xmlLang < -- en note "<div> <h3>lang (as an attribute name)</h3> <p> denotes an attribute whose value is a language code for the natural..." </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, storageAndAccess/accessPoints/globusCollection/globusName

Attributes	QName	Type	Default	Use	
	xml:lang	union of(xs:language, restriction of xs:string)	en	optional	
		<div> <h3>lang (as an attribute name)</h3> <p>denotes an attribute whose value is a language code for the natural language of the content of any element; its value is inherited. This name is reserved by virtue of its definition in the XML specification.</p> </div> <div> <h4>Notes</h4> <p>Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility.</p> <p>See BCP 47 at http://www.rfc-editor.org/rfc/bcp/bcp47.txtand the IANA language subtag registry at http://www.iana.org/assignments/language-subtag-registryfor further information.</p> <p>The union allows for the 'un-declaration' of xml:lang with the empty string.</p> </div>			
Source		<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>			

Complex Type titleType

Namespace	No namespace															
Annotations	Standard type used for title values															
Diagram	<pre> classDiagram class titleType { <<Base Type limitedTitleType>> } class limitedTitleType { <<Specification for the practical limit for text values within titleType>> } titleType < -- limitedTitleType titleType < -- limitedTitleType </pre> <p>The diagram illustrates the inheritance structure of the titleType complex type. It shows two classes: titleType and limitedTitleType. titleType is labeled as the 'Base Type' and limitedTitleType is labeled as the 'Extension'. Both classes are associated with the annotation 'Standard type used for title values'.</p>															
Type	extension of limitedTitleType															
Type hierarchy	<ul style="list-style-type: none"> • xs:string • limitedTitleType • titleType 															
Used by	Element title															
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Default</th> <th>Use</th> <th></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><td></td></tr> <tr> <td></td><td><div> <h3>lang (as an attribute name)</h3> <p>denotes an attribute whose value is a language code for the natural language of the content of any element; its value is inherited. This name is reserved by virtue of its definition in the XML specification.</p> </div> <div> <h4>Notes</h4> <p>Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility.</p> </div></td><td></td><td></td><td></td></tr> </tbody> </table>	QName	Type	Default	Use		xml:lang	union of(xs:language, restriction of xs:string)	en	optional			<div> <h3>lang (as an attribute name)</h3> <p>denotes an attribute whose value is a language code for the natural language of the content of any element; its value is inherited. This name is reserved by virtue of its definition in the XML specification.</p> </div> <div> <h4>Notes</h4> <p>Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility.</p> </div>			
QName	Type	Default	Use													
xml:lang	union of(xs:language, restriction of xs:string)	en	optional													
	<div> <h3>lang (as an attribute name)</h3> <p>denotes an attribute whose value is a language code for the natural language of the content of any element; its value is inherited. This name is reserved by virtue of its definition in the XML specification.</p> </div> <div> <h4>Notes</h4> <p>Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility.</p> </div>															

QName	Type	Default	Use
	<p><p>See BCP 47 at http://www.rfc-editor.org/rfc/bcp/bcp47.txt and the IANA language subtag registry at http://www.iana.org/assignments/language-subtag-registry for further information.</p></p> <p><p>The union allows for the 'un-declaration' of xml:lang with the empty string.</p></p>		
Source	<pre><xss:complexType name="titleType"> <xss:annotation> <xss:documentation xml:lang="en">Standard type used for title values</xss:documentation> </xss:annotation> <xss:simpleContent> <xss:extension base="limitedTitleType"> <xss:attribute ref="xml:lang" default="en" /> </xss:extension> </xss:simpleContent> </xss:complexType></pre>		

Complex Type shortDescriptionType

Namespace	No namespace								
Annotations	Standard type used for short descriptive values (e.g., itemResourceType and keyword)								
Diagram	<p>The diagram illustrates the inheritance relationship between <code>shortDescriptionType</code> and <code>shortDescriptionLimitType</code>. <code>shortDescriptionType</code> is defined as a base type for <code>shortDescriptionLimitType</code>. It contains an attribute <code>@xml:lang</code> with a default value of <code>en</code>. A note specifies that <code>lang</code> is an attribute name whose value is a language code for the natural language of the content.</p>								
Type	extension of <code>shortDescriptionLimitType</code>								
Type hierarchy	<ul style="list-style-type: none"> • <code>xs:string</code> • <code>shortDescriptionLimitType</code> • <code>shortDescriptionType</code> 								
Used by	Elements itemResourceType, projectResourceType, supplementalMetadata/keywords/keyword								
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> </tbody> </table> <p> <div> <h3>lang (as an attribute name)</h3> <p>denotes an attribute whose value is a language code for the natural language of the content of any element; its value is inherited. This name is reserved by virtue of its definition in the XML specification.</p> </div> <div> <h4>Notes</h4> <p>Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility.</p> <p>See BCP 47 at http://www.rfc-editor.org/rfc/bcp/bcp47.txt and the IANA language subtag registry at http://www.iana.org/assignments/language-subtag-registry for further information.</p> <p>The union allows for the 'un-declaration' of xml:lang with the empty string.</p> </div> </p>	QName	Type	Default	Use	<code>xml:lang</code>	union of(xs:language, restriction of xs:string)	en	optional
QName	Type	Default	Use						
<code>xml:lang</code>	union of(xs:language, restriction of xs:string)	en	optional						
Source	<pre><xss:complexType name="shortDescriptionType"> <xss:annotation> <xss:documentation xml:lang="en">Standard type used for short descriptive values (e.g., itemResourceType and keyword)</xss:documentation></pre>								

```

</xs:annotation>
<xs:simpleContent>
  <xs:extension base="shortDescriptionLimitType">
    <xs:attribute ref="xml:lang" default="en" />
  </xs:extension>
</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 : netIDType @ userIDType : xs:string @ netID : netIDType @ PUID : puidType @ orcid : xs:anyURI @ fullName : limitedTextType @ givenName : limitedTextType @ familyName : limitedTextType @ nameDate : dateOrRangeType @ alternativeNameIdentifier : Extension of 'xs:string' } </pre> <p>The diagram illustrates the structure of the <code>userType</code> complex type. It starts with a general <code>userType</code> class, which then branches into various attributes. Each attribute is shown with its name, type, and a brief description. For example, the <code>userID</code> attribute is of type <code>netIDType</code> and is described as specifying a unique user ID. The <code>netID</code> attribute is also of type <code>netIDType</code> and is described as being Princeton NetIDs. Other attributes include <code>PUID</code> (Princeton University ID), <code>orcid</code> (ORCID URL), <code>fullName</code>, <code>givenName</code>, <code>familyName</code>, <code>nameDate</code>, and <code>alternativeNameIdentifier</code>.</p>

Used by	Elements	dataManager, dataSponsor, dataUser, provenanceSubfields/approvedBy, provenanceSubfields/denied-By, provenanceSubfields/eventNote/noteBy, provenanceSubfields/requestedBy, storageAndAccess/ac-cessPoints/globusCollection/globusOwner		
Model	netID{0,1} , PUID{0,1} , orcid{0,1} , fullName{0,1} , givenName{0,1} , familyName{0,1} , nameDate{0,1} , alternativeNameIdentifier{0,100}			
Children	PUID, alternativeNameIdentifier, familyName, fullName, givenName, nameDate, netID, orcid			
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		
Source	userIDType	xs:string	NetID	optional
		Makes explicit that Princeton NetIDs are always used as the identifier for the userID attribute		
<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="netIDType" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The Princeton 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="PUID" type="puidType" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The Princeton University ID (aka Student ID, Employee ID, EMPLID, Princeton ID, or PUID) is a unique nine digit identifier assigned to an individual who has an official affiliation with the University.</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="limitedTextType" 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, if available.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="givenName" type="limitedTextType" 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="limitedTextType" 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="dateOrRangeType" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The date at which the name metadata was recorded.</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:sequence> </xs:complexType></pre>				

```
<xs:simpleContent>
  <xs:extension base="xs:string">
    <xs:attribute name="nameIdentifierSchema" type="limitedTextType" use="required">
      <xs:annotation>
        <xs:documentation xml:lang="en">The name of the schema to which the name identifier
belongs (required when an alternative name identifier is given).</xs:documentation>
      </xs:annotation>
    </xs:attribute>
    <xs:attribute name="schemaURI" type="xs:anyURI" use="required">
      <xs:annotation>
        <xs:documentation xml:lang="en">The URI of the schema 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>
</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 the userID attribute</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 { <<Standard type used for file path values>> } class pathSafeType { <<Standard type used within pathType to prevent invalid entries Restricts to alphanumeric characters, underscore, forward...>> @protocol <<The storage connection protocol that defines how the path is written>> } pathType < -- pathSafeType pathSafeType < -- protocol protocol < -- protocolType protocol < -- Default protocol < -- NFS </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>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>protocol</td> <td>protocolType</td> <td>NFS</td> <td>optional</td> </tr> <tr> <td></td> <td></td> <td>The storage connection protocol that defines how the path is written</td> <td></td> </tr> </tbody> </table>	QName	Type	Default	Use	protocol	protocolType	NFS	optional			The storage connection protocol that defines how the path is written	
QName	Type	Default	Use										
protocol	protocolType	NFS	optional										
		The storage connection protocol that defines how the path is written											
Source	<pre> <xss:complexType name="pathType"> <xss:annotation> <xss:documentation xml:lang="en">Standard type used for file path values</xss:documentation> </xss:annotation> <xss:simpleContent> <xss:extension base="pathSafeType"> <xss:attribute name="protocol" type="protocolType" default="NFS"> <xss:annotation> <xss:documentation xml:lang="en">The storage connection protocol that defines how the path is written</xss:documentation> </xss:annotation> </xss:attribute> </xss:extension> </xss:simpleContent> </xss:complexType> </pre>												

```

        </xs:attribute>
    </xs:extension>
</xs:simpleContent>
</xs:complexType>

```

Complex Type quantityType

Namespace	No namespace
Annotations	Standard type used for generic quantity values
Diagram	<pre> classDiagram class quantityType { size : xs:decimal unit : xs:string } note over quantityType: Standard type used for generic quantity values note over size: size : xs:decimal note over size: The numeric size of the quantity The practical limits for floating point values set by Mediaflux are the range... [4.9E-324, 1.7976931348623157E308] note over unit: unit : xs:string note over unit: The standardized unit of measure for the quantity </pre>
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</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	<pre> classDiagram class storageQuantityType { size : xs:decimal unit : byteUnitType } note over storageQuantityType: Standard type used for storage quantity values note over size: size : xs:decimal note over size: The numeric size of the storage quantity The practical limits for floating point values set by Mediaflux are the range... note over unit: unit : byteUnitType note over unit: The logical byte unit for the storage quantity (base-10) </pre>
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:sequence> </xs:complexType> </pre>

```

<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="byteUnitType" minOccurs="1" maxOccurs="1">
<xs:annotation>
<xs:documentation xml:lang="en">The logical byte unit for the storage quantity (base-10)</
xs:documentation>
</xs:annotation>
</xs:element>
</xs:sequence>
</xs:complexType>

```

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	<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>	

Attribute @inherited

Namespace	No namespace	
Annotations	Standard attribute to specify whether a given field's value should be inherited by any 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/funded, additionalProjectInformation/projectPurpose, additionalProjectInformation/provisionalProject, alternativeID, dataManager, dataSponsor, dataUser, description, duarReference, endDate, fundingReference, itemFields/itemID, itemResourceType, 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, projectResourceType, publicationDate, retirementDate, startDate, storageAndAccess/accessPoints, storageAndAccess/hpc, storageAndAccess/numberOffiles, storageAndAccess/projectVisibility, storageAndAccess/storageCapacity, storageAndAccess/storagePerformance, supplementalMetadata/extendedMetadataSchemas/extendedMetadataSchema, supplementalMetadata/keywords/keyword, supplementalMetadata/relations/relation, title	
Source	<xs:attribute name="inherited" type="xs:boolean"> <xs:annotation> <xs:documentation xml:lang="en">Standard attribute to specify whether a given field's value should be inherited by any child resources</xs:documentation> <xs: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)</ xs:documentation> </xs:annotation> </xs:attribute>	

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/funded, additionalProjectInformation/projectPurpose, additionalProjectInformation/provisionalProject, alternativeIDs, dataManager, dataSponsor, dataUser, description, duaReferences, fundingReferences, itemDates, itemFields/itemID, itemResourceType, languages, licenses, parentProject, projectDates, 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, projectResourceType, storageAndAccess/accessPoints, storageAndAccess/hpc, storageAndAccess/numberOfFiles, storageAndAccess/projectVisibility, storageAndAccess/storageCapacity, storageAndAccess/storagePerformance, supplementalMetadata/extendedMetadataSchemas, supplementalMetadata/keywords, supplementalMetadata/relations, title
Source		<pre><xs:attribute name="discoverable" type="xs:boolean"> <xs:annotation> <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></pre>

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 respective field should be included in any long-term or crosswalked records for the resource
	enumeration	InternalUseOnly	The respective field is intended for internal (Princeton) use only
Used by	Elements	additionalProjectInformation/dataUseAgreement, additionalProjectInformation/funded, additionalProjectInformation/projectPurpose, additionalProjectInformation/provisionalProject, alternativeIDs, dataManager, dataSponsor, dataUsers, description, duaReferences, fundingReferences, itemDates, itemFields/itemID, itemResourceType, languages, licenses, parentProject, projectDates, 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, projectResourceType, storageAndAccess/accessPoints, storageAndAccess/hpc, storageAndAccess/numberOfFiles, storageAndAccess/projectVisibility, storageAndAccess/storageCapacity, storageAndAccess/storagePerformance, supplementalMetadata/extendedMetadataSchemas, supplementalMetadata/keywords, 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 definition for resourceTypeGeneral (v4.6+)		
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	Award	An umbrella term for resources provided to individual(s) or organization(s) in support of research, academic output, or training, such as a specific instance of funding, grant, investment, sponsorship, scholarship, recognition, or non-monetary materials.

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	OutputManagementPlan	A formal document that outlines how research outputs are to be handled both during a research project and after the project is completed. Use this resource type for items that serve as the Data Management Plan (DMP) for a TigerData project.
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. Use this resource type for all TigerData projects and subprojects.
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.
	enumeration	README	A simple text file used to document important information about a containing resource. Use this resource type for all items serving as README files for TigerData projects.
	enumeration	DataDocumentation	A resource used to document detailed information about data in a containing resource (e.g., a codebook or data dictionary). Use this resource type for items serving as supplemental documentation to the README for a TigerData project.
Used by	Elements	itemResourceType, projectResourceType, 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 definition for resourceTypeGeneral (v4.6+)</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/accessPoints/globusEnable, storageAndAccess/accessPoints/smbEnable, 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 / @nameIdentifierSchema

Namespace	No namespace
Annotations	The name of the schema to which the name identifier belongs (required when an alternative name identifier is given).
Type	limitedTextType
Properties	use: required

Facets	minLength	1
	maxLength	1000
Used by	Element	userType/alternativeNameIdentifier
Source	<pre><xs:attribute name="nameIdentifierSchema" type="limitedTextType" use="required"> <xs:annotation> <xs:documentation xml:lang="en">The name of the schema to which the name identifier belongs (required when an alternative name identifier is given).</xs:documentation> </xs:annotation> </xs:attribute></pre>	

Attribute userType / alternativeNameIdentifier / @schemaURI

Namespace	No namespace	
Annotations	The URI of the schema 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="schemaURI" type="xs:anyURI" use="required"> <xs:annotation> <xs:documentation xml:lang="en">The URI of the schema 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-Z]{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> <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 the userID attribute	
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 the userID attribute</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	protocolType	

Properties	default:	NFS	
Facets	enumeration	NFS	Network File System (version not tracked)
	enumeration	SMB	Server Message Block (version not tracked)
			Used interchangeably with Common Internet File System (CIFS)
	enumeration	S3	Amazon Simple Storage Service (version not tracked)
Used by	Complex Type	pathType	
Source	<pre><xs:attribute name="protocol" type="protocolType" default="NFS"> <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> </xs:annotation> </xs:attribute></pre>	

Attribute fundingReference / funderID / @funderIDType

Namespace	No namespace	
Annotations	Records the type of identifier used for funderID	
Type	restriction of xs:string	
Properties	default: ROR	
Facets	enumeration	Crossref Funder ID
	enumeration	GRID
	enumeration	ISNI
	enumeration	ROR
	enumeration	Other
Used by	Element fundingReference/funderID	

Source	<pre> <xs:attribute name="funderIDType" default="ROR"> <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>
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Attribute fundingReference / funderID / @funderIDSchema

Namespace	No namespace
Annotations	Records the schema that defines funderIDType
Type	xs:anyURI
Properties	default: https://ror.org/
Used by	Element fundingReference/funderID
Source	<pre> <xs:attribute name="funderIDSchema" type="xs:anyURI" default="https://ror.org/"> <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 fundingReference / @federalFunder

Namespace	No namespace
Annotations	Whether the funder is part of the U.S. federal government (default false) If true, then the federallyFunded attribute for funded should also be true
Type	xs:boolean
Properties	default: false
Used by	Element fundingReference
Source	<pre> <xs:attribute name="federalFunder" type="xs:boolean" default="false"> <xs:annotation> <xs:documentation xml:lang="en">Whether the funder is part of the U.S. federal government (default false)</xs:documentation> <xs:documentation xml:lang="en">If true, then the federallyFunded attribute for funded should also be true</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-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	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/

		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 / @licenseIDSchema

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

Attribute license / @licenseIDSchemaURI

Namespace	No namespace
Annotations	Specifies the URI of the schema given by licenseIDSchema
Type	xs:anyURI
Properties	fixed: https://spdx.org/licenses/
Used by	Element license
Source	<pre><xs:attribute name="licenseIDSchemaURI" type="xs:anyURI" fixed="https://spdx.org/licenses/"> <xs:annotation> <xs:documentation xml:lang="en">Specifies the URI of the schema given by licenseIDSchema</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/dualD
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 Accepted	The date that the publisher accepted the resource into their system.
	enumeration Available	The date the resource is made publicly available. May be a range.

	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	Issued	The date that the resource is published or distributed, e.g., to a data centre.
	enumeration	Submitted	The date the creator submits the resource to the publisher. This could be different from Accepted if the publisher then applies a selection process.
	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	Withdrawn	The date the resource is removed.
	enumeration	Other	Other date that does not fit into an existing category.
Used by	Element	otherDate	
Source	<code><xss:attribute name="dateType" type="dateTypeType" use="required"/></code>		

Attribute otherDate / @dateInformation

Namespace	No namespace	
Annotations	More information about the value of otherDate (recommended if dateType is Other)	
Type	shortDescriptionLimitType	
Properties	use: optional	
Facets	minLength	1
	maxLength	60
Used by	Element otherDate	
Source	<code><xss:attribute name="dateInformation" type="shortDescriptionLimitType" use="optional"></code> <code> <xss:annotation></code> <code> <xss:documentation xml:lang="en">More information about the value of otherDate (recommended if dateType is Other)</xss:documentation></code> <code> </xss:annotation></code> <code></xss:attribute></code>	

Attribute projectDescription / departments / department / @departmentCode

Namespace	No namespace	
Annotations	Records the numerical code for the department (required)	
Type	departmentCodeType	
Properties	use: required	
Facets	pattern [0-9]{5}	
Used by	projectDescription/departments/department	
Source	<code><xss:attribute name="departmentCode" type="departmentCodeType" use="required"></code> <code> <xss:annotation></code> <code> <xss:documentation xml:lang="en">Records the numerical code for the department (required)</xss:documentation></code> <code> </xss:annotation></code> <code></xss:attribute></code>	

Attribute additionalProjectInformation / funded / @federallyFunded

Namespace	No namespace	
Annotations	Whether the resource is funded by the U.S. federal government (default false)	

	If true, then at least one fundingReference must have the federalFunder attribute set to true
Type	xs:boolean
Properties	default: false
Used by	Element additionalProjectInformation/funded
Source	<pre><xs:attribute name="federallyFunded" type="xs:boolean" default="false"> <xs:annotation> <xs:documentation xml:lang="en">Whether the resource is funded by the U.S. federal government (default false)</xs:documentation> <xs:documentation xml:lang="en">If true, then at least one fundingReference must have the federalFunder attribute set to true</xs:documentation> </xs:annotation> </xs:attribute></pre>

Attribute supplementalMetadata / keywords / keyword / @subjectSchema

Namespace	No namespace				
Annotations	The name of the subject schema or classification code or authority, if applicable				
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="subjectSchema" type="limitedTextType" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">The name of the subject schema or classification code or authority, if applicable</xs:documentation> </xs:annotation> </xs:attribute></pre>				

Attribute supplementalMetadata / keywords / keyword / @subjectSchemaURI

Namespace	No namespace
Annotations	The URI of the subject identifier schema, if applicable
Type	xs:anyURI
Properties	use: optional
Used by	Element supplementalMetadata/keywords/keyword
Source	<pre><xs:attribute name="subjectSchemaURI" type="xs:anyURI" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">The URI of the subject identifier schema, if applicable</xs:documentation> </xs:annotation> </xs:attribute></pre>

Attribute supplementalMetadata / keywords / keyword / @valueURI

Namespace	No namespace
Annotations	The URI of the subject term, if applicable
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, if applicable</xs:documentation> </xs:annotation> </xs:attribute></pre>

Attribute supplementalMetadata / keywords / keyword / @classificationCode

Namespace	No namespace
Annotations	The classification code used for the subject term in the subject schema, if applicable
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 schema, if applicable</xs:documentation> </xs:annotation> </xs:attribute></pre>	

Attribute supplementalMetadata / relations / relation / @relatedIDType

Namespace	No namespace	
Type	relatedIDTypeType	
Properties	default:	DOI
Facets	enumeration	ARK Archival Resource Key A URI designed to support long-term access to information objects.
	enumeration	arXiv arXiv identifier 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	CSTR Common Science and Technology Resources Identifier CSTR is an identifier based on the Chinese National Standard GB/T 32843-2016 "Science and technology resource identification", providing a unique identification service for scientific data, papers, scientific institutions, researchers, scientific instruments, patents and other scientific and technological resources.
	enumeration	DOI Digital Object Identifier 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. Use this type to reference TigerData projects
	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 Electronic International Standard Serial Number 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 International Generic Sample Number A code that uniquely identifies samples from our natural environment and related features-of-interest.
	enumeration	ISBN International Standard Book Number A unique numeric book identifier. There are 2 formats: a 10-digit ISBN format and a 13-digit ISBN.
	enumeration	ISSN International Standard Serial Number

		A unique 8-digit number used to identify a print or electronic periodical publication.
enumeration	ISTC	International Standard Text Code
		A unique "number" assigned to a textual work. An ISTC consists of 16 numbers and/or letters.
enumeration	LISSN	The linking ISSN or ISSN-L enables collocation or linking among different media versions of a continuing resource.
enumeration	LSID	Life Science Identifiers
		A unique identifier for data in the Life Science domain.
enumeration	PMID	PubMed identifier
		A unique number assigned to each PubMed record.
enumeration	PURL	Persistent Uniform Resource Locator
		A PURL has three parts: (1) a protocol, (2) a resolver address, and (3) a name.
enumeration	RRID	Research Resource IDentifier
		A character string used to uniquely identify key inputs to an experiment including the so-called "key biological resources" as defined by the National Institutes of Health, and related tools such as core facilities and databases. An RRID name is divided into two parts, the authority and a local identifier, separated by an underscore.
enumeration	UPC	Universal Product Code
		A barcode symbology used for tracking trade items in stores. Its most common form, the UPC-A, consists of 12 numerical digits.
enumeration	URL	Uniform Resource Locator
		Also known as web address, a URL is a specific character string that constitutes a reference to a resource.
enumeration	URN	Uniform Resource Name
		A unique and persistent identifier of an electronic document.
enumeration	w3id	Permanent identifier for Web applications
		Mostly used to publish vocabularies and ontologies. The letters 'w3' stand for "World Wide Web".
enumeration	MFAID	A Mediaflux Asset ID number
		Include the domain and namespace to make the ID as persistent as possible
		Use this type to reference TigerData items
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 parent-child relationships between TigerData projects, subprojects, or items
enumeration	HasPart	A includes the part B Do not use for formal parent-child 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	IsTranslationOf	A is a translation of B
enumeration	HasTranslation	A has a translation 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			<xs:attribute name="relationType" type="relationTypeType" use="required"/>

Attribute supplementalMetadata / relations / relation / @relatedMetadataSchema

Namespace	No namespace		
Annotations	The name of the related metadata schema, if applicable Use only with HasMetadata and IsMetadataFor relation types		
Type	limitedTextType		
Properties	use: optional		
Facets	minLength 1 maxLength 1000		
Used by	Element supplementalMetadata/relations/relation		
Source	<pre><xs:attribute name="relatedMetadataSchema" type="limitedTextType" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">The name of the related metadata schema, if applicable</ xs:documentation> <xs:documentation xml:lang="en">Use only with HasMetadata and IsMetadataFor relation types</ xs:documentation> </xs:annotation> </xs:attribute></pre>		

Attribute supplementalMetadata / relations / relation / @relatedMetadataSchemaURI

Namespace	No namespace		
Annotations	The URI of the related metadata schema, if applicable Use only with HasMetadata and IsMetadataFor relation types		
Type	xs:anyURI		
Properties	use: optional		
Used by	Element supplementalMetadata/relations/relation		
Source	<pre><xs:attribute name="relatedMetadataSchemaURI" type="xs:anyURI" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">The URI of the related metadata schema, if applicable</ xs:documentation> <xs:documentation xml:lang="en">Use only with HasMetadata and IsMetadataFor relation types</ xs:documentation> </xs:annotation> </xs:attribute></pre>		

Attribute supplementalMetadata / relations / relation / @relatedMetadataSchemaType

Namespace	No namespace		
Annotations	The type of the related metadata schema, if applicable (e.g. XSD, DDT, Turtle) Use only with HasMetadata and IsMetadataFor relation types		
Type	limitedTextType		
Properties	use: optional		
Facets	minLength 1 maxLength 1000		
Used by	Element supplementalMetadata/relations/relation		
Source	<pre><xs:attribute name="relatedMetadataSchemaType" type="limitedTextType" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">The type of the related metadata schema, if applicable (e.g. XSD, DDT, Turtle)</xs:documentation></pre>		

```
<xs:documentation xml:lang="en">Use only with HasMetadata and IsMetadataFor relation types</xs:documentation>
</xs:annotation>
</xs:attribute>
```

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 (required)	
Type	restriction of xs:string	
Properties	use: required	
Facets	enumeration	Project
		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 (required)</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 (required)	
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 (required)</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, each with its type and a brief description:</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 or Data Manager, a System Administrator, or a technical... <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> [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	<code><xs:group name="provenanceSubfields"></code>

```

<xs:annotation>
  <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 or Data Manager, 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: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="Revision" xml:lang="en">
      <xs:annotation>
        <xs:documentation xml:lang="en">Event note explains the return of the project
request to the submitter for revision</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>
</xs:sequence>
</xs:group>

```

Element Group projectRoles

Namespace	No namespace
Annotations	A group of all elements included in TigerData project roles Requires 1 Data Sponsor and 1 Data Manager; Data Users are optional and repeatable Does not apply to Items

Diagram	<pre> classDiagram class projectRoles { <<A group of all elements included in TigerData project roles<> <<Requires 1 Data Sponsor and 1 Data Manager; Data Users are optional and repeatable<> <<Does not apply to Items<> } class dataSponsor { <<The person who takes primary responsibility for the project<> <<Does not apply to Items<> } class dataManager { <<The person who manages the day-to-day activities for the project<> <<Does not apply to Items<> } class dataUsers { <<The container element for all data users of a resource<> <<May apply to either Projects or Items<> <<If this element is...>> } projectRoles --> dataSponsor projectRoles --> dataManager projectRoles --> dataUsers </pre>
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:documentation xml:lang="en">Requires 1 Data Sponsor and 1 Data Manager; Data Users are optional and repeatable</xss:documentation> <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	A group of all elements included in TigerData project descriptions Does not apply to Items
Diagram	<pre> classDiagram class projectDescription { <<A group of all elements included in TigerData project descriptions<> <<Does not apply to Items<> } class researchDomains { <<The container element for all research domains for a project<> <<If projectPurpose is Research, then at least one...>> } class departments { <<The container element for all departments for a project<> } class projectDirectory { <<The locally unique name for the project's directory<> <<The typical value is expected to be in NFS protocol<> <<A parent folder...>> } class title { <<Type Extension of 'titleType'>> <<A plain-language title for the resource<> <<May apply to either Projects or Items<> <<Restricted to fewer characters than the...>> } class description { <<Type Extension of 'textType'>> <<A plain-language description of the resource and/or its contents<> <<May apply to either Projects or Items<> } class languages { <<The container element for all languages for a resource<> <<May apply to either Projects or Items<> <<If this element is...>> } projectDescription --> researchDomains projectDescription --> departments projectDescription --> projectDirectory projectDescription --> title projectDescription --> description projectDescription --> languages </pre>
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> <xs:group name="projectDescription"> <xs:annotation> <xs:documentation xml:lang="en">A group of all elements included in TigerData project descriptions</xs:documentation> <xs:annotation xml:lang="en">Does not apply to Items</xs:annotation> </xs:annotation> <xs:sequence> <xs:element name="researchDomains" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The container element for all research domains for a project</xs:documentation> <xs:documentation xml:lang="en">If projectPurpose is Research, then at least one researchDomain element should be given</xs:documentation> <xs:documentation xml:lang="en">If this element is present, then it should contain at least one sub-element</xs:documentation> <xs:documentation xml:lang="en">No duplicate domains; no more than 4 total</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <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> </xs:sequence> <xs:attribute ref="discoverable" fixed="true"/> <xs:attribute ref="trackingLevel" fixed="ResourceRecord"/> </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 canonical name for each recorded department</xs:documentation> <xs:documentation xml:lang="en">Princeton department names typically start with a 2- or 3-character abbreviation, followed by a minus-dash, and then a short description</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="departmentType"> <xs:attribute name="departmentCode" type="departmentCodeType" use="required"> <xs:annotation> <xs:documentation xml:lang="en">Records the numerical code for the department (required)</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 directory</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:group></pre>

```

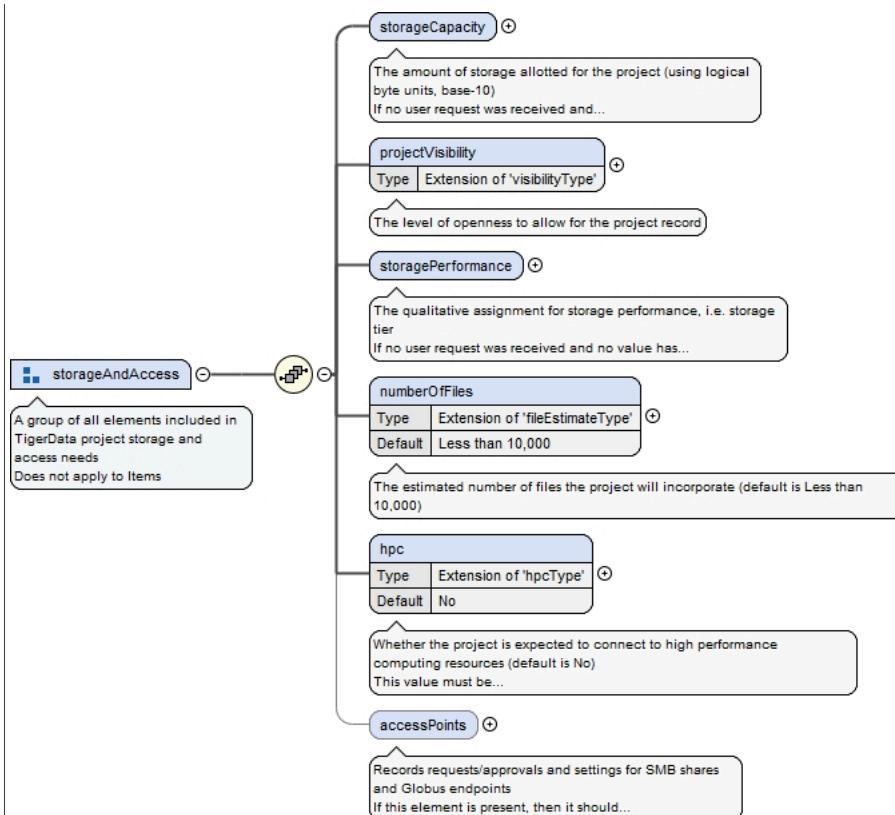
<xs:documentation xml:lang="en">The typical value is expected to be in NFS protocol</
xs:documentation>
<xs:documentation xml:lang="en">A parent folder is recommended to organize projects by
groups (e.g., lab or principal investigator)</xs:documentation>
<xs:documentation xml:lang="en">If no user request 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, using the protocol attribute</xs:documentation>
<xs:documentation xml:lang="en">Example NFS path: /tigerdata/parent-folder/project-
folder</xs:documentation>
<xs:documentation xml:lang="en">Example SMB path: \\tigerdata-smb\parent-folder
\project-folder</xs:documentation>
<xs:documentation xml:lang="en">Example S3 path: S3://princeton/tigerdata/parent-
folder/project-folder</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>
<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 , numberOffiles , hpc , accessPoints{0,1}
Children	accessPoints, hpc, numberOffiles, projectVisibility, storageCapacity, storagePerformance
Source	<pre> <xss:group name="storageAndAccess"> <xss:annotation> <xss:documentation xml:lang="en">A group of all elements included in TigerData project storage and access needs</xss:documentation> <xss:documentation xml:lang="en">Does not apply to Items</xss:documentation> </xss:annotation> <xss:sequence> <xss:element name="storageCapacity" minOccurs="1" maxOccurs="1"> <xss:annotation> <xss:documentation xml:lang="en">The amount of storage allotted for the project (using logical byte units, base-10)</xss:documentation> <xss:documentation xml:lang="en">If no user request was received and no value has yet been approved, then this field may be empty</xss:documentation> </xss:annotation> <xss:complexType> <xss:sequence> <xss:element name="storageCapacitySetting" type="storageQuantityType" minOccurs="0" maxOccurs="1"> <xss:annotation> <xss:documentation xml:lang="en">The current setting for storageCapacity (omitted until approved)</xss:documentation> <xss:documentation xml:lang="en">After the implementation of the approval, this value should be updated to match the approvedValue</xss:documentation> </xss:annotation> </xss:element> <xss:element name="requestedValue" type="storageQuantityType" minOccurs="0" maxOccurs="1"> <xss:annotation> <xss:documentation xml:lang="en">The requested value for storageCapacity (omitted if no user request was received)</xss:documentation> <xss:documentation xml:lang="en">This field gets updated when a Data Sponsor or Data Manager requests a change in storage capacity on an active project</xss:documentation> <xss:documentation xml:lang="en">Depending on the amount requested, a System Administrator may ask the Data Sponsor for more justification for the request</xss:documentation> </xss:annotation> </xss:element> <xss:element name="approvedValue" type="storageQuantityType" minOccurs="0" maxOccurs="1"> <xss:annotation> <xss:documentation xml:lang="en">The approved value for storageCapacity (omitted if no sys admin has approved yet)</xss:documentation> </xss:annotation> </xss:element> </xss:sequence> </xss:complexType> </xss:element> </xss:sequence> </xss:group> </pre>

```

<xs:documentation xml:lang="en">Once approved for initial project setup, the approved
attribute should also be set to true</xs:documentation>
<xs:documentation xml:lang="en">If the Data Sponsor or Data Manager requests a
change in storage capacity, then the approval of the new amount will change the approvedValue</
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">
<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 the implementation of the approval, this value
should be updated to match the approvedValue</xs:documentation>
</xs:annotation>
</xs:elements>
<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:documentation xml:lang="en">This field gets updated when a Data Sponsor or Data
Manager requests a change in storage performance on an active project</xs:documentation>
<xs:documentation xml:lang="en">Depending on the level requested, a System
Administrator may ask the Data Sponsor for more justification for the request</xs:documentation>
</xs:annotation>
</xs:elements>
<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:documentation xml:lang="en">If the Data Sponsor or Data Manager requests a
change in storage performance, then the approval of the new level will change the approvedValue</
xs:documentation>
</xs:annotation>
</xs:elements>
</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
(default is Less than 10,000)</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 (default is No)</xs:documentation>
    <xs:documentation xml:lang="en">This value must be Yes for a project to be mounted to any
    HPC cluster</xs:documentation>
    <xs:documentation xml:lang="en">If this value is No, then smbEnable is likely needed</
    xs:documentation>
    <xs:documentation xml:lang="en">If this value is Not Sure, then a System Administrator
    should follow up with the Data Sponsor to clarify needs</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:element name="accessPoints" minOccurs="0" maxOccurs="1">
  <xs:annotation>
    <xs:documentation xml:lang="en">Records requests/approvals and settings for SMB shares and
    Globus endpoints</xs:documentation>
    <xs:documentation xml:lang="en">If this element is present, then it should contain at least
    one sub-element</xs:documentation>
  </xs:annotation>
</xs:complexType>
<xs:sequence>
  <xs:element name="smbEnable" minOccurs="1" maxOccurs="1">
    <xs:annotation>
      <xs:documentation xml:lang="en">Whether a project has an SMB share enabled</
      xs:documentation>
      <xs:documentation xml:lang="en">By default, projects do not get an SMB share, but if
      the hpc value is No, then smbEnable is likely needed</xs:documentation>
      <xs:documentation xml:lang="en">If an SMB share is approved and set, then the SMB path
      should be included in projectDirectoryPath</xs:documentation>
    </xs:annotation>
    <xs:complexType>
      <xs:sequence>
        <xs:element name="smbEnableSetting" type="xs:boolean" maxOccurs="1" default="false">
          <xs:annotation>
            <xs:documentation xml:lang="en">The current setting for smbEnable (false by
            default)</xs:documentation>
          </xs:annotation>
        </xs:element>
        <xs:element name="requestedValue" type="xs:boolean" maxOccurs="1" default="false">
          <xs:annotation>
            <xs:documentation xml:lang="en">The requested value for smbEnable (false by
            default)</xs:documentation>
          </xs:annotation>
        </xs:element>
        <xs:element name="approvedValue" type="xs:boolean" maxOccurs="1" default="false">
          <xs:annotation>
            <xs:documentation xml:lang="en">The approved value for smbEnable (false by
            default)</xs:documentation>
          </xs:annotation>
        </xs:element>
        <xs:documentation xml:lang="en">If approvedValue is true, then smbEnableSetting
        and the approved attribute should also be set to true</xs:documentation>
      </xs:sequence>
      <xs:attribute ref="approved" default="false"/>
    </xs:complexType>
  </xs:element>
  <xs:element name="globusEnable" minOccurs="1" maxOccurs="1">
    <xs:annotation>
      <xs:documentation xml:lang="en">Whether a project has a Globus collection enabled</
      xs:documentation>
      <xs:documentation xml:lang="en">By default, projects do not get a Globus collection</
      xs:documentation>
      <xs:documentation xml:lang="en">If a Globus collection is approved and set, then the
      details should be given in globusCollection</xs:documentation>
    </xs:annotation>
  
```

```

<xs:complexType>
    <xs:sequence>
        <xs:element name="globusEnableSetting" type="xs:boolean" maxOccurs="1"
default="false">
            <xs:annotation>
                <xs:documentation xml:lang="en">The current setting for globusEnable (false by
default)</xs:documentation>
            </xs:annotation>
        </xs:element>
        <xs:element name="requestedValue" type="xs:boolean" maxOccurs="1" default="false">
            <xs:annotation>
                <xs:documentation xml:lang="en">The requested value for globusEnable (false by
default)</xs:documentation>
            </xs:annotation>
        </xs:element>
        <xs:element name="approvedValue" type="xs:boolean" maxOccurs="1" default="false">
            <xs:annotation>
                <xs:documentation xml:lang="en">The approved value for globusEnable (false by
default)</xs:documentation>
            <xs:annotation>
                <xs:documentation xml:lang="en">If approvedValue is true, then
globusEnableSetting and the approved attribute should also be set to true</xs:documentation>
            </xs:annotation>
        </xs:element>
        <xs:sequence>
            <xs:attribute ref="approved" default="false"/>
        </xs:sequence>
    </xs:element>
    <xs:element name="globusCollection" minOccurs="0" maxOccurs="100">
        <xs:annotation>
            <xs:documentation xml:lang="en">Details for an enabled Globus collection for the
project</xs:documentation>
            <xs:documentation xml:lang="en">If globusEnableSetting is true, then at least one
globusCollection value set should be given</xs:documentation>
            <xs:documentation xml:lang="en">If no Globus collection is approved, then this field
should be omitted</xs:documentation>
        </xs:annotation>
        <xs:complexType>
            <xs:sequence>
                <xs:element name="globusName" type="textType" minOccurs="1" maxOccurs="1">
                    <xs:annotation>
                        <xs:documentation xml:lang="en">The Globus collection name (required)</
xs:documentation>
                    <xs:documentation xml:lang="en">The naming convention is "Princeton TigerData -
parent-folder/project-folder"</xs:documentation>
                </xs:annotation>
            </xs:element>
            <xs:element name="globusUUID" type="uuidType" minOccurs="1" maxOccurs="1">
                <xs:annotation>
                    <xs:documentation xml:lang="en">The Globus collection universally unique
identifier (required)</xs:documentation>
                    <xs:documentation xml:lang="en">The value is expected to be 32 hexadecimal
digits in 8-4-4-4-12 format</xs:documentation>
                </xs:annotation>
            </xs:element>
            <xs:element name="globusOwner" type="userType" minOccurs="1" maxOccurs="1">
                <xs:annotation>
                    <xs:documentation xml:lang="en">The Globus collection owner, given as a
TigerData userType (required)</xs:documentation>
                    <xs:documentation xml:lang="en">The owner is typically the project's Data
Manager</xs:documentation>
                </xs:annotation>
            </xs:element>
            <xs:element name="globusURL" type="xs:anyURI" minOccurs="0" maxOccurs="1">
                <xs:annotation>
                    <xs:documentation xml:lang="en">The Globus collection URL (optional)</
xs:documentation>
                    <xs:documentation xml:lang="en">The expected format for a Globus collection URL
is https://app.globus.org/file-manager?origin_id=[uuid]</xs:documentation>
                </xs:annotation>
            </xs:element>
        </xs:sequence>
        <xs:complexType>
            <xs:elements>
            </xs:elements>
        </xs:complexType>
        <xs:attribute ref="inherited" fixed="false"/>
        <xs:attribute ref="discoverable" fixed="false"/>
        <xs:attribute ref="trackingLevel" fixed="InternalUseOnly"/>
    </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	<pre> graph LR APG[additionalProjectInformation] --- projectPurpose APG --- provisionalProject APG --- funded APG --- fundingReferences APG --- projectDates APG --- projectResourceType APG --- licenses APG --- dataUseAgreement APG --- duaReferences </pre> <p>The diagram illustrates the structure of the <code>additionalProjectInformation</code> element group. It consists of a central box labeled <code>additionalProjectInformation</code> which is connected to several child elements: <code>projectPurpose</code>, <code>provisionalProject</code>, <code>funded</code>, <code>fundingReferences</code>, <code>projectDates</code>, <code>projectResourceType</code>, <code>licenses</code>, <code>dataUseAgreement</code>, and <code>duaReferences</code>. Each child element is represented by a box with its name, type, and a detailed description of its purpose and usage.</p>
Used by	Element Group projectFields
Model	<code>projectPurpose</code> , <code>provisionalProject</code> , <code>funded{0,1}</code> , <code>fundingReferences{0,1}</code> , <code>projectDates{0,1}</code> , <code>projectResourceType</code> , <code>licenses{0,1}</code> , <code>dataUseAgreement{0,1}</code> , <code>duaReferences{0,1}</code>
Children	<code>dataUseAgreement</code> , <code>duaReferences</code> , <code>funded</code> , <code>fundingReferences</code> , <code>licenses</code> , <code>projectDates</code> , <code>projectPurpose</code> , <code>projectResourceType</code> , <code>provisionalProject</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"> <xs:annotation> <xs:documentation xml:lang="en">The high-level category for the purpose of the project</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:group> </pre>

```

<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:element name="provisionalProject" minOccurs="1" maxOccurs="1" default="false">
  <xs:annotation>
    <xs:documentation xml:lang="en">Whether the project is provisional, i.e., temporary, experimental, or intended for testing purposes only (default false)</xs:documentation>
    <xs:documentation xml:lang="en">If the value is true, then limitations may be placed on other fields, e.g. storageCapacity, storagePerformance, and endDate</xs:documentation>
    <xs:documentation xml:lang="en">If the value is false, then the project is considered standard and the provisional limitations are not imposed</xs:documentation>
    <xs:documentation xml:lang="en">Whether provisional or standard, the same fields are required for all projects</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="funded" minOccurs="0" maxOccurs="1">
  <xs:annotation>
    <xs:documentation xml:lang="en">Whether a resource is 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 name="federallyFunded" type="xs:boolean" default="false">
        <xs:annotation>
          <xs:documentation xml:lang="en">Whether the resource is funded by the U.S. federal government (default false)</xs:documentation>
          <xs:documentation xml:lang="en">If true, then at least one fundingReference must have the federalFunder attribute set to true</xs:documentation>
        </xs:annotation>
      </xs:attribute>
      <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="projectDates" minOccurs="0" maxOccurs="1"/>
<xs:element ref="projectResourceType" minOccurs="1" 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> graph LR A["A group of all elements included in TigerData supplemental metadata fields May apply to either Projects and Items"] --- B["supplementalMetadata"] B --- C["keywords"] B --- D["relations"] B --- E["extendedMetadataSchemas"] </pre> <p>The diagram illustrates the structure of the <code>supplementalMetadata</code> element group. It consists of a main container labeled <code>supplementalMetadata</code> which contains three sub-elements: <code>keywords</code>, <code>relations</code>, and <code>extendedMetadataSchemas</code>. Each sub-element is represented by a rounded rectangle with a small circular icon containing a plus sign to its right, indicating they are optional.</p>
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:annotation xml:lang="en">May apply to either Projects and Items</xs:annotation> </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:documentation xml:lang="en">If this element is present, then it should contain at least one sub-element</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="keyword" minOccurs="1" maxOccurs="100"> <xs:annotation> <xs:documentation xml:lang="en">Tag for a subject heading, content type, or other keyword (given as a string)</xs:documentation> <xs:documentation xml:lang="en">May apply to either Projects and Items</xs:documentation> <xs:documentation xml:lang="en">Derived from the DataCite definitions for Subject (v4.6+)</xs:documentation> <xs:documentation>https://datacite-metadata-schema.readthedocs.io/en/4.6/properties/subject/</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="shortDescriptionType"> <xs:attribute name="subjectSchema" type="limitedTextType" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">The name of the subject schema or classification code or authority, if applicable</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute name="subjectSchemaURI" type="xs:anyURI" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">The URI of the subject identifier schema, if applicable</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, if applicable</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute name="classificationCode" type="limitedTextType" use="optional"> <xs:annotation> </pre>

```

        <xs:annotation>
            <xs:documentation xml:lang="en">The classification code used for the subject
term in the subject schema, if applicable</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="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:documentation xml:lang="en">If this element is present, then it should contain at least
one sub-element</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, given as a string</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
RelatedIdentifier (v4.6+)</xs:documentation>
                    <xs:documentation>https://datacite-metadata-schema.readthedocs.io/en/4.6/properties/relatedidentifier/</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="relatedMetadataSchema" type="limitedTextType" use="optional" />
                            <xs:annotation>
                                <xs:documentation xml:lang="en">The name of the related metadata schema, if
applicable</xs:documentation>
                                <xs:documentation xml:lang="en">Use only with HasMetadata and IsMetadataFor
relation types</xs:documentation>
                            </xs:annotation>
                            </xs:attribute>
                            <xs:attribute name="relatedMetadataSchemaURI" type="xs:anyURI" use="optional" />
                            <xs:annotation>
                                <xs:documentation xml:lang="en">The URI of the related metadata schema, if
applicable</xs:documentation>
                                <xs:documentation xml:lang="en">Use only with HasMetadata and IsMetadataFor
relation types</xs:documentation>
                            </xs:annotation>
                            </xs:attribute>
                            <xs:attribute name="relatedMetadataSchemaType" type="limitedTextType"
use="optional" />
                            <xs:annotation>
                                <xs:documentation xml:lang="en">The type of the related metadata schema, if
applicable (e.g. XSD, DDT, Turtle)</xs:documentation>
                                <xs:documentation xml:lang="en">Use only with HasMetadata and IsMetadataFor
relation types</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>
<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, if applicable</xs:documentation>
        <xs:documentation xml:lang="en">May apply to either Projects or Items</xs:documentation>
    </xs:annotation>

```

```

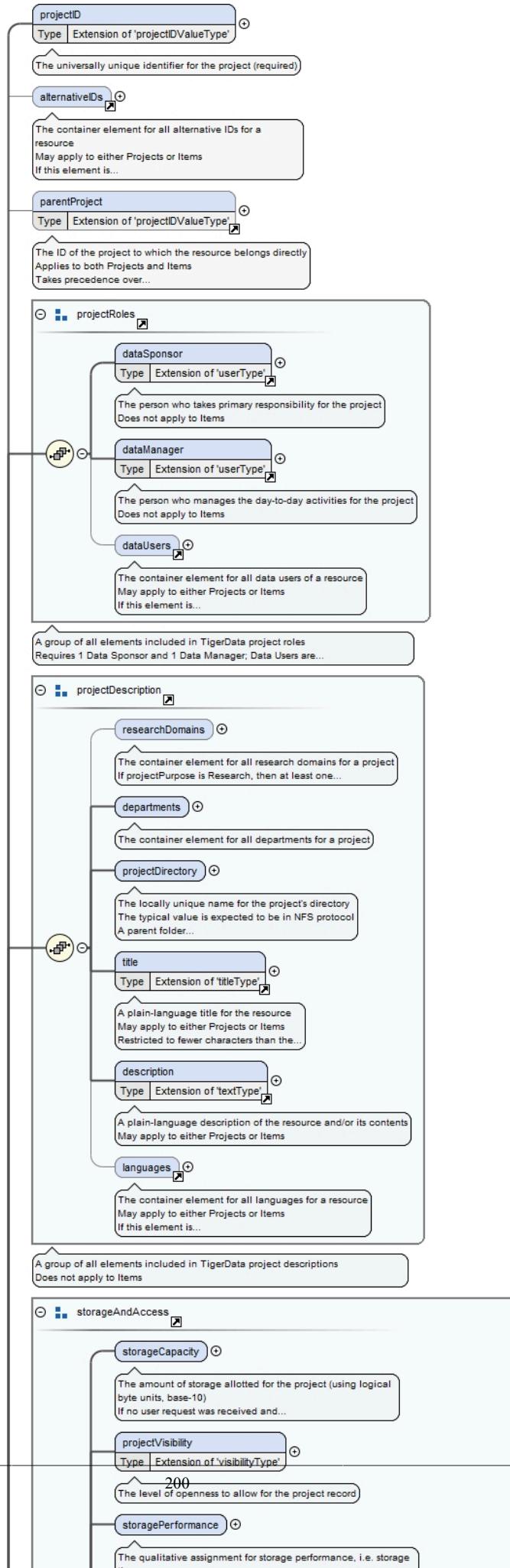
<xs:documentation xml:lang="en">If this element is present, then it should contain at least
one sub-element</xs:documentation>
</xs:annotation>
<xs:complexType>
<xs:sequence>
<xs:element name="extendedMetadataSchema" minOccurs="1" maxOccurs="100">
<xs:annotation>
<xs:documentation xml:lang="en">An indication of which TigerData supported metadata
schemas should apply to a resource (given as a string)</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>
</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
Model	resource 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 , accessPoints{0,1} , projectPurpose , provisionalProject , funded{0,1} , fundingReferences{0,1} , projectDates{0,1} , projectResourceType , licenses{0,1} , dataUseAgreement{0,1} , duaReferences{0,1} , keywords{0,1} , relations{0,1} , extendedMetadataSchemas{0,1} , projectProvenance
Children	accessPoints, alternativeIDs, dataManager, dataSponsor, dataUseAgreement, dataUsers, departments, description, duaReferences, extendedMetadataSchemas, funded, fundingReferences, hpc, keywords, languages, licenses, numberOfFiles, parentProject, projectDates, projectDirectory, projectID, projectProvenance, projectPurpose, projectResourceType, projectVisibility, provisionalProject, relations, researchDomains, 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 (required)</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 (required)</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 (required)</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, if applicable</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>

```

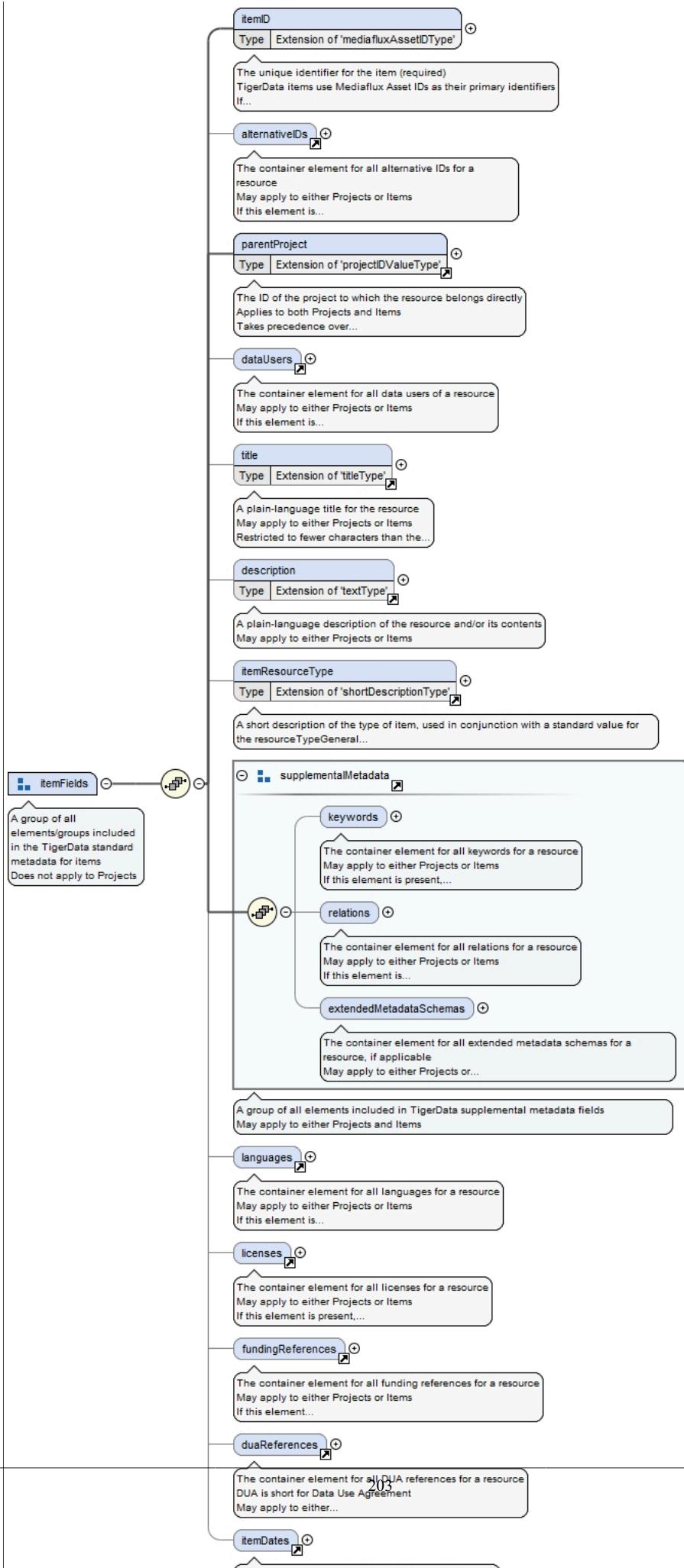
</xs:element>
<xs:element name="retirement" minOccurs="0" maxOccurs="1">
    <xs:annotation>
        <xs:documentation xml:lang="en">A record of a project's retirement, if applicable</
    xs:documentation>
    </xs:annotation>
    <xs:complexType>
        <xs:group ref="provenanceSubfields"/>
        <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, if applicable</
    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="AdminReview">
    <xs:annotation>
        <xs:documentation xml:lang="en">The current status of the project (required)</
    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 (required)</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} , itemResourceType{0,1} , keywords{0,1} , relations{0,1} , extendedMetadataSchemas{0,1} , languages{0,1} , licenses{0,1} , fundingReferences{0,1} , duaReferences{0,1} , itemDates{0,1}	
Children	alternativeIDs, dataUsers, description, duaReferences, extendedMetadataSchemas, fundingReferences, itemDates, itemID, itemResourceType, keywords, languages, parentProject, relations, 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 (required)</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="itemResourceType" 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="itemDates" minOccurs="0" maxOccurs="1"/> </xs:sequence> </xs:group></pre>

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

Schema(s)

Imported schema `xml1.xsd`

Namespace	http://www.w3.org/XML/1998/namespace
Annotations	<pre> <div> <h1>About the XML namespace</h1> <div class="bodytext"> <p>This schema document describes the XML namespace, in a form suitable for import by other schema documents.</p> <p>See http://www.w3.org/XML/1998/ namespace.htmland http://www.w3.org/TR/REC-xmlfor information about this namespace.</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 names currently defined in this namespace are listed below. They should not be used with conflicting semantics by any Working Group, specification, or document instance.</p> <p>See further below in this document for more information about how to refer to this schema document from your own XSD schema documentsand about </pre>

```

        <a href="#nsversioning">the namespace-versioning policy governing this schema document</a>.</p>
    </div>
    </div>

    <div>
        <h3>Father (in any context at all)</h3>
        <div class="bodytext">
            <p>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>
            <blockquote>
                <p>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".</p>
            </blockquote>
        </div>
    </div>

    <div id="usage" id="usage">
        <h2>
            <a name="usage">About this schema document</a>
        </h2>
        <div class="bodytext">
            <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>or</p>
            <pre><import namespace="http://www.w3.org/XML/1998/namespace" schemaLocation="http://
www.w3.org/2009/01/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>
        </div>
    </div>

    <div id="nsversioning" xml:id="nsversioning">
        <h2>
            <a name="nsversioning">Versioning policy for this schema document</a>
        </h2>
        <div class="bodytext">
            <p>In keeping with the XML Schema WG's standard versioning policy, this schema document will persist at
                <a href="http://www.w3.org/2009/01/xml.xsd">http://www.w3.org/2009/01/xml.xsd</a>.</p>
            <p>At the date of issue it can also be found at
                <a href="http://www.w3.org/2001/xml.xsd">http://www.w3.org/2001/xml.xsd</a>.</p>
            <p>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
                <a href="http://www.w3.org/2001/xml.xsd">http://www.w3.org/2001/xml.xsd</a>will change accordingly; the version at
                <a href="http://www.w3.org/2009/01/xml.xsd">http://www.w3.org/2009/01/xml.xsd</a>will not change.</p>
            <p>Previous dated (and unchanging) versions of this schema document are at:</p>
            <ul>
                <li>
                    <a href="http://www.w3.org/2009/01/xml.xsd">http://www.w3.org/2009/01/xml.xsd</a>
                </li>
                <li>
                    <a href="http://www.w3.org/2007/08/xml.xsd">http://www.w3.org/2007/08/xml.xsd</a>
                </li>
                <li>
                    <a href="http://www.w3.org/2004/10/xml.xsd">http://www.w3.org/2004/10/xml.xsd</a>
                </li>
                <li>
                    <a href="http://www.w3.org/2001/03/xml.xsd">http://www.w3.org/2001/03/xml.xsd</a>
                </li>
            </ul>
        </div>
    </div>

```

Properties	attribute form default: unqualified
	element form default: unqualified

Attribute(s)

Attribute @xml:lang

Namespace	http://www.w3.org/XML/1998/namespace	
Annotations	<pre> <div> <h3>lang (as an attribute name)</h3> <p>denotes an attribute whose value is a language code for the natural language of the content of any element; its value is inherited. This name is reserved by virtue of its definition in the XML specification.</p> </div> <div> <h4>Notes</h4> <p>Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility.</p> <p>See BCP 47 at http://www.rfc-editor.org/rfc/bcp/bcp47.txtand the IANA language subtag registry at http://www.iana.org/assignments/language-subtag-registryfor further information.</p> <p>The union allows for the 'un-declaration' of xml:lang with the empty string.</p> </div> </pre>	
Type	union of(xs:language, restriction of xs:string)	
Properties	content: simple	
Used by	Complex Types shortDescriptionType, textType, titleType Attribute Group xml:specialAttrs	
Source	<pre> <xs:attribute name="lang"> <xs:annotation> <xs:documentation> <div> <h3>lang (as an attribute name)</h3> <p>denotes an attribute whose value is a language code for the natural language of the content of any element; its value is inherited. This name is reserved by virtue of its definition in the XML specification.</p> </div> <div> <h4>Notes</h4> <p>Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility.</p> <p>See BCP 47 at http://www.rfc-editor.org/rfc/bcp/bcp47.txtand the IANA language subtag registry at http://www.iana.org/assignments/language-subtag-registryfor further information.</p> <p>The union allows for the 'un-declaration' of xml:lang with the empty string.</p> </div> </xs:documentation> </xs:annotation> <xs:simpleType> <xs:union memberTypes="xs:language"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="" /> </xs:restriction> </xs:simpleType> </xs:union> </xs:simpleType> </xs:attribute> </pre>	

Attribute @xml:space

Namespace	http://www.w3.org/XML/1998/namespace	
Annotations	<pre> <div> <h3>space (as an attribute name)</h3> <p>denotes an attribute whose value is a keyword indicating what whitespace processing discipline is intended for the content of the element; its value is inherited. This name is reserved by virtue of its definition in the XML specification.</p> </div> </pre>	
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:annotation> <xs:documentation> <div> <h3>space (as an attribute name)</h3> <p>denotes an attribute whose value is a keyword indicating what whitespace processing discipline is intended for the content of the element; its value is inherited. This name is reserved by virtue of its definition in the XML specification.</p> </div> </xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:NCName"> <xs:enumeration value="default"/> <xs:enumeration value="preserve"/> </xs:restriction> </xs:simpleType> </xs:attribute></pre>	

Attribute @xml:base

Namespace	http://www.w3.org/XML/1998/namespace	
Annotations	<pre> <div> <h3>base (as an attribute name)</h3> <p>denotes an attribute whose value provides a URI to be used as the base for interpreting any relative URIs in the scope of the element on which it appears; its value is inherited. This name is reserved by virtue of its definition in the XML Base specification.</p> <p>See http://www.w3.org/TR/xmlbase/for information about this attribute.</p> </div></pre>	
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> <div> <h3>base (as an attribute name)</h3> <p>denotes an attribute whose value provides a URI to be used as the base for interpreting any relative URIs in the scope of the element on which it appears; its value is inherited. This name is reserved by virtue of its definition in the XML Base specification.</p> <p>See http://www.w3.org/TR/xmlbase/for information about this attribute.</p> </div> </xs:documentation> </xs:annotation> </xs:attribute></pre>	

Attribute @xml:id

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

```

<h3>id (as an attribute name)</h3>
<p>denotes an attribute whose value should be interpreted as if declared to be of type ID.
This name is reserved by virtue of its definition in the xml:id specification.</p>
<p>See
<a href="http://www.w3.org/TR/xml-id/">http://www.w3.org/TR/xml-id/</a>for information
about this attribute.</p>
</div>
</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:specialAttrs] --> B[@xmlbase] A --> C[@xml:id] A --> D[@xml:lang] A --> E[@xml:space] </pre> <p>The diagram illustrates the structure of the <code>xml:specialAttrs</code> attribute group. It consists of four attributes: <code>@xmlbase</code>, <code>@xml:id</code>, <code>@xml:lang</code>, and <code>@xml:space</code>. Each attribute is represented by a yellow rounded rectangle with a plus sign (+) in the top right corner. A curved arrow points from the <code>xml:specialAttrs</code> box to each individual attribute box. Each attribute box contains a tooltip with a detailed description of its purpose.</p>		
Attributes	QName	Type	Use
	<code>xml:base</code>	<code>xs:anyURI</code>	optional
		<pre> <div> <h3>base (as an attribute name)</h3> <p>denotes an attribute whose value provides a URI to be used as the base for interpreting any relative URIs in the scope of the element on which it appears; its value is inherited. This name is reserved by virtue of its definition in the XML Base specification.</p> <p>See http://www.w3.org/TR/ xmlbase/for information about this attribute.</p> </div> </pre>	
	<code>xml:id</code>	<code>xs:ID</code>	optional
		<pre> <div> <h3>id (as an attribute name)</h3> <p>denotes an attribute whose value should be interpreted as if declared to be of type ID. This name is reserved by virtue of its definition in the xml:id specification.</p> <p>See http://www.w3.org/TR/xml-id/for information about this attribute.</p> </div> </pre>	
	<code>xml:lang</code>	union of(<code>xs:language</code> , restriction of <code>xs:string</code>)	optional
		<pre> <div> <h3>lang (as an attribute name)</h3> <p>denotes an attribute whose value is a language code for the natural language of the content of any element; its value is inherited. This name is reserved by virtue of its definition in the XML specification.</p> </div> <div> <h4>Notes</h4> <p>Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility.</p> <p>See BCP 47 at http://www.rfc- editor.org/rfc/bcp/bcp47.txtand the IANA language subtag registry at </div> </pre>	

QName	Type	Use	
	<pre> http://www.iana.org/assignments/language-subtag-registryfor further information.</p> <p>The union allows for the 'un-declaration' of xml:lang with the empty string.</p> </div> </pre>		
xml:space	restriction of xs:NCName	optional	
<pre> <div> <h3>space (as an attribute name)</h3> <p>denotes an attribute whose value is a keyword indicating what whitespace processing discipline is intended for the content of the element; its value is inherited. This name is reserved by virtue of its definition in the XML specification.</p> </div> </pre>			
Source	<pre> <xss:attributeGroup name="specialAttrs"> <xss:attribute ref="xml:base"/> <xss:attribute ref="xml:lang"/> <xss:attribute ref="xml:space"/> <xss:attribute ref="xml:id"/> </xss:attributeGroup> </pre>		