

Schema documentation for TigerData_StandardMetadataSchema_v0.8.xsd

march 28, 2025

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Namespace: ""

Schema(s)

Main schema TigerData_StandardMetadataSchema_v0.8.xsd

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

Element(s)

Element userType / netID

Namespace	No namespace
Annotations	The University NetID (also called the OIT NetID) is the name or user-id that identifies a person to a computer system or electronic service at Princeton.
Diagram	<pre> classDiagram class netID { <<The University NetID (also called the OIT NetID) is the name or user-id that identifies a person to a computer system...>> <<Built-in primitive type. The string datatype represents character strings in XML.>> } class xs:string netID "1" -- "0" xs:string </pre>
Type	xs:string
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	<pre> <xss:element name="netID" type="xs:string" minOccurs="0" maxOccurs="1"> <xss:annotation> <xss:documentation xml:lang="en">The University NetID (also called the OIT NetID) is the name or user-id that identifies a person to a computer system or electronic service at Princeton.</xss:documentation> </xss:annotation> </xss:element> </pre>

Element userType / orcid

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

```
</xs:annotation>
</xs:elements>
```

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	<p>The full name of the person in a given role, verified in the format family-comma-given and matching the corresponding...</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>						
Type	xs:string						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<pre><xs:element name="fullName" type="xs:string" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The full name of the person in a given role, verified in the format family-comma-given and matching the corresponding given and family name fields, if available.</xs:documentation> </xs:annotation> </xs:element></pre>						

Element userType / givenName

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

Element userType / familyName

Namespace	No namespace
Annotations	The family name(s) of the person in a given role. If the person has multiple family names, then all should be included in this field.
Diagram	<p>The family name(s) of the person in a given role. If the person has multiple family names, then all should be included...</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>

Type	xs:string
Properties	<p>content: simple</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>
Source	<pre><xs:element name="familyName" type="xs:string" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The family name(s) of the person in a given role. If the person has multiple family names, then all should be included in this field.</xs:documentation> </xs:annotation> </xs:element></pre>

Element userType / nameDate

Namespace	No namespace
Annotations	The date at which the name metadata was recorded.
Diagram	<pre> classDiagram class nameDate { <<Type>> <<dateOrRangeType>> } class dateOrRangeType { <<Standard type used for values that may be either dates or date ranges>> <<Applies a pattern aligned with...>> } nameDate "0..1" -- "1..1" dateOrRangeType dateOrRangeType "0..1" -- "1..1" <<The date at which the name metadata was recorded.>> </pre>
Type	dateOrRangeType
Properties	<p>content: simple</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>
Facets	<p>pattern</p> <pre>\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]))?</pre>
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 { <<Extension of 'xs:string'>> } class xsString { <<Built-in primitive type. The string datatype represents character strings in XML.>> } alternativeNameIdentifier "0..1" -- "1..1" xsString xsString "0..1" -- "1..1" <<Records alternative (non-ORCID) identifier(s) for the person in a given role.>> class Attributes { @ nameIdentifierScheme Type xsString <<The name of the scheme to which the name identifier belongs (required when an alternative name identifier is given).>> } class Attributes { @ schemeURI Type xs:anyURI <<The URI of the scheme to which the name identifier belongs (required when an alternative name identifier is given).>> } </pre>
Type	extension of xs:string
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: 100</p>

Attributes	QName	Type	Use
	nameIdentifierScheme	xs:string	required
	The name of the scheme to which the name identifier belongs (required when an alternative name identifier is given).		
	schemeURI	xs:anyURI	required
	The URI of the scheme to which the name identifier belongs (required when an alternative name identifier is given).		
Source	<pre><xs:element name="alternativeNameIdentifier" minOccurs="0" maxOccurs="100"> <xs:annotation> <xs:documentation xml:lang="en">Records alternative (non-ORCID) identifier(s) for the person in a given role.</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="nameIdentifierScheme" type="xs:string" use="required"> <xs:annotation> <xs:documentation xml:lang="en">The name of the scheme to which the name identifier belongs (required when an alternative name identifier is given).</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute name="schemeURI" type="xs:anyURI" use="required"> <xs:annotation> <xs:documentation xml:lang="en">The URI of the scheme to which the name identifier belongs (required when an alternative name identifier is given).</xs:documentation> </xs:annotation> </xs:attribute> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element></pre>		

Element quantityType / size

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

Element quantityType / unit

Namespace	No namespace
Annotations	The standardized unit of measure for the quantity
Diagram	<pre> classDiagram class unit { <<unit>> <<Type xs:string>> } unit o--> xs:string <<The standardized unit of measure for the quantity
> <<Built-in primitive type. The string datatype represents character strings in XML.>> </pre>

Type	xs:string
Properties	<p>content: simple</p> <p>minOccurs: 1</p> <p>maxOccurs: 1</p>
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: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 size { Type xs:decimal } class xsDecimal { <<Built-in primitive type. The decimal datatype represents arbitrary precision decimal numbers.>> } size o--> xsDecimal </pre>
Type	xs:decimal
Properties	<p>content: simple</p> <p>minOccurs: 1</p> <p>maxOccurs: 1</p>
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	<pre> classDiagram class unit { Type byteUnitType } class byteUnitType { <<Standard type that defines the controlled vocabulary for byte units in storageQuantityType. All byte units are base-10....>> } unit o--> byteUnitType </pre>																		
Type	byteUnitType																		
Properties	<p>content: simple</p> <p>minOccurs: 1</p> <p>maxOccurs: 1</p>																		
Facets	<table> <tr> <td>enumeration</td> <td>B</td> <td>Bytes (B)</td> </tr> <tr> <td>enumeration</td> <td>KB</td> <td>Kilobytes (KB)</td> </tr> <tr> <td>enumeration</td> <td>MB</td> <td>Megabytes (MB)</td> </tr> <tr> <td>enumeration</td> <td>GB</td> <td>Gigabytes (GB)</td> </tr> <tr> <td>enumeration</td> <td>TB</td> <td>Terabytes (TB)</td> </tr> <tr> <td>enumeration</td> <td>PB</td> <td>Petabytes (PB)</td> </tr> </table>	enumeration	B	Bytes (B)	enumeration	KB	Kilobytes (KB)	enumeration	MB	Megabytes (MB)	enumeration	GB	Gigabytes (GB)	enumeration	TB	Terabytes (TB)	enumeration	PB	Petabytes (PB)
enumeration	B	Bytes (B)																	
enumeration	KB	Kilobytes (KB)																	
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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>																		

```
</xs:annotation>
</xs:elements>
```

Element alternativeID

Namespace	No namespace																				
Annotations	<p>An alternative identifier for the resource (not the standard TigerData projectID or itemID), given as a string</p> <p>May apply to either Projects or Items</p> <p>Modeled after the DataCite definition for RelatedIdentifier (v4.6+)</p>																				
Diagram	<pre> classDiagram class alternativeID { <<Extension of limitedTextType>> <<An alternative identifier for the resource (not the standard TigerData projectID or itemID), given as a string<>> <<May...>> <<Specification for the practical limit for text values within textType>> <<A simple description of the alternative ID type (e.g. "Local accession number")>> <<Standard attribute to specify whether a given field's value should be inherited by any child resources Inheritance is...>> } class limitedTextType class alternativeIDType { <<Type limitedTextType>> <<@ alternativeIDType>> <<@ inherited>> <<Type xs:boolean>> <<Default false>> } alternativeID < -- limitedTextType alternativeID < -- alternativeIDType alternativeID < -- inherited </pre>																				
Type	extension of limitedTextType																				
Type hierarchy	<ul style="list-style-type: none"> xs:string limitedTextType 																				
Properties	content: complex																				
Used by	Element alternativeIDs																				
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>alternativeIDType</td> <td>limitedTextType</td> <td></td> <td>required</td> </tr> <tr> <td></td> <td colspan="3">A simple description of the alternative ID type (e.g. "Local accession number")</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> </tbody> </table>	QName	Type	Default	Use	alternativeIDType	limitedTextType		required		A simple description of the alternative ID type (e.g. "Local accession number")			inherited	xs:boolean	false	optional		Standard attribute to specify whether a given field's value should be inherited by 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																		
alternativeIDType	limitedTextType		required																		
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	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>																				

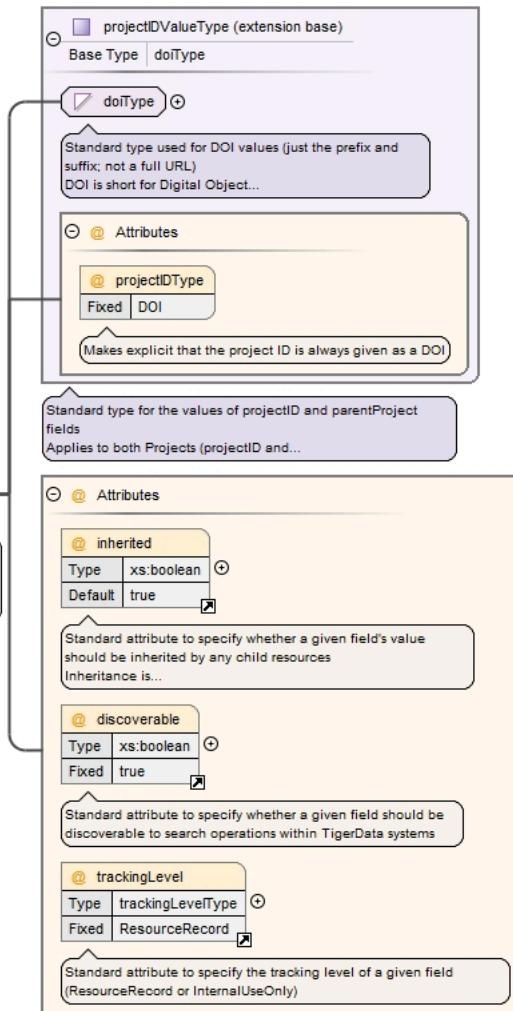
Element alternativeIDs

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 @trackingLevel 1..100 alternativeID } class discoverable { Type xs:boolean Default true } class trackingLevel { Type trackingLevelType Fixed ResourceRecord } class alternativeID { Type Extension of 'limitedTextType' } </pre>																													
Properties	content: complex																													
Used by	Element Groups itemFields, projectFields																													
Model	alternativeID{1,100}																													
Children	alternativeID																													
Instance	<pre> <alternativeIDs discoverable="true" trackingLevel="ResourceRecord"> <alternativeID alternativeIDType="" inherited="false">{1,100}</alternativeID> </alternativeIDs> </pre>																													
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>discoverable</td><td>xs:boolean</td><td></td><td>true</td><td>optional</td></tr> <tr> <td></td><td colspan="4">Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems</td></tr> <tr> <td>trackingLevel</td><td>trackingLevelType</td><td>ResourceRecord</td><td></td><td>optional</td></tr> <tr> <td></td><td colspan="4">Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)</td></tr> </tbody> </table>					QName	Type	Fixed	Default	Use	discoverable	xs:boolean		true	optional		Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems				trackingLevel	trackingLevelType	ResourceRecord		optional		Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)			
QName	Type	Fixed	Default	Use																										
discoverable	xs:boolean		true	optional																										
	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="alternativeIDs"> <xsd:annotation> <xsd:documentation xml:lang="en">The container element for all alternative IDs for a resource</xsd:documentation> <xsd:documentation xml:lang="en">May apply to either Projects or Items</xsd:documentation> <xsd:documentation xml:lang="en">If this element is present, then it should contain at least one sub-element</xsd:documentation> </xsd:annotation> <xsd:complexType> <xsd:sequence> <xsd:element ref="alternativeID" minOccurs="1" maxOccurs="100"/> </xsd:sequence> <xsd:attribute ref="discoverable" default="true"/> <xsd:attribute ref="trackingLevel" fixed="ResourceRecord"/> </xsd:complexType> </xsd: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



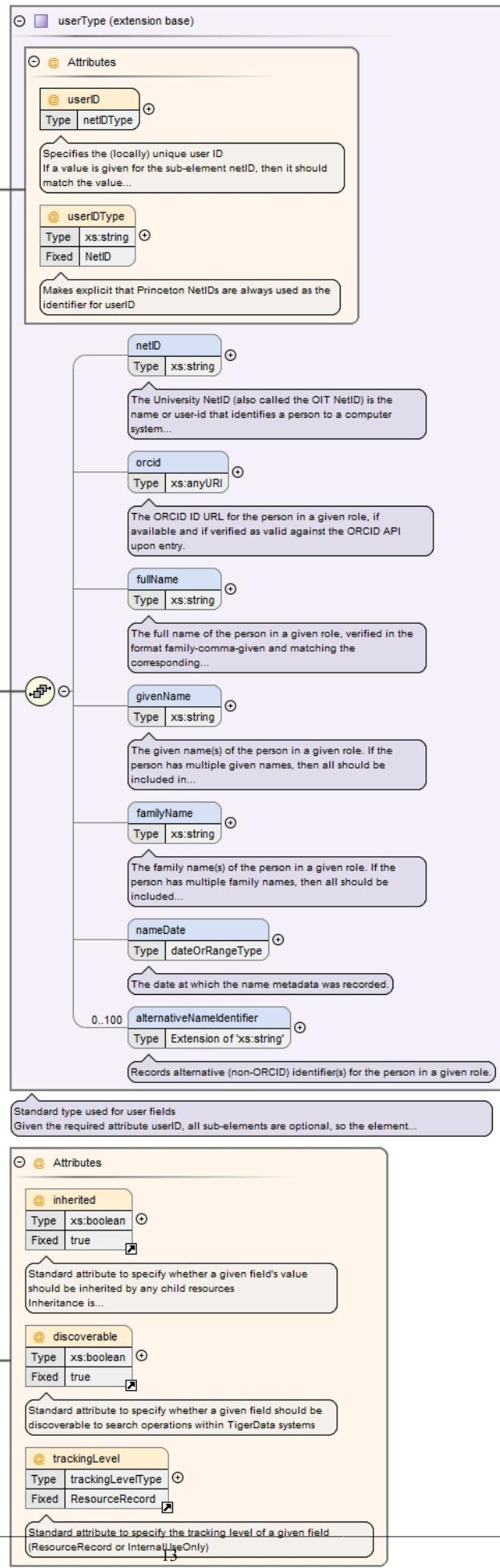
Type	extension of projectIDValueType				
Type hierarchy	<ul style="list-style-type: none"> xs:string doiType projectIDValueType 				
Properties	content: complex				
Used by	Element Groups itemFields, projectFields				
Attributes	QName	Type	Fixed	Default	Use
	discoverable	xs:boolean	true		optional
		Standard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

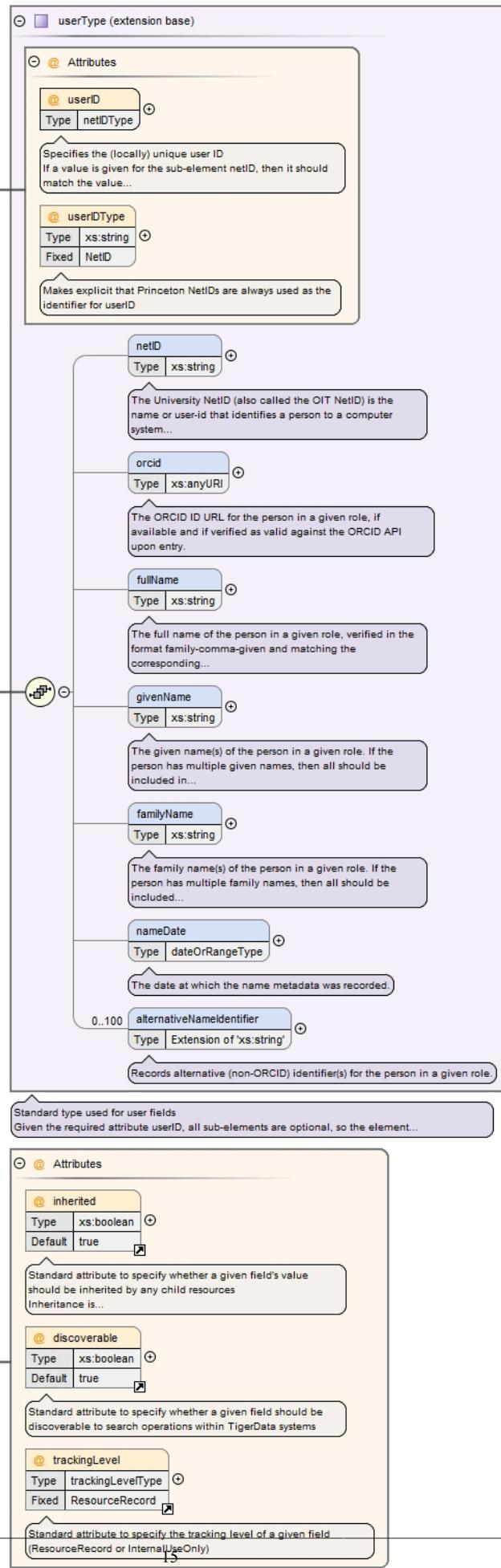


Type	extension of userType				
Type hierarchy	<ul style="list-style-type: none"> • userType 				
Properties	content: complex				
Used by	Element Group projectRoles				
Model	netID{0,1} , orcid{0,1} , fullName{0,1} , givenName{0,1} , familyName{0,1} , nameDate{0,1} , alternativeNameIdentifier{0,100}	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

Element dataManager

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

Diagram

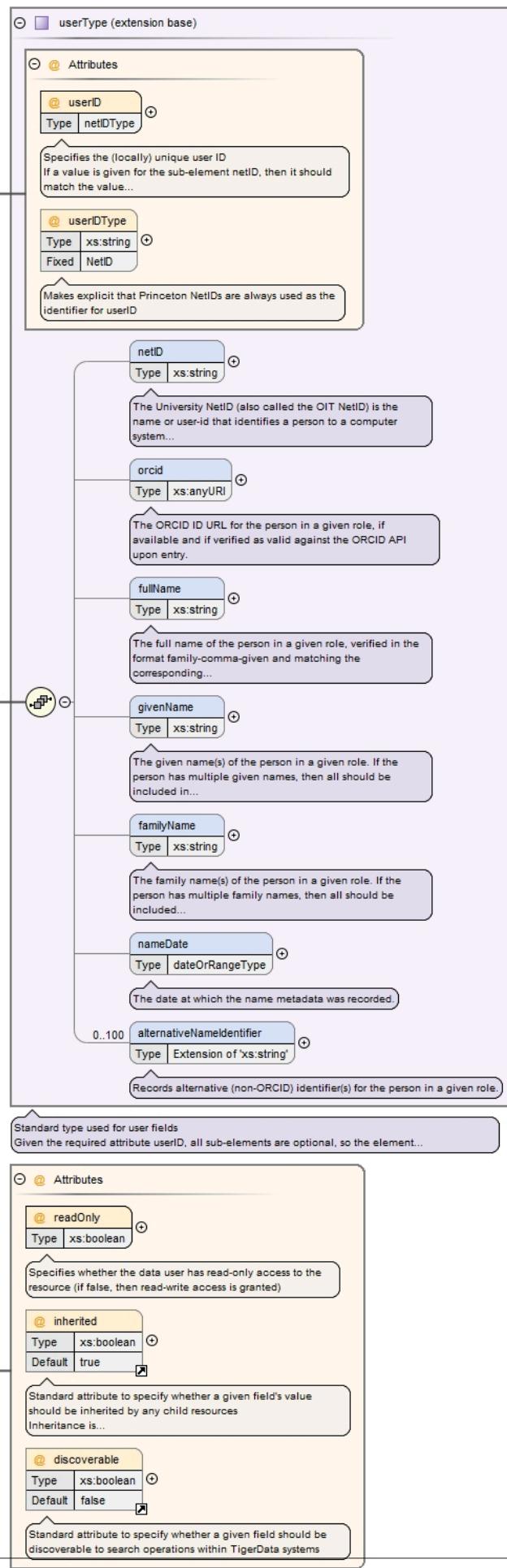


Type	extension of userType				
Type hierarchy	<ul style="list-style-type: none"> • userType 				
Properties	content: complex				
Used by	Element Group projectRoles				
Model	netID{0,1} , orcid{0,1} , fullName{0,1} , givenName{0,1} , familyName{0,1} , nameDate{0,1} , alternativeNameIdentifier{0,100}	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

Element dataUser

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

Diagram



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

Element dataUsers

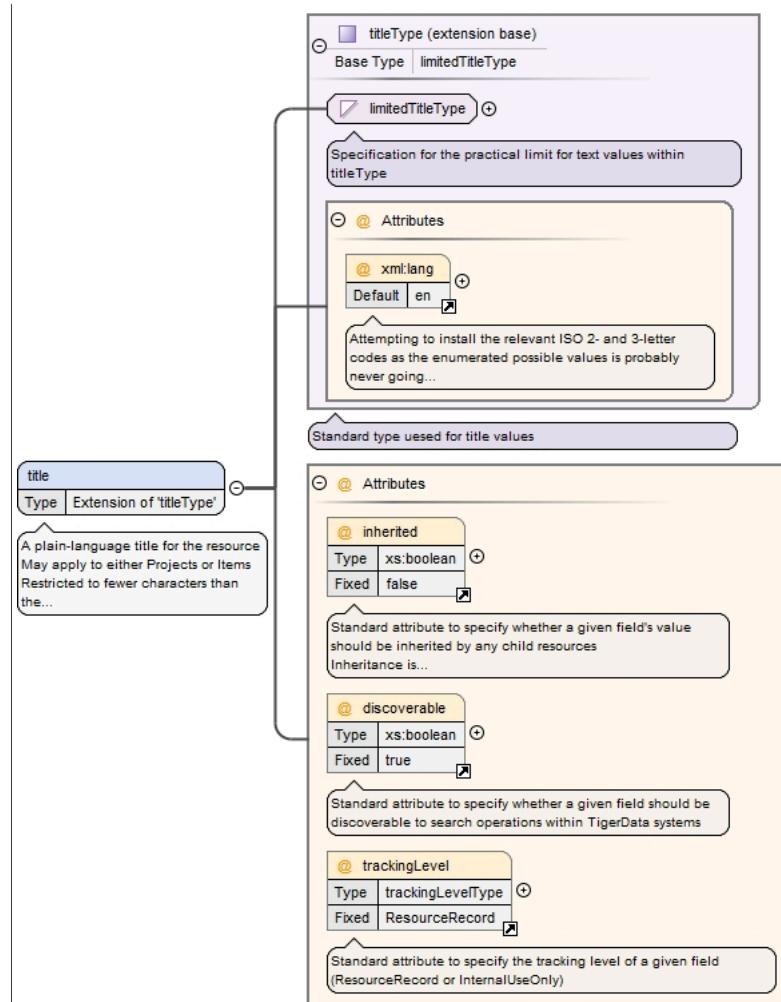
Namespace	No namespace
Annotations	<p>The container element for all data users of a resource</p> <p>May apply to either Projects or Items</p> <p>If this element is present, then it should contain at least one sub-element</p>

Diagram	<pre> classDiagram class dataUsers { <<The container element for all data users of a resource. May apply to either Projects or Items. If this element is...>> } class trackingLevel { <<Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)>> } dataUsers "1..100" -- "*" dataUser : dataUser dataUser "1..100" -- "*" trackingLevel : trackingLevel </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" 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;">trackingLevel</td><td style="padding: 2px;">trackingLevelType</td><td style="padding: 2px;">ResourceRecord</td><td style="padding: 2px;">optional</td><td style="padding: 2px;"></td></tr> <tr> <td colspan="5" style="text-align: center; padding: 2px;">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													
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Source	<pre> <xsd:element name="dataUsers"> <xsd:annotation> <xsd:documentation xml:lang="en">The container element for all data users of a resource</ xs:documentation> <xsd:documentation xml:lang="en">May apply to either Projects or Items</xsd:documentation> <xsd:documentation xml:lang="en">If this element is present, then it should contain at least one sub-element</xsd:documentation> </xsd:annotation> <xsd:complexType> <xsd:sequence> <xsd:element ref="dataUser" minOccurs="1" maxOccurs="100"/> </xsd:sequence> <xsd:attribute ref="trackingLevel" fixed="ResourceRecord"/> </xsd:complexType> </xsd:element> </pre>															

Element title

Namespace	No namespace
Annotations	<p>A plain-language title for the resource May apply to either Projects or Items Restricted to fewer characters than the typical free-text limitations</p>

Diagram



Type	extension of titleType																																																	
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> limitedTitleType titleType 																																																	
Properties	content: complex																																																	
Used by	Element Groups itemFields, projectDescription																																																	
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	The union allows for the 'un-declaration' of xml:lang with the empty string.			
Source	<pre><xs:element name="title"> <xs:annotation> <xs:documentation xml:lang="en">A plain-language title for the resource</xs:documentation> <xs:documentation xml:lang="en">May apply to either Projects or Items</xs:documentation> <xs: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	A plain-language description of the resource and/or its contents May apply to either Projects or Items
Diagram	<pre> classDiagram textType < -- limitedTextType limitedTextType { @xml:lang "en" @inherited "false" @discoverable "true" @trackingLevel "ResourceRecord" } limitedTextType < -- description description { A plain-language description of the resource and/or its contents May apply to either Projects or Items } </pre>
Type	extension of textType

Type hierarchy	<ul style="list-style-type: none"> • xs:string • limitedTextType • textType 																																																																																									
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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></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)	
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inherited	xs:boolean	true	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)															
Source	<pre><xss:element name="language"> <xss:annotation> <xss:documentation xml:lang="en">Language declaration for the contents of the resource</xss:documentation> <xss:documentation xml:lang="en">May apply to either Projects or Items</xss:documentation> </xss:annotation> <xss:complexType> <xss:simpleContent> <xss:extension base="xs:language"> <xss:attribute ref="inherited" default="true"/> </xss:extension> </xss:simpleContent> </xss:complexType> </xss:element></pre>																

Element languages

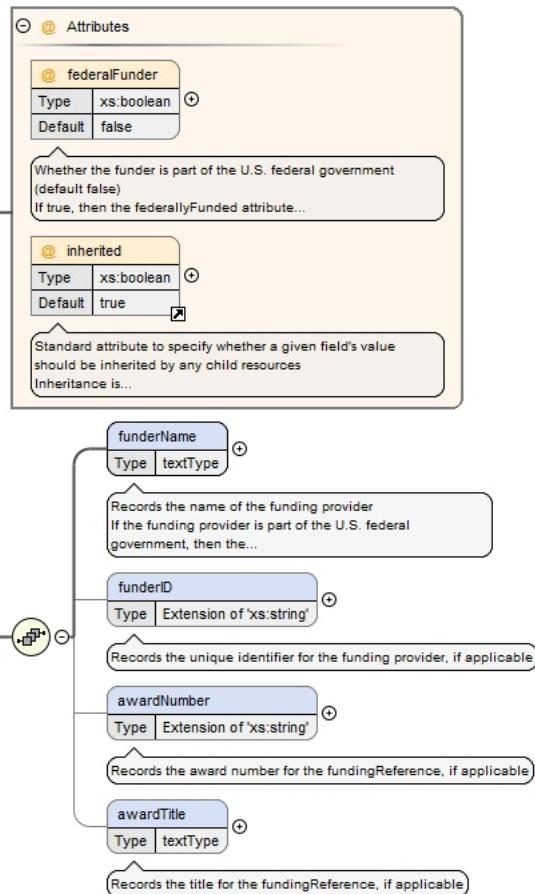
Namespace	No namespace
Annotations	<p>The container element for all languages for a resource</p> <p>May apply to either Projects or Items</p> <p>If this element is present, then it should contain at least one sub-element</p>
Diagram	
Properties	content: complex

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	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="languages"> <xss:annotation> <xss:documentation xml:lang="en">The container element for all languages 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="language" minOccurs="1" maxOccurs="100"/> </xss:sequence> <xss:attribute ref="discoverable" fixed="true"/> <xss:attribute ref="trackingLevel" fixed="ResourceRecord"/> </xss:complexType> </xss: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



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)</td> <td></td> <td></td> </tr> <tr> <td></td> <td>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> <tr> <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> <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				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)					
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Source	<pre> <xss:element name="fundingReference"> <xss:annotation> <xss:documentation xml:lang="en">Information about financial support for the resource (at minimum, a name for the funding provider)</xss:documentation> <xss: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</xss:documentation> <xss:documentation xml:lang="en">May apply to either Projects or Items</xss:documentation> <xss:documentation xml:lang="en">Derived from the DataCite definitions for FundingReference (v4.6+)</xss:documentation> <xss:documentation>https://datacite-metadata-schema.readthedocs.io/en/4.6/properties/fundingreference/</xss:documentation> </xss:annotation> </xss:element> </pre>																															

```

</xs:annotation>
<xs:complexType>
<xs:sequence>
    <xs:element name="funderName" type="textType" minOccurs="1" maxOccurs="1">
        <xs:annotation>
            <xs:documentation xml:lang="en">Records the name of the funding provider</xs:documentation>
        </xs:annotation>
    </xs:element>
    <xs:element name="funderID" minOccurs="0" maxOccurs="1">
        <xs:annotation>
            <xs:documentation xml:lang="en">Records the unique identifier for the funding provider, 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:simpleType>
                        <xs:restriction base="xs:string">
                            <xs:enumeration value="Crossref Funder ID" xml:lang="en"/>
                            <xs:enumeration value="GRID" xml:lang="en"/>
                            <xs:enumeration value="ISNI" xml:lang="en"/>
                            <xs:enumeration value="ROR" xml:lang="en"/>
                            <xs:enumeration value="Other" xml:lang="en"/>
                        </xs:restriction>
                    </xs:simpleType>
                </xs:attribute>
                <xs:attribute name="funderIDSchema" type="xs:anyURI" 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 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>
                            <xs:element name="awardTitle" type="textType" minOccurs="0" maxOccurs="1">
                                <xs:annotation>
                                    <xs:documentation xml:lang="en">Records the title for the fundingReference, if applicable</xs:documentation>
                                </xs:annotation>
                            </xs:element>
                        </xs:sequence>
                        <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>
                        <xs:attribute ref="inherited" default="true"/>
                    </xs:complexType>
                </xs:element>
            </xs:sequence>
        </xs:complexType>
    </xs:element>
</xs:annotation>

```

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

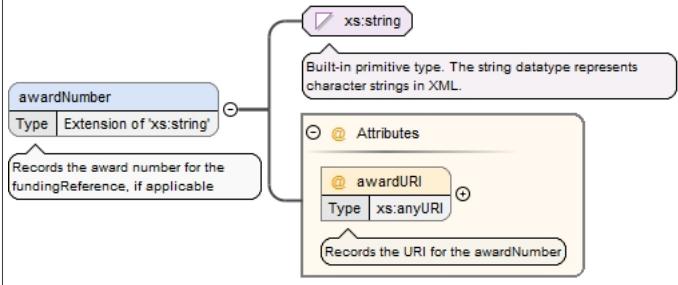
Element fundingReference / funderID

Namespace	No namespace
Annotations	Records the unique identifier for the funding provider, if applicable

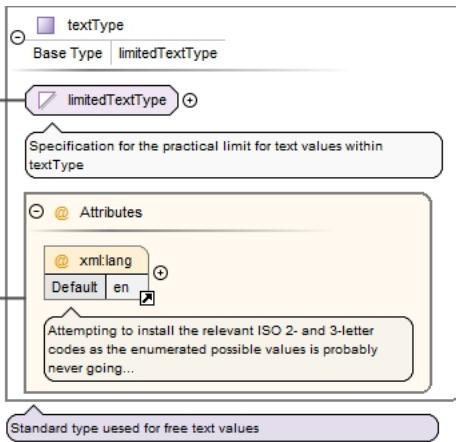
Diagram	<pre> classDiagram xs:string "Built-in primitive type. The string datatype represents character strings in XML." funderID "Extension of xs:string" funderID < -- funderIDType : Restriction of xs:string funderID < -- funderIDSchema : xs:anyURI funderIDType < -- funderIDType : Restriction of xs:string funderIDType < -- funderIDType : Default ROR funderIDSchema < -- funderIDSchema : xs:anyURI funderIDSchema < -- funderIDSchema : Default https://ror.org/ </pre>																									
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QName	Type	Default	Use																							
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		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:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="Crossref Funder ID" xml:lang="en"/> <xs:enumeration value="GRID" xml:lang="en"/> <xs:enumeration value="ISNI" xml:lang="en"/> <xs:enumeration value="ROR" xml:lang="en"/> <xs:enumeration value="Other" xml:lang="en"/> </xs:restriction> </xs:simpleType> </xs:attribute> <xs:attribute name="funderIDSchema" type="xs:anyURI" 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>																									

Element fundingReference / awardNumber

Namespace	No namespace
Annotations	Records the award number for the fundingReference, if applicable

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	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>awardURI</td> <td>xs:anyURI</td> <td>optional</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					
Type	textType				
Type hierarchy	<ul style="list-style-type: none"> • xs:string • limitedTextType • textType 				
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	complex	minOccurs:	0
content:	complex				
minOccurs:	0				

	maxOccurs:	1			
Attributes	QName	Type	Default	Use	
	xml:lang	union of(xs:language, restriction of xs:string)	en	optional	
	Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/lang-tag-apps.htm for further information.				
	The union allows for the 'un-declaration' of xml:lang with the empty string.				
Source	<pre><xs:element name="awardTitle" type="textType" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">Records the title for the fundingReference, if applicable</xs:documentation> </xs:annotation> </xs: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	<pre> classDiagram class fundingReferences { @discoverable Type xs:boolean Fixed true @trackingLevel Type trackingLevelType Fixed ResourceRecord } fundingReferences "1..100" o--> fundingReference </pre>																				
Properties	content: complex																				
Used by	Element Groups additionalProjectInformation, itemFields																				
Model	fundingReference{1,100}																				
Children	fundingReference																				
Instance	<pre><fundingReferences discoverable="true" trackingLevel="ResourceRecord"> <fundingReference federalFunder="false" inherited="true">{1,100}</fundingReference> </fundingReferences></pre>																				
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>discoverable</td> <td>xs:boolean</td> <td>true</td> <td>optional</td> </tr> <tr> <td></td> <td 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><xs:element name="fundingReferences"> <xs:annotation></pre>																				

```

<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:elements>

```

Element itemResourceType

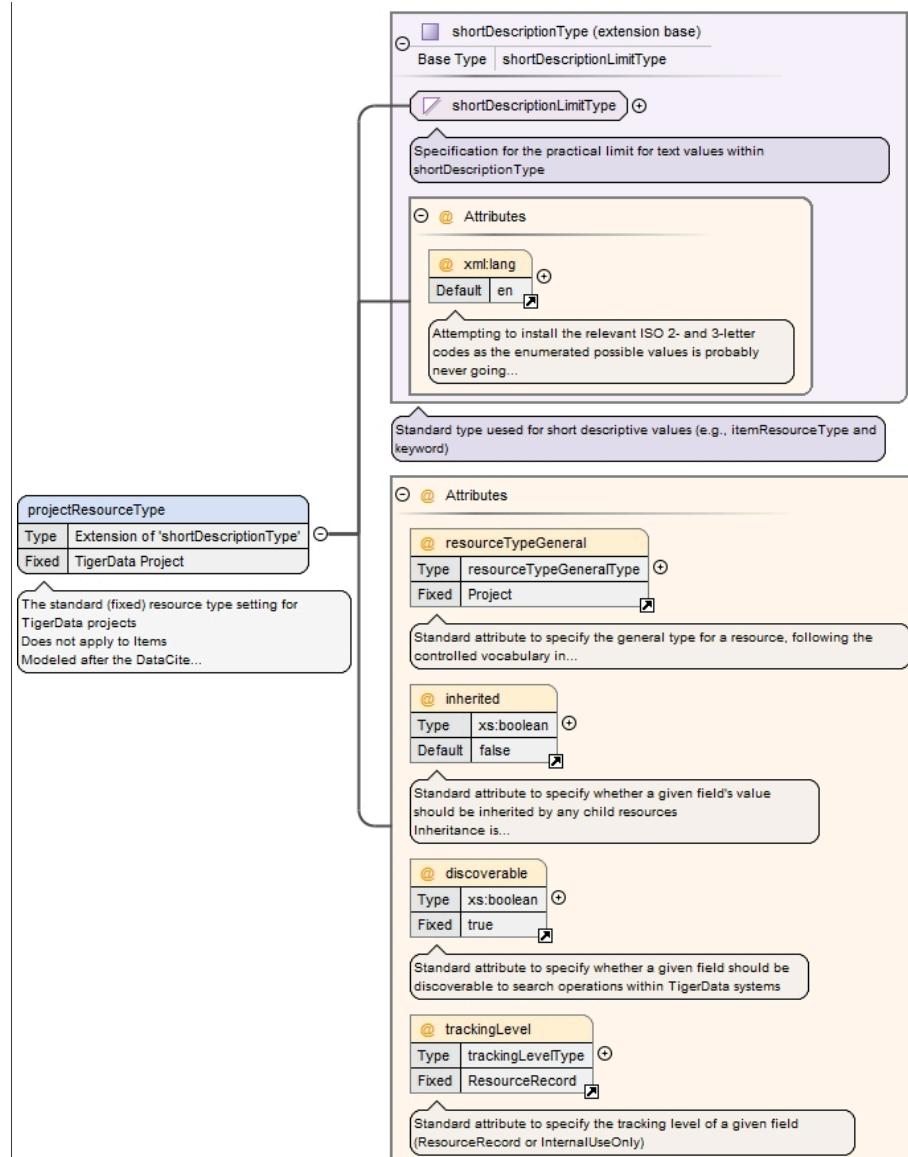
Namespace	No namespace
Annotations	<p>A short description of the type of item, used in conjunction with a standard value for the resourceTypeGeneral attribute</p> <p>Does not apply to Projects</p> <p>Modeled after the DataCite definition for ResourceType (v4.6+)</p>
Diagram	<p>The diagram illustrates the UML class structure for the itemResourceType element. It is defined as an extension of the shortDescriptionType class. The class has several attributes:</p> <ul style="list-style-type: none"> resourceTypeGeneral: A standard attribute of type xs:boolean with a default value of false. It is described as a standard attribute to specify the general type for a resource, following the controlled vocabulary in... discoverable: A standard attribute of type xs:boolean with a fixed value of true. It is described as a standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems. trackingLevel: A standard attribute of type trackingLevelType with a fixed value of ResourceRecord. It is described as a standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly). inherited: An attribute of type xs:boolean with a default value of false. It is described as a standard attribute to specify whether a given field's value should be inherited by any child resources. Inheritance is...
Type	extension of shortDescriptionType
Type hierarchy	<ul style="list-style-type: none"> • xs:string • shortDescriptionLimitType

	<ul style="list-style-type: none"> • shortDescriptionType 					
Properties	content: complex					
Used by	Element Group itemFields					
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			required	
		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	
		Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/lang-tag-apps.htm for further information.				
		The union allows for the 'un-declaration' of xml:lang with the empty string.				
Source	<pre><xss:element name="itemResourceType"> <xss:annotation> <xss:documentation xml:lang="en">A short description of the type of item, used in conjunction with a standard value for the resourceTypeGeneral attribute</xss:documentation> <xss:documentation xml:lang="en">Does not apply to Projects</xss:documentation> <xss:documentation xml:lang="en">Modeled after the DataCite definition for ResourceType (v4.6+)</xss:documentation> </xss:annotation> <xss:complexType> <xss:simpleContent> <xss:extension base="shortDescriptionType"> <xss:attribute ref="resourceTypeGeneral" use="required"/> <xss:attribute ref="inherited" default="false"/> <xss:attribute ref="discoverable" fixed="true"/> <xss:attribute ref="trackingLevel" fixed="ResourceRecord"/> </xss:extension> </xss:simpleContent> </xss:complexType> </xss:element></pre>					

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



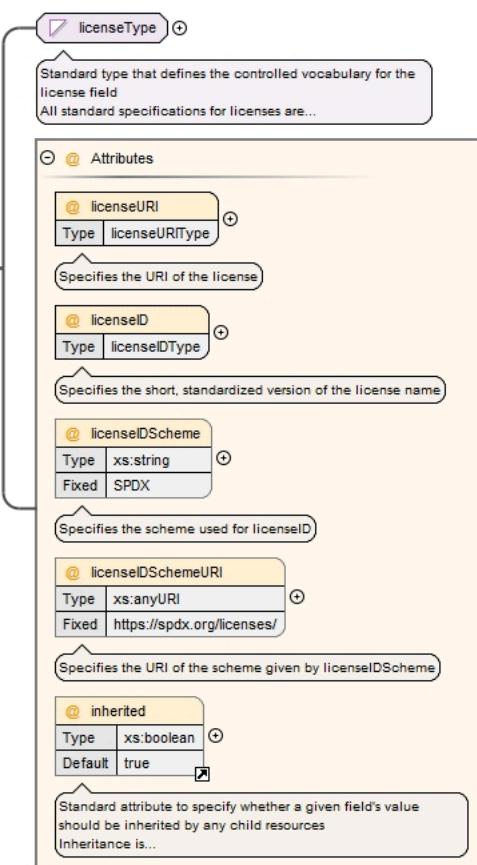
Type	extension of <code>shortDescriptionType</code>				
Type hierarchy	<ul style="list-style-type: none"> <code>xs:string</code> <ul style="list-style-type: none"> <code>shortDescriptionLimitType</code> <code>shortDescriptionType</code> 				
Properties	<p>content: complex</p> <p>fixed: TigerData Project</p>				
Used by	Element Group additionalProjectInformation				
Attributes	QName	Type	Fixed	Default	Use
	<code>discoverable</code>	<code>xs:boolean</code>	true		optional
		Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems			
	<code>inherited</code>	<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)			
	<code>resourceTypeGeneral</code>	<code>resourceTypeGeneralType</code>	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	
		Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/lang-tag-apps.htm for further information.			
		The union allows for the 'un-declaration' of xml:lang with the empty string.			
Source	<pre><xs:element name="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></pre>				

Element license

Namespace	No namespace
Annotations	<p>Specific rights granted for copying and reusing the resource</p> <p>May apply to either Projects or Items</p> <p>Modeled after the DataCite definitions for Rights (v4.6+)</p>

Diagram



Type	extension of licenseType				
Type hierarchy	<ul style="list-style-type: none"> • xs:string • licenseType 				
Properties	content: complex				
Used by	Element licenses				
Attributes	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				
	licenseIDScheme	xs:string	SPDX		optional
	Specifies the scheme used for licenseID				
	licenseIDSchemeURI	xs:anyURI	https://spdx.org/licenses/		optional
	Specifies the URI of the scheme given by licenseIDScheme				
	licenseURI	licenseURIType			required
	Specifies the URI of the license				
Source	<pre> <xs:element name="license"> <xs:annotation> <xs:documentation xml:lang="en">Specific rights granted for copying and reusing the resource</xs:documentation> <xs: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="licenseIDScheme" type="xs:string" fixed="SPDX">
      <xs:annotation>
        <xs:documentation xml:lang="en">Specifies the scheme used for licenseID</xs:documentation>
      </xs:annotation>
    </xs:attribute>
    <xs:attribute name="licenseIDSchemeURI" type="xs:anyURI" fixed="https://spdx.org/licenses/">
      <xs:annotation>
        <xs:documentation xml:lang="en">Specifies the URI of the scheme given by licenseIDScheme</xs:documentation>
      </xs:annotation>
    </xs:attribute>
    <xs:attribute ref="inherited" default="true"/>
  </xs:extension>
</xs:simpleContent>
</xs:complexType>
</xs:element>

```

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 } license < -- licenseType </pre> <p>The container element for all licenses for a resource. May apply to either Projects or Items. If this element is present, then it should contain at least one sub-element.</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="" licenseIDScheme="SPDX" licenseIDSchemeURI="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>Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems</td> <td></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		
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	<pre><xss:element name="licenses"> <xss:annotation> <xss:documentation xml:lang="en">The container element for all licenses 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="license" minOccurs="1" maxOccurs="100"/> </xss:sequence> <xss:attribute ref="discoverable" fixed="true"/> <xss:attribute ref="trackingLevel" fixed="ResourceRecord"/> </xss:complexType> </xss:element></pre>				

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 { Type: xs:boolean, Default: true } grantorName { Type: textType Records the name of the DUA grantor } dualID { Type: Extension of 'xs:string' Records the identifier for the DUA, if applicable (given as a string) } duaTitle { Type: textType Records the title for the DUA, if applicable } } </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:element> <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:sequence> <xs:attribute ref="inherited" default="true"/> </xs:complexType> </xs:element> </pre>				

Element `duaReference / grantorName`

Namespace	No namespace
Annotations	Records the name of the DUA grantor
Diagram	<p>The diagram illustrates the inheritance path for the <code>grantorName</code> element. It starts with the <code>grantorName</code> element, which is defined as a <code>Type</code> of <code>textType</code>. A callout notes that it "Records the name of the DUA grantor". An arrow points from <code>textType</code> to <code>limitedTextType</code>, which is described as a "Base Type limitedTextType". Another arrow points from <code>limitedTextType</code> to a callout stating "Specification for the practical limit for text values within textType". From <code>limitedTextType</code>, an arrow points to a box labeled "@ Attributes". Inside this box is the attribute <code>@xml:lang</code> with a default value of "en". A callout for this attribute notes: "Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going...". A final callout at the bottom indicates that <code>limitedTextType</code> is the "Standard type used for free text values".</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	

Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility. See RFC 3066 at <http://www.ietf.org/rfc/rfc3066.txt> and the IANA registry at <http://www.iana.org/assignments/lang-tag-apps.htm> for further information.

The union allows for the 'un-declaration' of xml:lang with the empty string.

Source	<pre><xs:element name="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	<pre> classDiagram class duaID { <<Extension of 'xs:string'>> <<Records the identifier for the DUA, if applicable (given as a string)>> } class xsString { <<Built-in primitive type. The string datatype represents character strings in XML.>> } class Attrib { <<@ Attributes>> } class duaURI { <<Type xs:anyURI>> <<Records the URI for the DUA>> } duaID < -- xsString duaID < -- Attrib duaID < -- duaURI </pre>		
Type	extension of xs:string		
Properties	content:	complex	
	minOccurs:	0	
	maxOccurs:	1	
Attributes	QName	Type	Use
	duaURI	xs:anyURI	optional
		Records the URI for the DUA	
Source	<pre><xs:element name="duaID" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">Records the identifier for the DUA, 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:element></pre>		

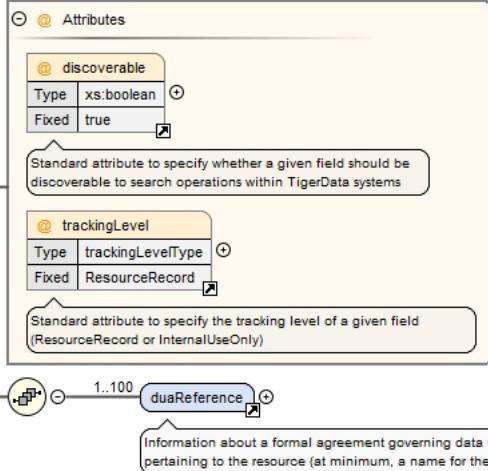
Element duaReference / duaTitle

Namespace	No namespace		
Annotations	Records the title for the DUA, if applicable		

Diagram	<pre> classDiagram textType < -- limitedTextType class textType { <<Base Type limitedTextType>> <<Specification for the practical limit for text values within textType>> @Attributes <<@ xml:lang Default en Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going... Standard type used for free text values>> } class duaTitle { <<Type textType>> Records the title for the DUA, if applicable } textType "0..1" *-- "1..1" duaTitle </pre>												
Type	textType												
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> limitedTextType textType 												
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1						
content:	complex												
minOccurs:	0												
maxOccurs:	1												
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>xml:lang</td> <td>union of(xs:language, restriction of xs:string)</td> <td>en</td> <td>optional</td> </tr> <tr> <td></td> <td> <p>Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/lang-tag-apps.htm for further information.</p> <p>The union allows for the 'un-declaration' of xml:lang with the empty string.</p> </td> <td></td> <td></td> </tr> </tbody> </table>	QName	Type	Default	Use	xml:lang	union of(xs:language, restriction of xs:string)	en	optional		<p>Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/lang-tag-apps.htm for further information.</p> <p>The union allows for the 'un-declaration' of xml:lang with the empty string.</p>		
QName	Type	Default	Use										
xml:lang	union of(xs:language, restriction of xs:string)	en	optional										
	<p>Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/lang-tag-apps.htm for further information.</p> <p>The union allows for the 'un-declaration' of xml:lang with the empty string.</p>												
Source	<pre> <xs:element name="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>DUAs are short for Data Use Agreements</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	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 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><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 { <<Type Extension of 'dateOrRangeType'>> <<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 : startDate "0..1" -- "1" Attributes : Attributes { <<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...>> } Attributes "0..1" -- "1" inherited : </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> <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	<p>The diagram illustrates the definition of the <code>endDate</code> element. It is defined as an extension of the <code>dateOrRangeType</code>. The <code>dateOrRangeType</code> is described as a standard type for dates or date ranges, applying a pattern aligned with... The <code>endDate</code> element has an attribute <code>@inherited</code> of type <code>xs:boolean</code> with a default value of <code>true</code>. This attribute specifies whether the field's value should be inherited by child resources.</p>								
Type	extension of <code>dateOrRangeType</code>								
Type hierarchy	<ul style="list-style-type: none"> • <code>xs:string</code> • <code>dateOrRangeType</code> 								
Properties	content: <code>complex</code>								
Used by	Elements <code>itemDates</code> , <code>projectDates</code>								
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>inherited</td><td><code>xs:boolean</code></td><td><code>true</code></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., <code>researchDomain</code> may be inherited by a subproject but not an item)</p>	QName	Type	Default	Use	inherited	<code>xs:boolean</code>	<code>true</code>	optional
QName	Type	Default	Use						
inherited	<code>xs:boolean</code>	<code>true</code>	optional						
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 <code>startDate</code>, nor later than that of <code>retirementDate</code></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>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	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																										
	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)																												
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> </xss:element> </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

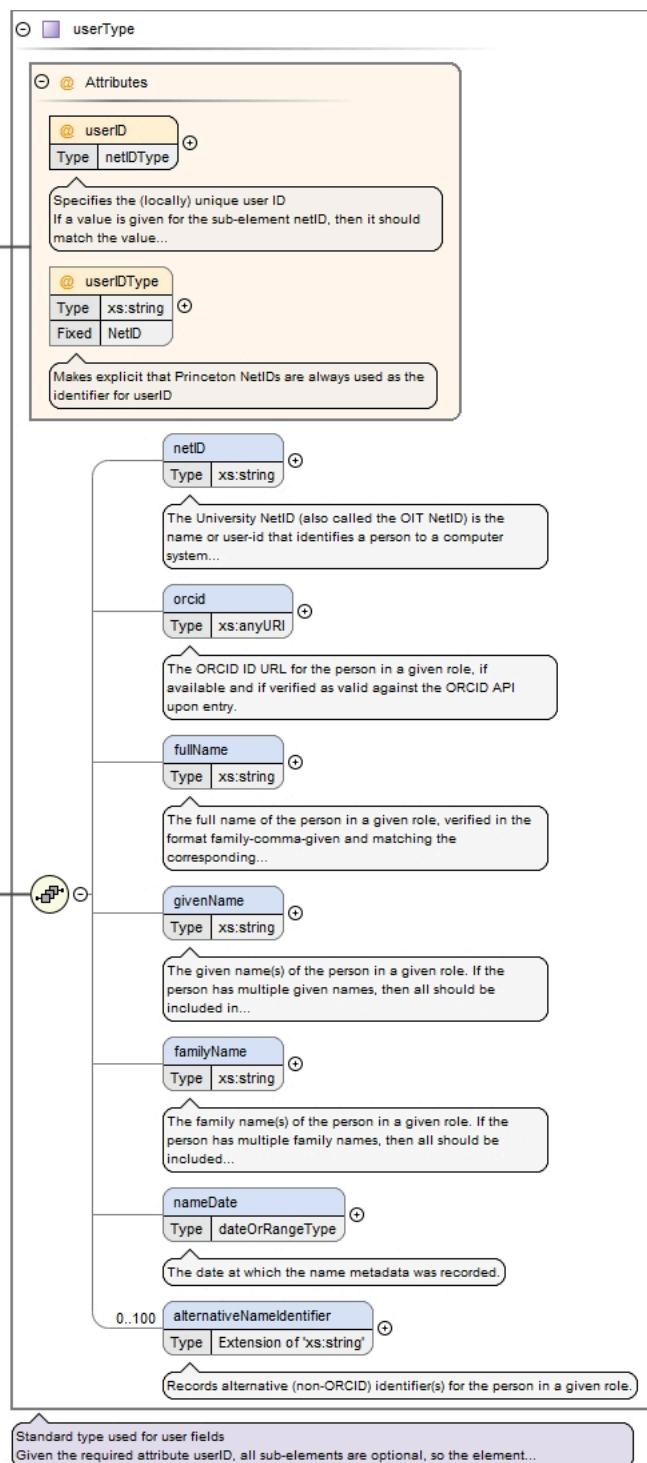
Namespace	No namespace
Annotations	<p>The container element for all date elements that apply to an Item</p> <p>Unlike provenance records, these date fields are all discoverable and tracked in the resource record</p> <p>If this element is present, then it should contain at least one sub-element</p>
Diagram	<p>The diagram illustrates the structure of the itemDates element. It is a class with the following components:</p> <ul style="list-style-type: none"> Attributes: <ul style="list-style-type: none"> @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 ResourceRecord. Description: Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly). Operations: <ul style="list-style-type: none"> itemDates: The container element for all date elements that apply to an Item. Unlike provenance records, these date fields are all... 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...). 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 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>

Diagram



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

	<pre><nameDate>{0,1}</nameDate> <alternativeNameIdentifier nameIdentifierScheme="" schemeURI="">{0,100}</ alternativeNameIdentifier> </requestedBy></pre>				
Attributes	QName	Type	Fixed	Use	
	userID	netIDType		required	
		<p>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</p>			
	userIDType	xs:string	NetID	optional	
		<p>Makes explicit that Princeton NetIDs are always used as the identifier for userID</p>			
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>				

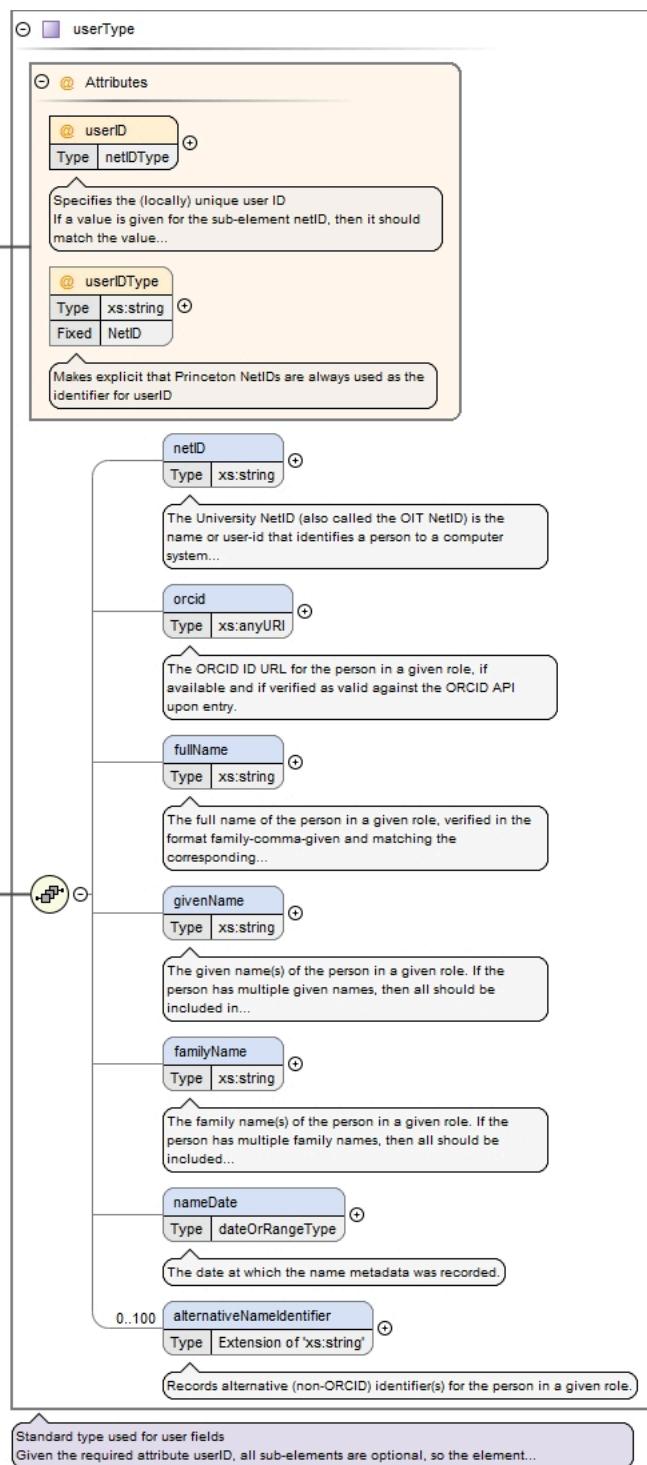
Element provenanceSubfields / requestDateTime

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							
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>orcid{0,1}</code> , <code>fullName{0,1}</code> , <code>givenName{0,1}</code> , <code>familyName{0,1}</code> , <code>nameDate{0,1}</code> , <code>alternativeNameIdentifier{0,100}</code>						
Children	<code>alternativeNameIdentifier</code> , <code>familyName</code> , <code>fullName</code> , <code>givenName</code> , <code>nameDate</code> , <code>netID</code> , <code>orcid</code>						
Instance	<pre> <approvedBy userID="" userIDType="NetID"> <netID>{0,1}</netID> <orcid>{0,1}</orcid> <fullName>{0,1}</fullName> <givenName>{0,1}</givenName> <familyName>{0,1}</familyName> </pre>						

	<pre><nameDate>{0,1}</nameDate> <alternativeNameIdentifier nameIdentifierScheme="" schemeURI="">{0,100}</ alternativeNameIdentifier> </approvedBy></pre>				
Attributes	QName	Type	Fixed	Use	
	userID	netIDType		required	
	<p>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</p>				
	userIDType	xs:string	NetID	optional	
	<p>Makes explicit that Princeton NetIDs are always used as the identifier for userID</p>				
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>				

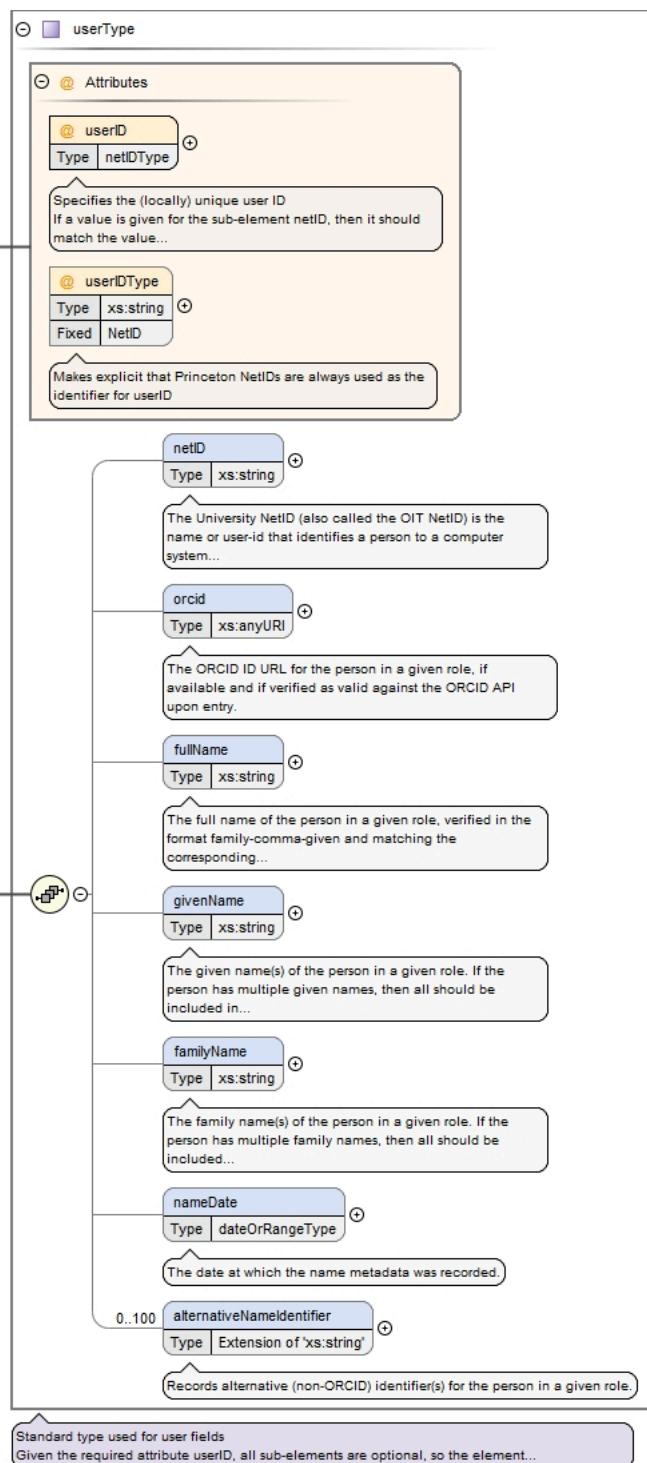
Element provenanceSubfields / approvalDateTime

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	<p>The date and time the request was approved Include the time zone at the location of the host institution Princeton...</p> <p>Built-in primitive type. The dateTime datatype represents a specific instant of time.</p>
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>orcid{0,1}</code> , <code>fullName{0,1}</code> , <code>givenName{0,1}</code> , <code>familyName{0,1}</code> , <code>nameDate{0,1}</code> , <code>alternativeNameIdentifier{0,100}</code>						
Children	<code>alternativeNameIdentifier</code> , <code>familyName</code> , <code>fullName</code> , <code>givenName</code> , <code>nameDate</code> , <code>netID</code> , <code>orcid</code>						
Instance	<pre> <deniedBy userID="" userIDType="NetID"> <netID>{0,1}</netID> <orcid>{0,1}</orcid> <fullName>{0,1}</fullName> <givenName>{0,1}</givenName> <familyName>{0,1}</familyName> </pre>						

	<pre><nameDate>{0,1}</nameDate> <alternativeNameIdentifier nameIdentifierScheme="" schemeURI="">{0,100}</ alternativeNameIdentifier> </deniedBy></pre>				
Attributes	QName	Type	Fixed	Use	
	userID	netIDType		required	
		<p>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</p>			
Source	userIDType	xs:string	NetID	optional	
		<p>Makes explicit that Princeton NetIDs are always used as the identifier for userID</p>			

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	<p>The diagram shows a class named 'denialDateTime' with a generalization relationship to the built-in primitive type 'xs:dateTime'. A callout box points to the 'xs:dateTime' icon with the text: 'Built-in primitive type. The dateTime datatype represents a specific instant of time.'</p> <p>A note below the class definition states: 'The date and time the request was denied. Include the time zone at the location of the host institution Princeton...'</p>						
Type	xs:dateTime						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<pre><xs:element name="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" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">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>						

```

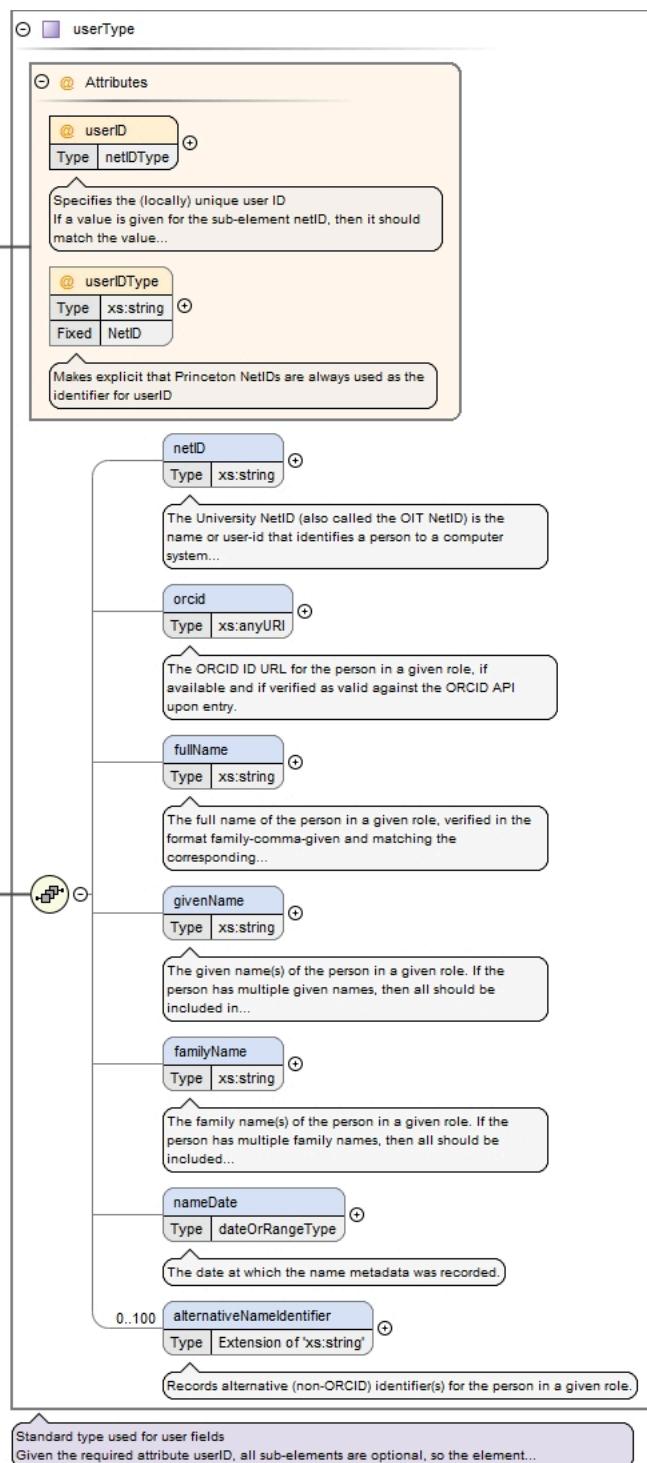
<xs:enumeration value="Quota" xml:lang="en">
    <xs:annotation>
        <xs:documentation xml:lang="en">Event note pertains to the project's quota settings
in Mediaflux</xs:documentation>
    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="Tier" xml:lang="en">
    <xs:annotation>
        <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	userType
Properties	content: complex minOccurs: 1 maxOccurs: 1
Model	netID{0,1} , orcid{0,1} , fullName{0,1} , givenName{0,1} , familyName{0,1} , nameDate{0,1} , alternativeNameIdentifier{0,100}
Children	alternativeNameIdentifier, familyName, fullName, givenName, nameDate, netID, orcid
Instance	<pre><noteBy userID="" userIDType="NetID"> <netID>{0,1}</netID> <orcid>{0,1}</orcid> <fullName>{0,1}</fullName> <givenName>{0,1}</givenName> <familyName>{0,1}</familyName></pre>

	<pre><nameDate>{0,1}</nameDate> <alternativeNameIdentifier nameIdentifierScheme="" schemeURI="">{0,100}</ alternativeNameIdentifier> </noteBy></pre>				
Attributes	QName	Type	Fixed	Use	
	userID	netIDType		required	
		<p>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</p>			
	userIDType	xs:string	NetID	optional	
	<p>Makes explicit that Princeton NetIDs are always used as the identifier for userID</p>				
Source	<pre><xss:element name="noteBy" type="userType" minOccurs="1" maxOccurs="1"> <xss:annotation> <xss:documentation xml:lang="en">The person making the note</xss:documentation> <xss:documentation xml:lang="en">Should be a System Administrator</xss:documentation> </xss:annotation> </xss: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><xss:element name="noteDateTime" type="xs:dateTime" minOccurs="1" maxOccurs="1"> <xss:annotation> <xss:documentation xml:lang="en">The date and time the note was made</xss:documentation> <xss:documentation xml:lang="en">Include the time zone at the location of the host institution</xss:documentation> <xss: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)</xss:documentation> </xss:annotation> </xss: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> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>enumeration</td> <td>Collection</td> <td>Event note records the assignment of or change to the project's Mediaflux collection ID</td> </tr> </table>	enumeration	Collection	Event note records the assignment of or change to the project's Mediaflux collection ID			
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	<pre> classDiagram textType < -- limitedTextType limitedTextType < -- message message < -- Type Type < -- textType @xml:lang("en") limitedTextType limitedTextType --> note: Specification for the practical limit for text values within textType limitedTextType --> note: Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going... limitedTextType --> note: Standard type used for free text values </pre>															
Type	textType															
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • limitedTextType • textType 															
Properties	<table> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1									
content:	complex															
minOccurs:	1															
maxOccurs:	1															
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Default</th> <th>Use</th> <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 colspan="4"> Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/lang-tag-apps.htm for further information. The union allows for the 'un-declaration' of xml:lang with the empty string. </td></tr> </tbody> </table>	QName	Type	Default	Use		xml:lang	union of(xs:language, restriction of xs:string)	en	optional			Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/lang-tag-apps.htm for further information. The union allows for the 'un-declaration' of xml:lang with the empty string.			
QName	Type	Default	Use													
xml:lang	union of(xs:language, restriction of xs:string)	en	optional													
	Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/lang-tag-apps.htm for further information. The union allows for the 'un-declaration' of xml:lang with the empty string.															
Source	<pre> <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 { @discoverable : xs:boolean @trackingLevel : trackingLevelType researchDomain[1..4] } class researchDomain { @inherited : boolean } </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></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)
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			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...>> } researchDomain "1..>" researchDomainNameType researchDomain < -- researchDomainNameType researchDomain < -- @ inherited { Type: xs:boolean Fixed: true } note over @ inherited: Standard attribute to specify whether a given field's value should be inherited by any child resources Inheritance is... </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></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														
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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)															
Source	<pre> <xs:element name="researchDomain" minOccurs="1" maxOccurs="4"> <xs:annotation> <xs:documentation xml:lang="en">The general field(s) of academic research related to the project, if applicable</xs:documentation> <xs:documentation xml:lang="en">Options are limited to the 4 domains Princeton University uses to categorize departments</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="researchDomainNameType"> <xs:attribute ref="inherited" fixed="true"/> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element> </pre>																

Element projectDescription / departments

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

Diagram	<pre> classDiagram class departments { @discoverable @trackingLevel department[1..100] } class department { Type: Extension of 'departmentType' } department < -- departmentType </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	department{1,100}																									
Children	department																									
Instance	<pre> <departments discoverable="true" trackingLevel="ResourceRecord"> <department departmentCode="" inherited="true">{1,100}</department> </departments> </pre>																									
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="padding: 2px;">QName</th><th style="padding: 2px;">Type</th><th style="padding: 2px;">Fixed</th><th style="padding: 2px;">Use</th><th style="padding: 2px;"></th></tr> </thead> <tbody> <tr> <td style="padding: 2px;">discoverable</td><td style="padding: 2px;">xs:boolean</td><td style="padding: 2px;">true</td><td style="padding: 2px;">optional</td><td style="padding: 2px;"></td></tr> <tr> <td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;">Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems</td></tr> <tr> <td style="padding: 2px;">trackingLevel</td><td style="padding: 2px;">trackingLevelType</td><td style="padding: 2px;">ResourceRecord</td><td style="padding: 2px;">optional</td><td style="padding: 2px;"></td></tr> <tr> <td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;">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																							
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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 department < -- departmentType department "1..> departmentCodeType department "0..1" -> inherited departmentCodeType { @ departmentCode Type departmentCodeType "1..>" Records the numerical code for the department (required) } inherited { @ inherited Type xs:boolean Default true } </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																								
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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																						
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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 < -- approved approved < -- inherited approved < -- discoverable approved < -- trackingLevel approved < -- projectDirectoryPath approved < -- requestedValue approved < -- approvedValue </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>: A standard attribute to specify whether a given field has an approved value. <code>inherited</code>: A standard attribute to specify whether a given field's value should be inherited by any child resources. <code>discoverable</code>: A standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems. <code>trackingLevel</code>: A 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>			

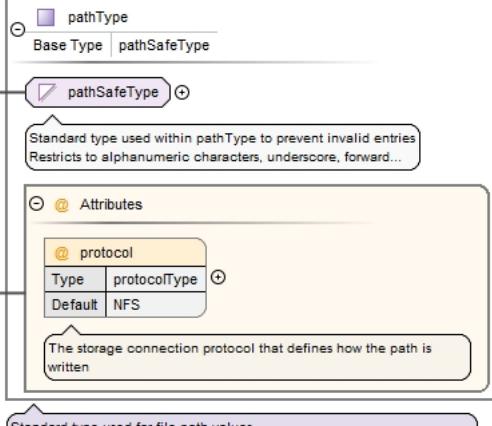
Element projectDescription / projectDirectory / projectDirectoryPath

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>

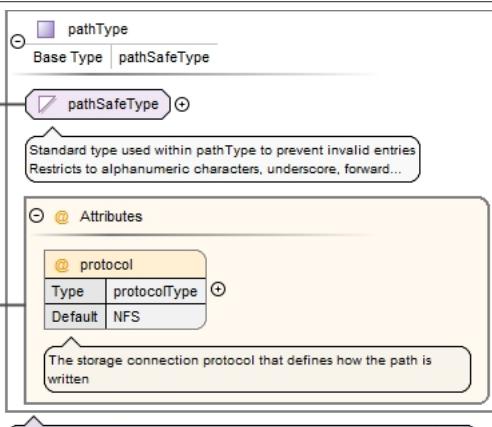
	<p>Multiple elements are allowed to specify paths in alternative protocols, using the protocol attribute</p> <p>Example NFS path: /tigerdata/parent-folder/project-folder</p> <p>Example SMB path: \\tigerdata-smb\parent-folder\project-folder</p> <p>Example S3 path: S3://princeton/tigerdata/parent-folder/project-folder</p>												
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 { <<pathType>> <<Base Type pathSafeType>> } class pathSafeType { <<pathSafeType>> <<Standard type used within pathType to prevent invalid entries. Restricts to alphanumeric characters, underscore, forward...>> } class @protocol { <<@ protocol>> <<Type protocolType>> <<Default NFS>> <<The storage connection protocol that defines how the path is written>> } projectDirectoryPath --> pathType pathType --> pathSafeType pathType --> @protocol </pre> <p>The diagram illustrates the schema's inheritance structure. <code>projectDirectoryPath</code> is derived from <code>pathType</code>. <code>pathType</code> is the base type, which further derives from <code>pathSafeType</code>. <code>pathType</code> also contains an attribute <code>@ protocol</code> with a default value of <code>NFS</code>.</p>												
Type	pathType												
Type hierarchy	<ul style="list-style-type: none"> xs:string pathSafeType pathType 												
Properties	<table> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>100</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	100						
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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> <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	<table> <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> <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> </tbody> </table> <p>The storage connection protocol that defines how the path is written</p>	QName	Type	Default	Use	protocol	protocolType	NFS	optional
QName	Type	Default	Use						
protocol	protocolType	NFS	optional						
Source	<pre><xs:element name="requestedValue" type="pathType" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The requested value for projectDirectory (omitted if no user request was received)</xs:documentation> </xs:annotation> </xs:element></pre>								

Element projectDescription / projectDirectory / approvedValue

Namespace	No namespace
Annotations	<p>The approved value for projectDirectory (omitted if no sys admin has approved yet)</p> <p>Once approved, the approved attribute should also be set to true</p>
Diagram	
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 requestedValue approvedValue } class trackingLevelType class storageQuantityType </pre> <p>The diagram illustrates the structure of the <code>storageCapacity</code> element. It contains four standard attributes: <code>approved</code>, <code>inherited</code>, <code>discoverable</code>, and <code>trackingLevel</code>. Additionally, it features three nested settings: <code>storageCapacitySetting</code>, <code>requestedValue</code>, and <code>approvedValue</code>. Each setting has its own specific type (<code>storageQuantityType</code>) and detailed documentation explaining its purpose and behavior.</p>
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><xs:element name="storageCapacity" minOccurs="1" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The amount of storage allotted for the project (using logical byte units, base-10)</xs:documentation> <xs:documentation xml:lang="en">If no user request was received and no value has yet been approved, then this field may be empty</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="storageCapacitySetting" type="storageQuantityType" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The current setting for storageCapacity (omitted until approved)</xs:documentation> <xs:documentation xml:lang="en">After 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="storageQuantityType" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The requested value for storageCapacity (omitted if no user request was received)</xs:documentation> <xs: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</xs:documentation> <xs:documentation xml:lang="en">Depending on the amount 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="storageQuantityType" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The approved value for storageCapacity (omitted if no sys admin has approved yet)</xs:documentation> <xs:documentation xml:lang="en">Once approved 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></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>	

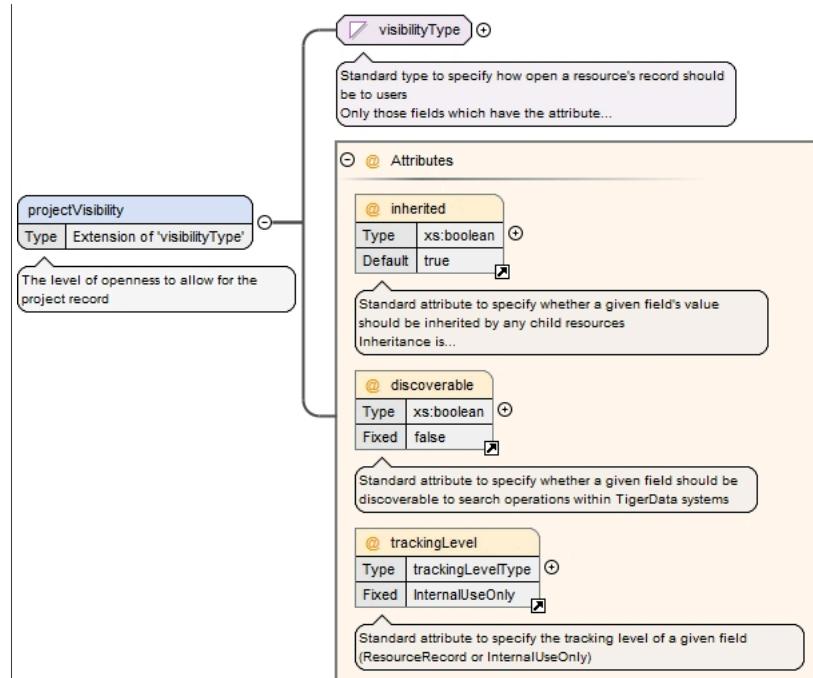
Element storageAndAccess / storageCapacity / approvedValue

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 class storageQuantityType { size : xs:decimal unit : byteUnitType } approvedValue : 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)			
QName	Type	Fixed	Default	Use																																				
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trackingLevel	trackingLevelType	InternalUseOnly		optional																																				
	Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)																																							
Source	<pre> <xs:element name="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

	If no user request was received and no value has yet been approved, then this field may be empty																														
Diagram	<pre> classDiagram class storagePerformance { @ approved : xs:boolean @ inherited : xs:boolean @ discoverable : xs:boolean @ trackingLevel : trackingLevelType } class storagePerformanceSetting { @ type : storagePerformanceType } class requestedValue { @ type : storagePerformanceType } class approvedValue { @ type : storagePerformanceType } storagePerformance "0..1" --> "0..1" storagePerformanceSetting storagePerformance "0..1" --> "0..1" requestedValue storagePerformance "0..1" --> "0..1" approvedValue </pre>																														
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1																								
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minOccurs:	1																														
maxOccurs:	1																														
Model	storagePerformanceSetting{0,1} , requestedValue{0,1} , approvedValue{0,1}																														
Children	approvedValue, requestedValue, storagePerformanceSetting																														
Instance	<pre> <storagePerformance approved="false" discoverable="false" inherited="true" trackingLevel="InternalUseOnly"> <storagePerformanceSetting>{0,1}</storagePerformanceSetting> <requestedValue>{0,1}</requestedValue> <approvedValue>{0,1}</approvedValue> </storagePerformance> </pre>																														
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>approved</td> <td>xs:boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">Standard attribute to specify whether a given field has an approved value Applies to fields which have a request-approval framework, including projectDirectory, storageCapacity, and storagePerformance</td></tr> <tr> <td>discoverable</td> <td>xs:boolean</td> <td>false</td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems</td></tr> <tr> <td>inherited</td> <td>xs:boolean</td> <td></td> <td>true</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	approved	xs:boolean		false	optional		Standard attribute to specify whether a given field has an approved value Applies to fields which have a request-approval framework, including projectDirectory, storageCapacity, and storagePerformance				discoverable	xs:boolean	false		optional		Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems				inherited	xs:boolean		true	optional
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	QName	Type	Fixed	Default	Use	
		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="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 { "Standard type that defines the controlled vocabulary for storage performance values" } requestedValue "0..1" -- "1..1" storagePerformanceType "The requested value for storagePerformance (omitted if no user request was received) This field gets updated when a..." </pre>		
Type	storagePerformanceType		
Properties	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>

		The typical implementation is a network attached storage system, e.g. Dell PowerScale
	enumeration Premium	The most performant storage tier available in TigerData
		Reserved for actively edited data that needs to be close to high performance computing systems, i.e. warm storage
		The typical implementation is a cluster file system, e.g. IBM General Parallel File System
		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>																															
Diagram	<pre> classDiagram class approvedValue { Type storagePerformanceType } class storagePerformanceType approvedValue "0..1" --> "1..1" storagePerformanceType approvedValue <<The approved value for storagePerformance (omitted if no sys admin has approved yet) Once approved, the approved...>> storagePerformanceType <<Standard type that defines the controlled vocabulary for storage performance values>> </pre>																															
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Facets	<table border="1"> <tr> <td>enumeration</td> <td>Eco</td> <td>The most economical storage tier available in TigerData (lowest cost and smallest carbon footprint)</td> </tr> <tr> <td></td> <td></td> <td>Appropriate for long-term/low-use data, i.e. cold storage</td> </tr> <tr> <td></td> <td></td> <td>The typical implementation is an object store system, e.g. IBM Cloud Object Storage</td> </tr> <tr> <td>enumeration</td> <td>Standard</td> <td>The middle storage tier for TigerData, expected as a default</td> </tr> <tr> <td></td> <td></td> <td>Appropriate for data that is accessed occasionally but infrequently edited, i.e. cool storage</td> </tr> <tr> <td></td> <td></td> <td>The typical implementation is a network attached storage system, e.g. Dell PowerScale</td> </tr> <tr> <td>enumeration</td> <td>Premium</td> <td>The most performant storage tier available in TigerData</td> </tr> <tr> <td></td> <td></td> <td>Reserved for actively edited data that needs to be close to high performance computing systems, i.e. warm storage</td> </tr> <tr> <td></td> <td></td> <td>The typical implementation is a cluster file system, e.g. IBM General Parallel File System</td> </tr> <tr> <td></td> <td></td> <td>A special request may be required for this tier</td> </tr> </table>		enumeration	Eco	The most economical storage tier available in TigerData (lowest cost and smallest carbon footprint)			Appropriate for long-term/low-use data, i.e. cold storage			The typical implementation is an object store system, e.g. IBM Cloud Object Storage	enumeration	Standard	The middle storage tier for TigerData, expected as a default			Appropriate for data that is accessed occasionally but infrequently edited, i.e. cool storage			The typical implementation is a network attached storage system, e.g. Dell PowerScale	enumeration	Premium	The most performant storage tier available in TigerData			Reserved for actively edited data that needs to be close to high performance computing systems, i.e. warm storage			The typical implementation is a cluster file system, e.g. IBM General Parallel File System			A special request may be required for this tier
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		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="approvedValue" type="storagePerformanceType" minOccurs="0" maxOccurs="1"> <xs:annotation></pre>																															

```

<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>

```

Element storageAndAccess / numberOfRowsInSection

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 `numberOfFiles` element. It is defined as an extension of `fileEstimateType`. The element has three attributes:</p> <ul style="list-style-type: none"> @inherited: An attribute of type `xs:boolean` with a default value of `false`. A callout box explains that it is a standard attribute to specify whether a given field's value should be inherited by any child resources. @discoverable: An attribute of type `xs:boolean` with a fixed value of `false`. A callout box explains that it is a standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems. @trackingLevel: An attribute of type `trackingLevelType` with a fixed value of `InternalUseOnly`. A callout box explains that it is a standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly). 																																								
Type	extension of fileEstimateType																																								
Type hierarchy	<ul style="list-style-type: none"> • xs:string • fileEstimateType 																																								
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> <tr> <td>default:</td> <td>Less than 10,000</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1	default:	Less than 10,000																																
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minOccurs:	1																																								
maxOccurs:	1																																								
default:	Less than 10,000																																								
Attributes	<table> <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></td> <td></td> <td></td> <td>Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems</td> </tr> <tr> <td>inherited</td> <td>xs:boolean</td> <td>false</td> <td></td> <td>optional</td> </tr> <tr> <td></td> <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></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> <tr> <td>trackingLevel</td> <td>trackingLevelType</td> <td>InternalUseOnly</td> <td></td> <td>optional</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	Default	Use	discoverable	xs:boolean	false		optional					Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems	inherited	xs:boolean	false		optional					Standard attribute to specify whether a given field's value should be inherited by 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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				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="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> </pre>																																								

```

<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 that <code>hpc</code> is 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 brief explanation of its purpose.</p>																																			
Type	extension of <code>hpcType</code>																																			
Type hierarchy	<ul style="list-style-type: none"> • <code>xs:string</code> • <code>hpcType</code> 																																			
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> <tr> <td>default:</td> <td>No</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1	default:	No																											
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minOccurs:	1																																			
maxOccurs:	1																																			
default:	No																																			
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>discoverable</td> <td><code>xs:boolean</code></td> <td>false</td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems</td></tr> <tr> <td>inherited</td> <td><code>xs:boolean</code></td> <td>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 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>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	<code>xs:boolean</code>	false		optional		Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems				inherited	<code>xs:boolean</code>	true		optional		Standard attribute to specify whether a given field's value should be inherited by 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)			
QName	Type	Fixed	Default	Use																																
discoverable	<code>xs:boolean</code>	false		optional																																
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trackingLevel	<code>trackingLevelType</code>	InternalUseOnly		optional																																
	Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)																																			

Source	<pre> <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>				

```

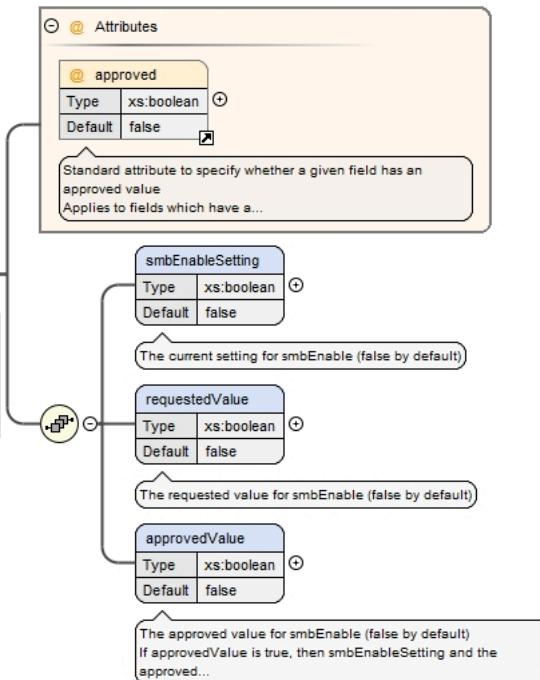
<xs:element name="requestedValue" type="xs:boolean" maxOccurs="1" default="false">
    <xs:annotation>
        <xs:documentation xml:lang="en">The requested value for globusEnable (false by
default)</xs:documentation>
    </xs:annotation>
</xs:element>
<xs:element name="approvedValue" type="xs:boolean" 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



Properties	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"> <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>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><td></td><td></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>												

```

</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	<pre> classDiagram class smbEnableSetting { Type xs:boolean Default false } xs:boolean < -- smbEnableSetting note over xs:boolean: Built-in primitive type. It defines the boolean values true and false. note over smbEnableSetting: The current setting for smbEnable (false by default) </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="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	<pre> classDiagram class requestedValue { Type xs:boolean Default false } xs:boolean < -- requestedValue note over xs:boolean: Built-in primitive type. It defines the boolean values true and false. note over requestedValue: The requested value for smbEnable (false by default) </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"> <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	<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 smbEnable (false by default). If approvedValue is true, then smbEnableSetting and the approved... </pre>
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 : xs:boolean @ globusEnableSetting : xs:boolean @ requestedValue : xs:boolean @ approvedValue : xs:boolean } globusEnable --> globusEnable globusEnable --> globusEnableSetting globusEnable --> requestedValue globusEnable --> approvedValue </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:element>

```

Element storageAndAccess / accessPoints / globusEnable / globusEnableSetting

Namespace	No namespace						
Annotations	The current setting for globusEnable (false by default)						
Diagram	<p>A UML class diagram showing a class named "globusEnableSetting". It has three compartments: "Type" containing "xs:boolean", "Default" containing "false", and a note "The current setting for globusEnable (false by default)". An association line connects "globusEnableSetting" to a "xs:boolean" stereotype, which is described as "Built-in primitive type. It defines the 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="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	<p>A UML class diagram showing a class named "requestedValue". It has three compartments: "Type" containing "xs:boolean", "Default" containing "false", and a note "The requested value for globusEnable (false by default)". An association line connects "requestedValue" to a "xs:boolean" stereotype, which is described as "Built-in primitive type. It defines the 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"> </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							
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							
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><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></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	<pre> classDiagram class globusName { Type textType } class textType { Base Type limitedTextType } class limitedTextType { Specification for the practical limit for text values within textType } class Attributes { @xml:lang Default en Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going... } note Standard type used for free text values </pre>

Type	textType			
Type hierarchy	<ul style="list-style-type: none"> • xs:string • limitedTextType • textType 			
Properties	content: complex minOccurs: 1 maxOccurs: 1			
Attributes	QName xml:lang	Type union of(xs:language, restriction of xs:string)	Default en	Use optional
		<p>Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/lang-tag-apps.htm for further information.</p> <p>The union allows for the 'un-declaration' of xml:lang with the empty string.</p>		
Source	<pre><xs:element name="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>			

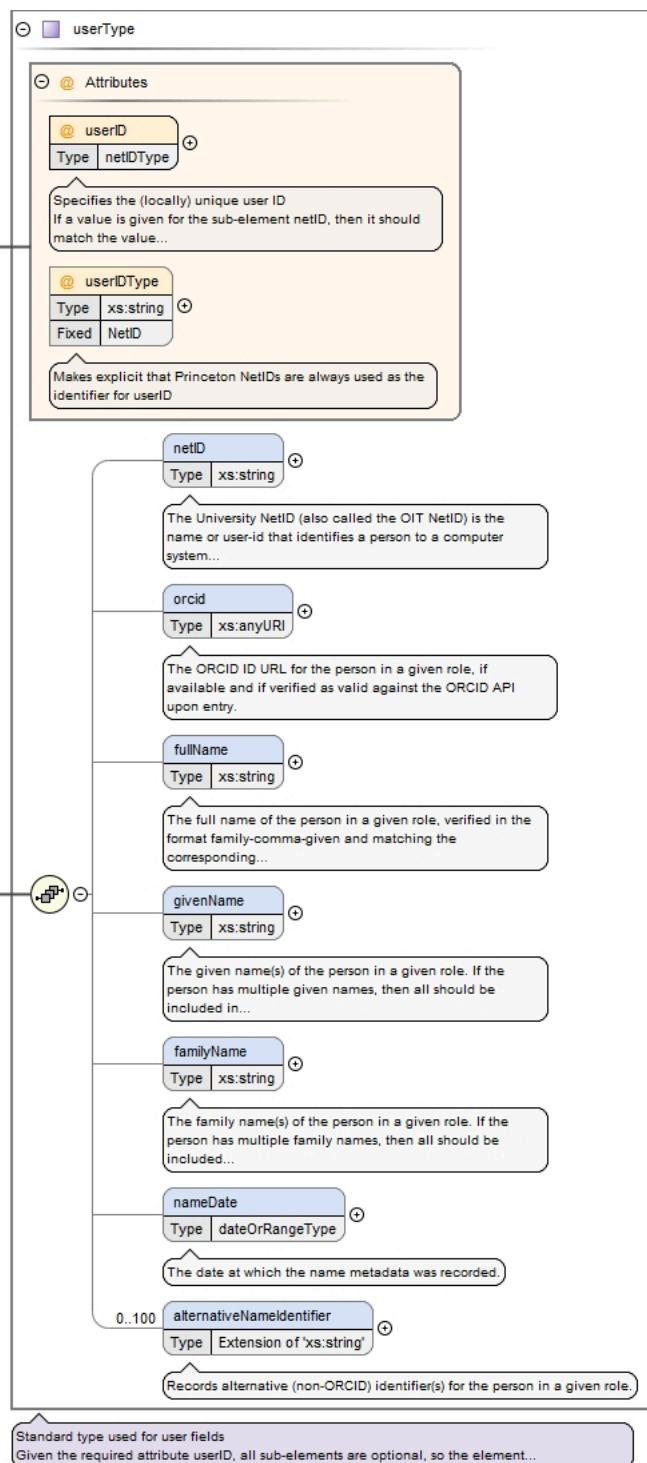
Element storageAndAccess / accessPoints / globusCollection / globusUUID

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	<pre> classDiagram class globusUUID { Type uuidType } class uuidType { * } globusUUID "1" -- "1" uuidType note over globusUUID: The Globus collection universally unique identifier (required) The value is expected to be 32 hexadecimal digits in... note over uuidType: Standard type used for values meant to be Universally Unique Identifiers (e.g., in globusUUID) Restricts to... </pre>			
Type	uuidType			
Properties	content: simple minOccurs: 1 maxOccurs: 1			
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>			

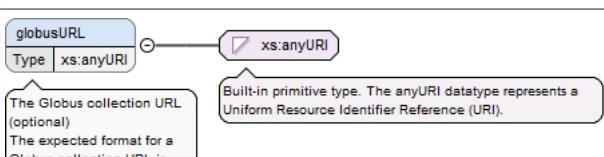
Diagram



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

	<pre><nameDate>{0,1}</nameDate> <alternativeNameIdentifier nameIdentifierScheme="" schemeURI="">{0,100}</ alternativeNameIdentifier> </globusOwner></pre>				
Attributes	QName userID	Type netIDType	Fixed 	Use required	
	<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>				
	userIDType	xs:string	NetID	optional	
	<p>Makes explicit that Princeton NetIDs are always used as the identifier for userID</p>				
Source	<pre><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></pre>				

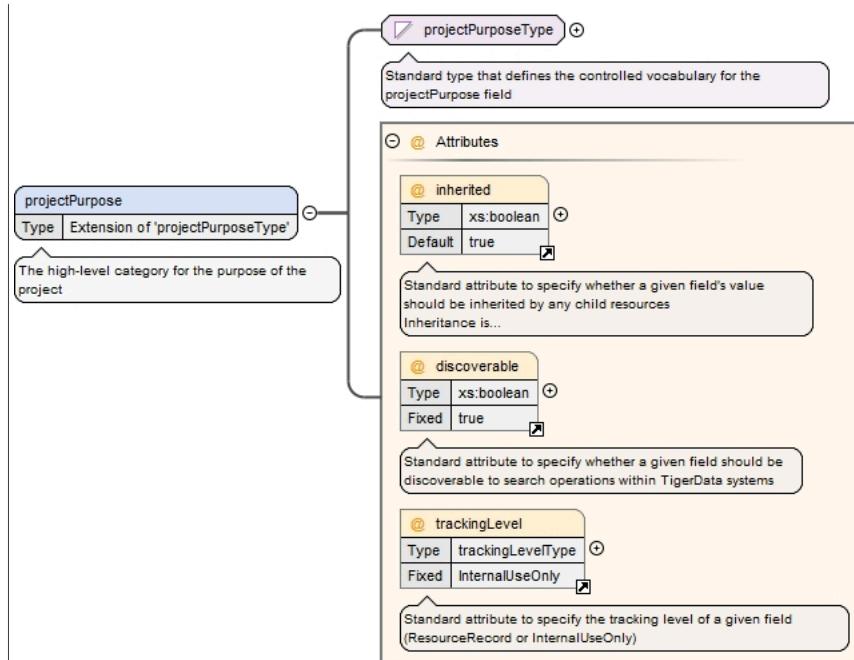
Element storageAndAccess / accessPoints / globusCollection / globusURL

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	
Type	xs:anyURI
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	<pre><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></pre>

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>																																															
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>true</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</td></tr> <tr> <td>trackingLevel</td> <td><code>trackingLevelType</code></td> <td><code>InternalUseOnly</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> </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>	true		optional			Standard attribute to specify whether a given field's value should be inherited by any child resources					trackingLevel	<code>trackingLevelType</code>	<code>InternalUseOnly</code>		optional			Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)				
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Source	<pre> <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: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> </pre>																																															

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 --> xsboolean xsboolean < -- @inherited xsboolean < -- @discoverable xsboolean < -- @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 has three attributes: <code>@inherited</code>, <code>@discoverable</code>, and <code>@trackingLevel</code>. The <code>@inherited</code> attribute is of type <code>xs:boolean</code> with a fixed value of <code>true</code>. The <code>@discoverable</code> attribute is also of type <code>xs:boolean</code> with a fixed value of <code>true</code>. The <code>@trackingLevel</code> attribute is of type <code>trackingLevelType</code> with a fixed value of <code>InternalUseOnly</code>.</p>																																			
Type	extension of <code>xs:boolean</code>																																			
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> <tr> <td>default:</td><td><code>false</code></td></tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1	default:	<code>false</code>																											
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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><code>true</code></td><td>optional</td><td></td></tr> <tr> <td></td><td>Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems</td><td></td><td></td><td></td></tr> <tr> <td>inherited</td><td><code>xs:boolean</code></td><td><code>true</code></td><td>optional</td><td></td></tr> <tr> <td></td><td>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><td></td><td></td><td></td></tr> <tr> <td>trackingLevel</td><td><code>trackingLevelType</code></td><td><code>InternalUseOnly</code></td><td>optional</td><td></td></tr> <tr> <td></td><td>Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)</td><td></td><td></td><td></td></tr> </tbody> </table>	QName	Type	Fixed	Use		discoverable	<code>xs:boolean</code>	<code>true</code>	optional			Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems				inherited	<code>xs:boolean</code>	<code>true</code>	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>InternalUseOnly</code>	optional			Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)			
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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>																																			

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</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	<p>The diagram illustrates the xs:boolean type and its attributes:</p> <ul style="list-style-type: none"> xs:boolean: Built-in primitive type. It defines the boolean values true and false. federallyFunded: Type xs:boolean, Default false. Whether the resource is funded by the U.S. federal government (default false). If true, then at least one... 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... discoverable: Type xs:boolean, Fixed false. Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems. trackingLevel: Type trackingLevelType, Fixed InternalUseOnly. Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly). 																																																		
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	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 structure of the <code>dataUseAgreement</code> element. It is defined as an extension of the <code>xs:boolean</code> type. The element itself is annotated with a note: "Whether a data use agreement applies to the project. If the value is true, then at least one duaReference field must be...". Inside the element definition, there are three attributes:</p> <ul style="list-style-type: none"> @inherited: Type <code>xs:boolean</code>, Default <code>true</code>. Description: Standard attribute to specify whether a given field's value should be inherited by any child resources. Inheritance is... @discoverable: 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. @trackingLevel: Type <code>trackingLevelType</code>, Fixed <code>InternalUseOnly</code>. Description: 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

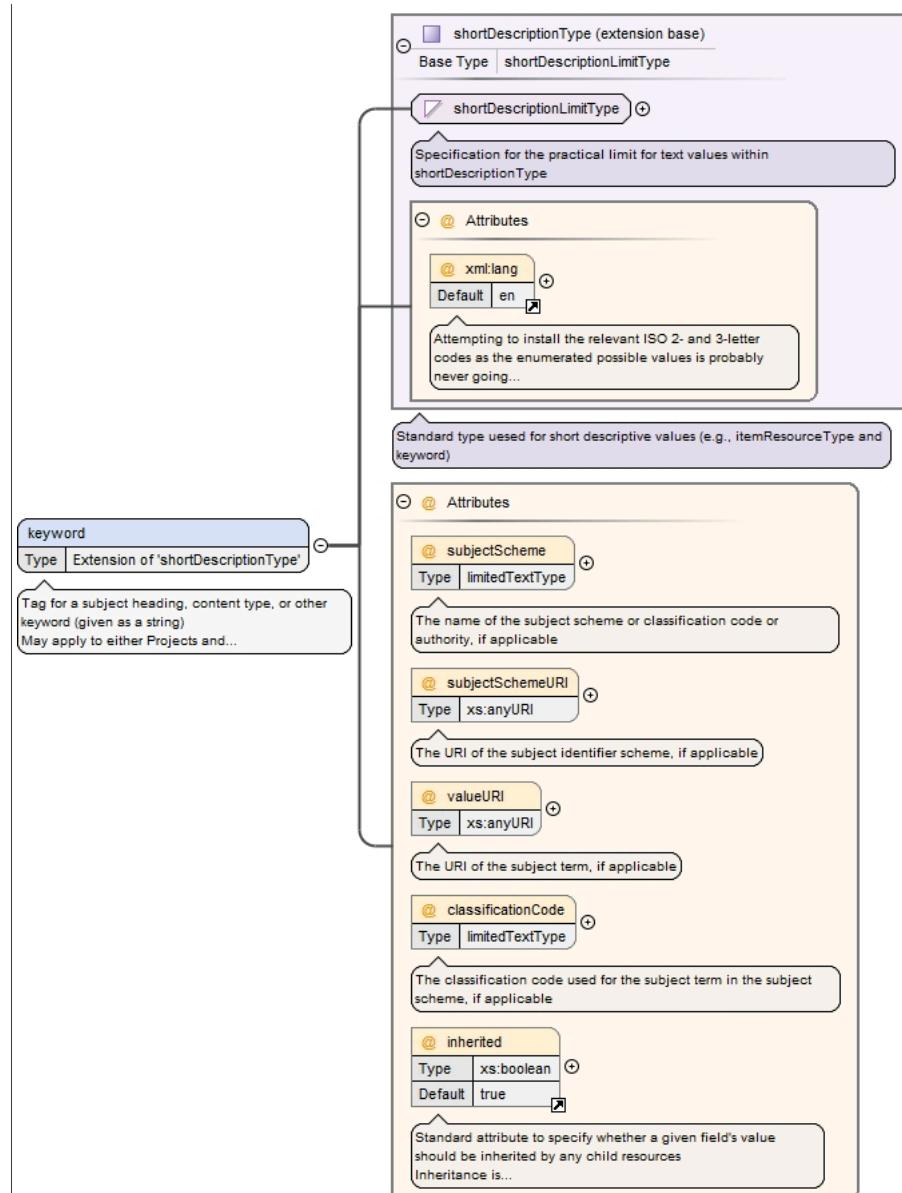
Namespace	No namespace
Annotations	<p>The container element for all keywords for a resource</p> <p>May apply to either Projects or Items</p> <p>If this element is present, then it should contain at least one sub-element</p>
Diagram	<pre> classDiagram class keywords { <<The container element for all keywords 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" subjectScheme="" subjectSchemeURI="" 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 href="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="subjectScheme" type="limitedTextType" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">The name of the subject scheme or classification code or authority, if applicable</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute name="subjectSchemeURI" type="xs:anyURI" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">The URI of the subject identifier scheme, 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 scheme, 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



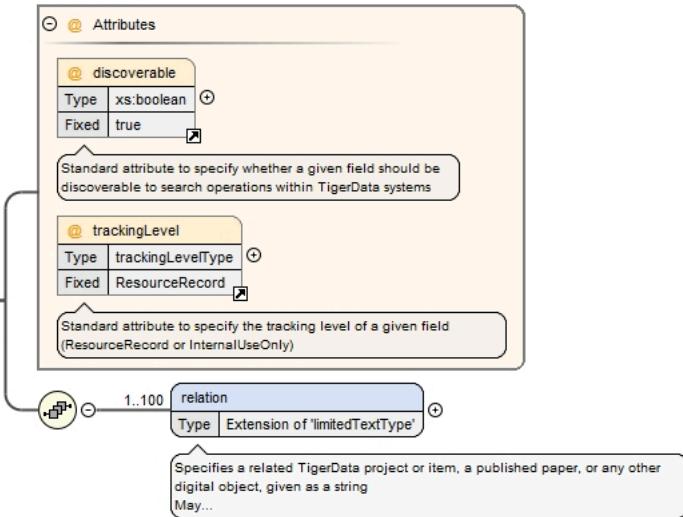
Type	extension of <code>shortDescriptionType</code>																												
Type hierarchy	<ul style="list-style-type: none"> <code>xs:string</code> <code>shortDescriptionLimitType</code> <code>shortDescriptionType</code> 																												
Properties	<p>content: complex</p> <p>minOccurs: 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 scheme, 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 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)</td></tr> <tr> <td></td> <td><code>subjectScheme</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 scheme, 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 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>subjectScheme</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 scheme, 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 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>subjectScheme</code>	<code>limitedTextType</code>		optional																									

QName	Type	Default	Use	
		The name of the subject scheme or classification code or authority, if applicable		
subjectSchemeURI	xs:anyURI		optional	
		The URI of the subject identifier scheme, 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	
		Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/lang-tag-apps.htm for further information. The union allows for the 'un-declaration' of xml:lang with the empty string.		
Source	<pre> <xs:element name="keyword" minOccurs="1" maxOccurs="100"> <xs:annotation> <xs:documentation xml:lang="en">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="subjectScheme" type="limitedTextType" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">The name of the subject scheme or classification code or authority, if applicable</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute name="subjectSchemeURI" type="xs:anyURI" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">The URI of the subject identifier scheme, 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 scheme, 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	<p>The container element for all relations 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

content: complex

minOccurs: 0

maxOccurs: 1

Model

relation{1,100}

Children

relation

Instance

```

<relations discoverable="true" trackingLevel="ResourceRecord">
  <relation inherited="false" relatedIDType="DOI" relatedMetadataScheme="" relatedMetadataSchemeType="" relatedMet...
  relation>
</relations>
  
```

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

```

<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:annotation>
    <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="relatedMetadataScheme" type="limitedTextType" use="optional">
                <xs:annotation>
                  <xs:documentation xml:lang="en">The name of the related metadata scheme, 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="relatedMetadataSchemeURI" type="xs:anyURI" use="optional">
            
```

```

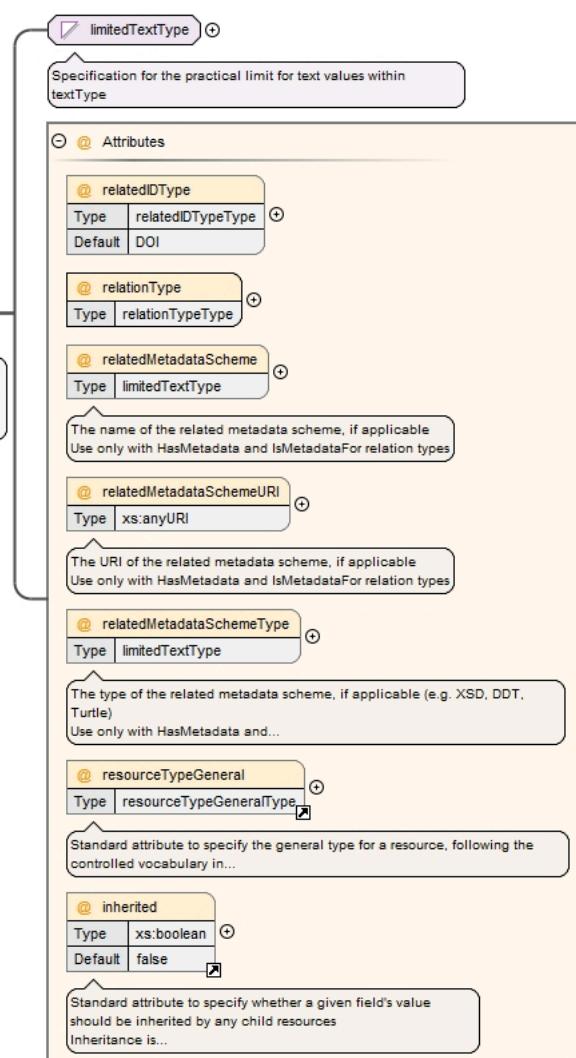
<xs:annotation>
    <xs:documentation xml:lang="en">The URI of the related metadata scheme, if applicable</xs:documentation>
        <xs:documentation xml:lang="en">Use only with HasMetadata and IsMetadataFor relation types</xs:documentation>
            </xs:annotation>
        </xs:attribute>
    <xs:attribute name="relatedMetadataSchemeType" type="limitedTextType" use="optional">
        <xs:annotation>
            <xs:documentation xml:lang="en">The type of the related metadata scheme, 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>relatedMetadataScheme</td> <td>limitedTextType</td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="3">The name of the related metadata scheme, if applicable Use only with HasMetadata and IsMetadataFor relation types</td></tr> <tr> <td>relatedMetadataSchemeType</td> <td>limitedTextType</td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="3">The type of the related metadata scheme, 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	relatedMetadataScheme	limitedTextType		optional		The name of the related metadata scheme, if applicable Use only with HasMetadata and IsMetadataFor relation types			relatedMetadataSchemeType	limitedTextType		optional		The type of the related metadata scheme, if applicable (e.g. XSD, DDT, Turtle) Use only with HasMetadata and IsMetadataFor relation types		
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																																	
relatedMetadataScheme	limitedTextType		optional																																	
	The name of the related metadata scheme, if applicable Use only with HasMetadata and IsMetadataFor relation types																																			
relatedMetadataSchemeType	limitedTextType		optional																																	
	The type of the related metadata scheme, if applicable (e.g. XSD, DDT, Turtle) Use only with HasMetadata and IsMetadataFor relation types																																			

QName	Type	Default	Use	
relatedMetadataSchemeURI	xs:anyURI		optional	
	The URI of the related metadata scheme, 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="relatedMetadataScheme" type="limitedTextType" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">The name of the related metadata scheme, 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="relatedMetadataSchemeURI" type="xs:anyURI" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">The URI of the related metadata scheme, 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="relatedMetadataSchemeType" type="limitedTextType" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">The type of the related metadata scheme, 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	The container element for all extended metadata schemas for a resource, if applicable 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 extendedMetadataSchemas { @discoverable @trackingLevel <extendedMetadataSchema * --> extendedMetadataSchema } class extendedMetadataSchema { <!-- Extension of 'limitedTextType' --> } extendedMetadataSchemas "1..100" -- "1..100" extendedMetadataSchema </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	extendedMetadataSchema{1,100}																				
Children	extendedMetadataSchema																				
Instance	<pre> <extendedMetadataSchemas discoverable="false" trackingLevel="InternalUseOnly"> <extendedMetadataSchema inherited="false">{1,100}</extendedMetadataSchema> </extendedMetadataSchemas> </pre>																				
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Use</th></tr> </thead> <tbody> <tr> <td>discoverable</td><td>xs:boolean</td><td>false</td><td>optional</td></tr> <tr> <td></td><td></td><td>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>InternalUseOnly</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	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

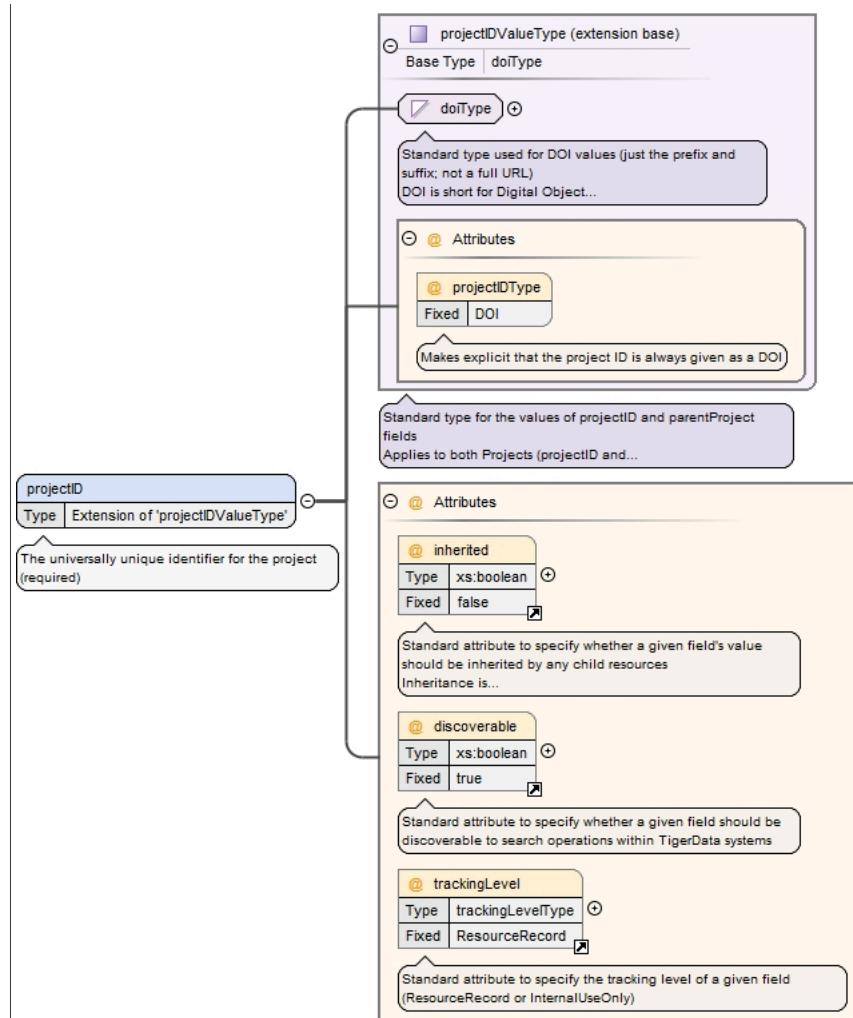
Namespace	No namespace
Annotations	An indication of which TigerData supported metadata schemas should apply to a resource (given as a string)

	<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> <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> <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	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)	
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="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 Inheritance is limited to the applicability of the field to the child resource (e.g., researchDomain may be inherited by a subproject but not an item)</td></tr> <tr> <td>projectIDType</td> <td></td> <td>DOI</td> <td>optional</td> </tr> <tr> <td></td> <td colspan="3">Makes explicit that the project ID is always given as a DOI</td></tr> <tr> <td>trackingLevel</td> <td>trackingLevelType</td> <td>ResourceRecord</td> <td>optional</td> </tr> <tr> <td></td> <td colspan="3">Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)</td></tr> </tbody> </table>				QName	Type	Fixed	Use	discoverable	xs:boolean	true	optional		Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems			inherited	xs:boolean	false	optional		Standard attribute to specify whether a given field's value should be inherited by 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																																					
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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 } class submission class revisions class retirement class publication class status { Type: string Extension of 'statusType' Default: AdminReview } class schemaVersion { Type: string Extension of 'limitedTextType' } projectProvenance "1" *-- "0..1" submission projectProvenance "1" *-- "0..1" revisions projectProvenance "1" *-- "0..1" retirement projectProvenance "1" *-- "0..1" publication projectProvenance "1" *-- "0..1" status projectProvenance "1" *-- "0..1" 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>. The <code>status</code> field is defined with a type of string and is an extension of the <code>'statusType'</code>. The <code>schemaVersion</code> field is also defined with a type of string and is an extension of the <code>'limitedTextType'</code>.</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>

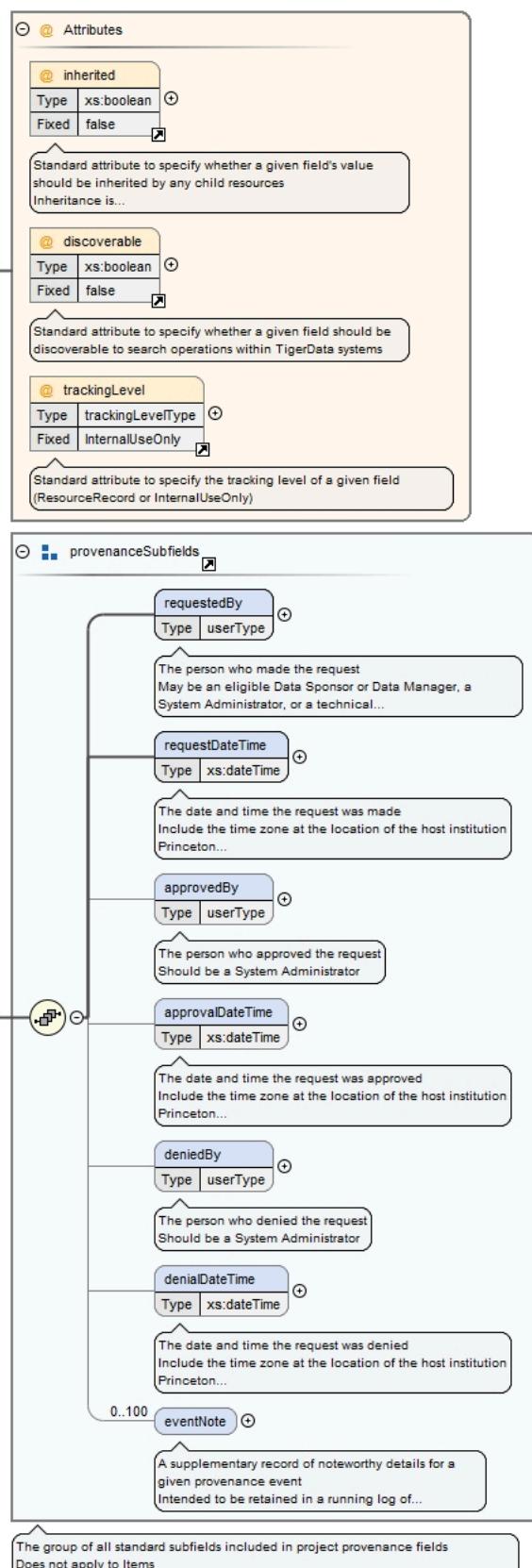
```

	<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	<p>content: complex</p> <p>minOccurs: 1</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><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																													
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	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

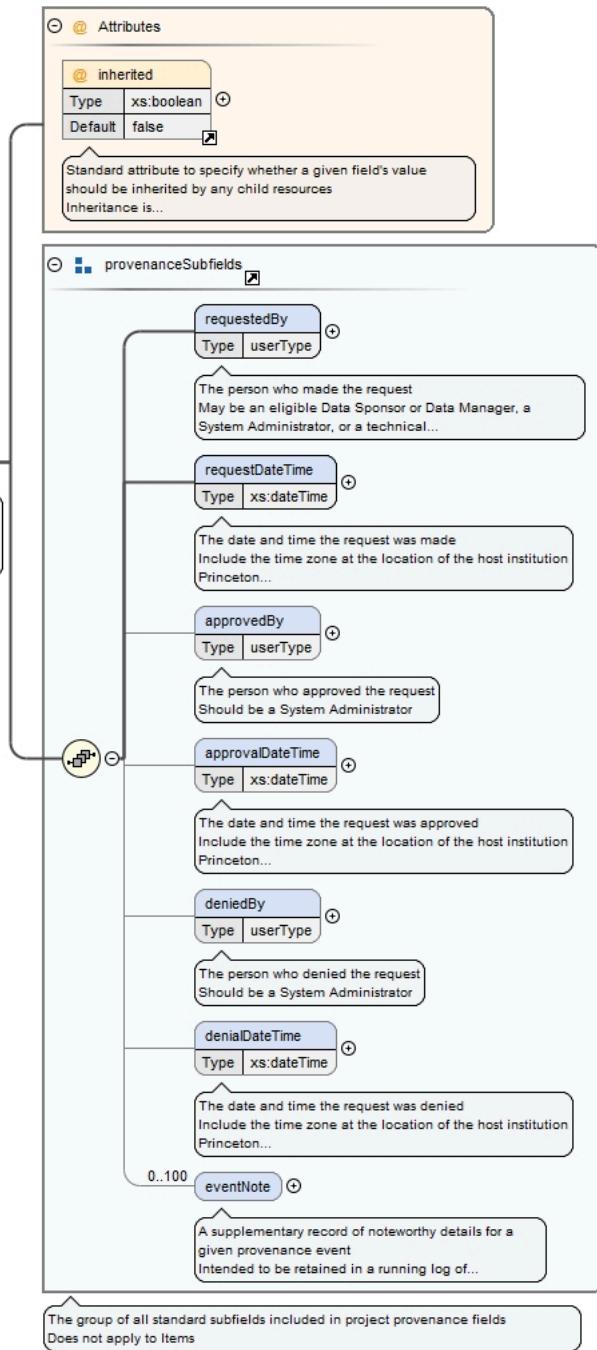
Namespace	No namespace						
Annotations	The container element for all revision records, if applicable						
Diagram	<pre> classDiagram class revisions { <<The container element for all revision records, if applicable>> <<A record of a major revision to an active project>> <<1..100 revision>> <<Standard 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)>> } </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



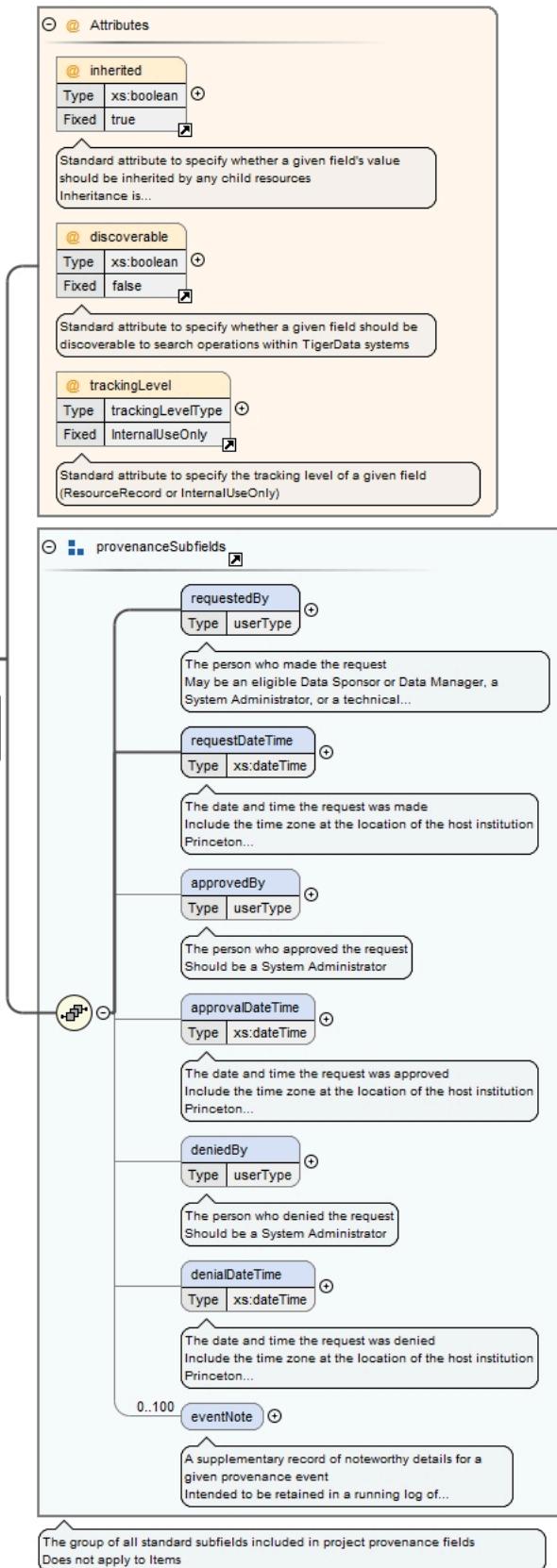
Properties	<p>content: complex</p> <p>minOccurs: 1</p> <p>maxOccurs: 100</p>
Model	<code>requestedBy , requestDateTime , approvedBy{0,1} , approvalDateTime{0,1} , deniedBy{0,1} , denialDateTime{0,1} , event-Note{0,100}</code>
Children	approvalDateTime, approvedBy, denialDateTime, deniedBy, eventNote,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

Attributes	QName	Type	Default	Use	
	inherited	xs:boolean	false	optional	
	Standard attribute to specify whether a given field's value should be inherited by 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

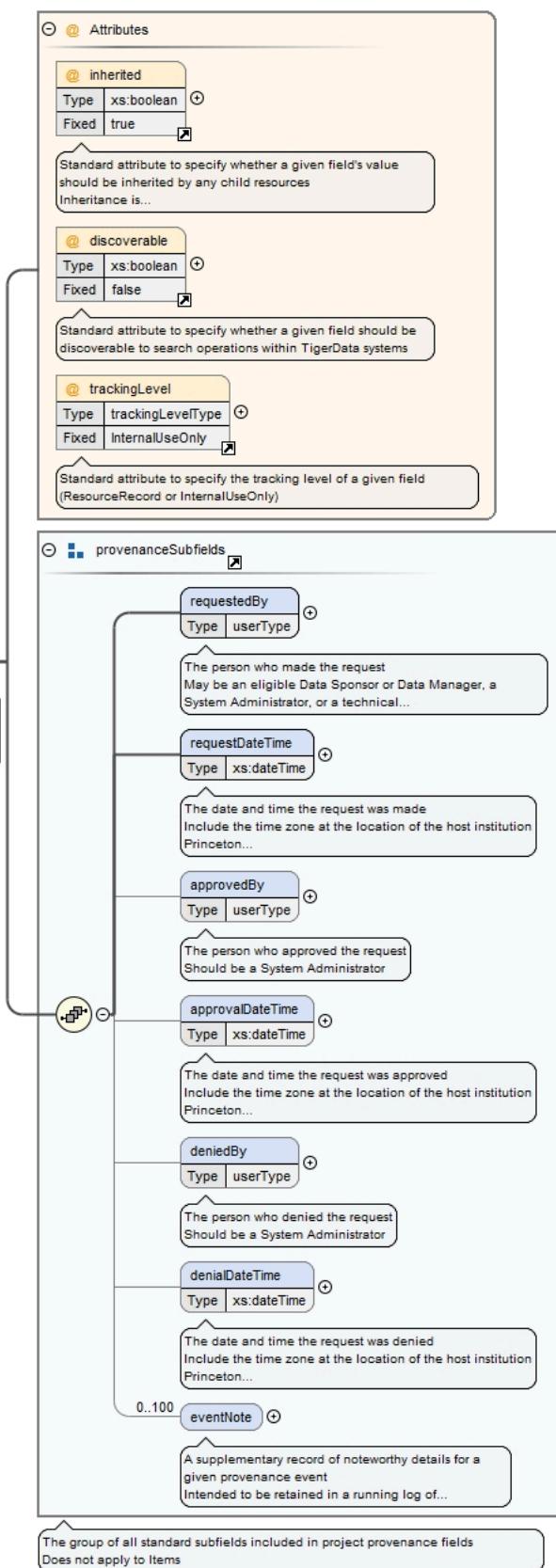
maxOccurs: 1

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> <th></th> </tr> </thead> <tbody> <tr> <td>discoverable</td> <td>xs:boolean</td> <td>false</td> <td>optional</td> <td></td> </tr> <tr> <td></td> <td colspan="4">Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems</td></tr> <tr> <td>inherited</td> <td>xs:boolean</td> <td>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 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>optional</td> <td></td> </tr> <tr> <td></td> <td colspan="4">Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)</td></tr> </tbody> </table>	QName	Type	Fixed	Use		discoverable	xs:boolean	false	optional			Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems				inherited	xs:boolean	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)						
QName	Type	Fixed	Use																																				
discoverable	xs:boolean	false	optional																																				
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trackingLevel	trackingLevelType	InternalUseOnly	optional																																				
	Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)																																						
Source	<pre><xss:element name="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 Type: xs:boolean Default: false @discoverable Type: xs:boolean Fixed: true @trackingLevel Type: trackingLevelType Fixed: InternalUseOnly <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</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				trackingLevel	trackingLevelType	InternalUseOnly		optional		Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)			
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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

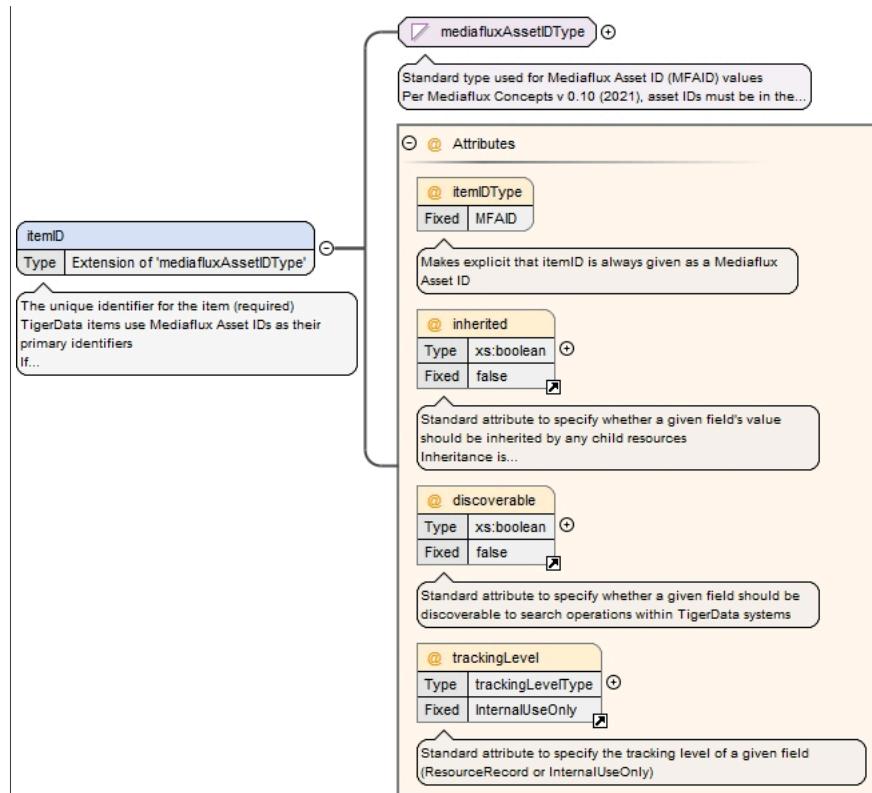
Namespace	No namespace
Annotations	The version of the TigerData Standard Metadata Schema used (required)
Diagram	<pre> classDiagram class schemaVersion { <<Extension of 'limitedTextType'>> <<The version of the TigerData Standard Metadata Schema used (required)>> } limitedTextType { <<Specification for the practical limit for text values within textType>> } schemaVersion < -- limitedTextType class Attributes { <<@ Attributes>> class 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...>> } class discoverable { Type: xs:boolean Fixed: true <<Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems>> } class trackingLevel { Type: trackingLevelType Fixed: InternalUseOnly <<Standard attribute to specify the tracking level of a given field
(ResourceRecord or InternalUseOnly)>> } } </pre>

Type	extension of limitedTextType																																															
Type hierarchy	<ul style="list-style-type: none"> • xs:string • limitedTextType 																																															
Properties	content: complex minOccurs: 1 maxOccurs: 1																																															
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>discoverable</td> <td>xs:boolean</td> <td>true</td> <td></td> <td>optional</td> <td></td> </tr> <tr> <td></td> <td colspan="5">Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems</td></tr> <tr> <td>inherited</td> <td>xs:boolean</td> <td></td> <td>true</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</td></tr> <tr> <td>trackingLevel</td> <td>trackingLevelType</td> <td>InternalUseOnly</td> <td></td> <td>optional</td> <td></td> </tr> <tr> <td></td> <td colspan="5">Standard attribute to specify the tracking level of a given field (ResourceRecord or InternalUseOnly)</td></tr> </tbody> </table>						QName	Type	Fixed	Default	Use		discoverable	xs:boolean	true		optional			Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems					inherited	xs:boolean		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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Source	<pre><xs:element name="schemaVersion" maxOccurs="1" minOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The version of the TigerData Standard Metadata Schema used (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



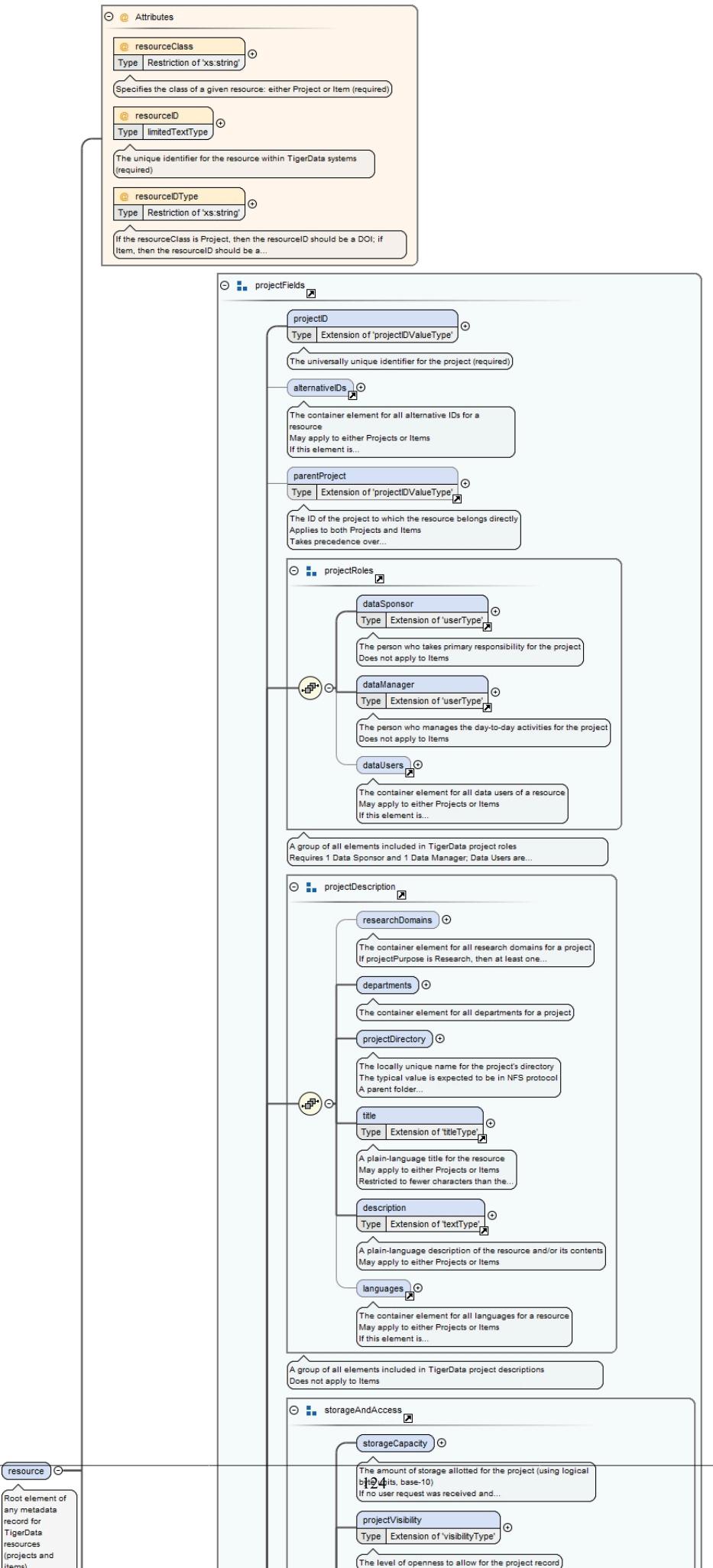
Type	extension of mediafluxAssetIDType																																							
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • mediafluxAssetIDType 																																							
Properties	<p>content: complex</p> <p>minOccurs: 1</p> <p>maxOccurs: 1</p>																																							
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> <xss:element name="itemID" minOccurs="1" maxOccurs="1"> <xss:annotation> <xss:documentation xml:lang="en">The unique identifier for the item (required)</xss:documentation> <xss:documentation xml:lang="en">TigerData items use Mediaflux Asset IDs as their primary identifiers</xss:documentation> <xss:documentation xml:lang="en">If an item also has any other IDs, they all should be included under alternativeIDs</xss:documentation> </xss:annotation> <xss:complexType> <xss:simpleContent> <xss:extension base="mediafluxAssetIDType"> <xss:attribute name="itemIDType" fixed="MFAID"> <xss:annotation> </pre>																																							

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

Element resource

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

Diagram



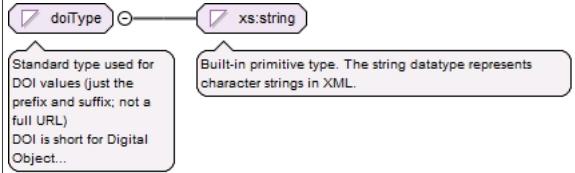
Properties	content: complex
Model	((projectID , alternativeIDs {0,1} , parentProject {0,1} , dataSponsor , dataManager , dataUsers {0,1} , researchDomains {0,1} , departments , projectDirectory , title , description , languages {0,1} , storageCapacity , projectVisibility , storagePerformance , numberOffiles , hpc , 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	Type	Use	
	resourceClass	restriction of xs:string	required	
		Specifies the class of a given resource: either Project or Item (required)		
	resourceID	limitedTextType	required	
		The unique identifier for the resource within TigerData systems (required)		
	resourceIDType	restriction of xs:string	required	
		If the resourceClass is Project, then the resourceID should be a DOI; if Item, then the resourceID should be a Mediaflux AssetID (MFAID)		
Source	<pre><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>			

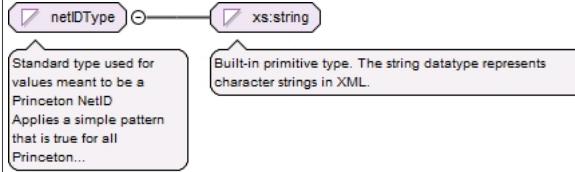
Simple Type(s)

Simple Type doiType

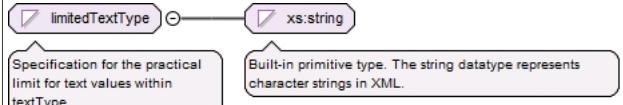
Namespace	No namespace
Annotations	<p>Standard type used for DOI values (just the prefix and suffix; not a full URL)</p> <p>DOI is short for Digital Object Identifier</p> <p>Applies a pattern aligned with ISO 26324:2022, allowing any suffix that doesn't have whitespace and doesn't end with unexpected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

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

Simple Type netIDType

Namespace	No namespace
Annotations	<p>Standard type used for values meant to be a Princeton NetID</p> <p>Applies a simple pattern 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	Attribute userType/@userID
Source	<pre><xs:simpleType name="netIDType"> <xs:annotation> <xs:documentation xml:lang="en">Standard type used for values meant to be a Princeton NetID</xs:documentation> <xs:documentation xml:lang="en">Applies a simple pattern 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 limitedTextType

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

Facets	minLength	1
	maxLength	1000
Used by	Complex Type	textType
	Elements	alternativeID, projectFields/projectProvenance/schemaVersion, supplementalMetadata/extendedMeta- dataSchemas/extendedMetadataSchema, supplementalMetadata/relations/relation
	Attributes	alternativeID/@alternativeIDType, resource/@resourceID, supplementalMetadata/keywords/keyword- word/@classificationCode, supplementalMetadata/keywords/keyword/@subjectScheme, supplemental- Metadata/relations/relation/@relatedMetadataSchema, supplementalMetadata/relations/relation/@relat- edMetadataSchemaType
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 limitedTextType

Namespace	No namespace				
Annotations	Specification for the practical limit for text values within titleType				
Diagram	<p>The diagram shows a directed association between two classes: <code>limitedTitleType</code> and <code>xs:string</code>. The association is marked with a hollow diamond symbol at the <code>limitedTitleType</code> end, indicating it is a generalization relationship. A double-headed arrow connects the two classes.</p>				
Type	restriction of xs:string				
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>200</td> </tr> </table>	minLength	1	maxLength	200
minLength	1				
maxLength	200				
Used by	Complex Type titleType				
Source	<pre><xs:simpleType name="limitedTitleType"> <xs:annotation> <xs:documentation xml:lang="en">Specification for the practical limit for text values within titleType</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="200"/> </xs:restriction> </xs:simpleType></pre>				

Simple Type shortDescriptionLimitType

Namespace	No namespace				
Annotations	Specification for the practical limit for text values within shortDescriptionType				
Diagram	<p>The diagram shows a directed association between two classes: <code>shortDescriptionLimitType</code> and <code>xs:string</code>. The association is marked with a hollow diamond symbol at the <code>shortDescriptionLimitType</code> end, indicating it is a generalization relationship. A double-headed arrow connects the two classes.</p>				
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><xs:simpleType name="shortDescriptionLimitType"> <xs:annotation> <xs:documentation xml:lang="en">Specification for the practical limit for text values within shortDescriptionType</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"></pre>				

```
    <xs:minLength value="1" />
    <xs:maxLength value="60" />
  </xs:restriction>
</xs:simpleType>
```

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 pathSafeType < -- xs:string </pre> <p>pathSafeType is a restriction of xs:string.</p> <p>pathSafeType annotations:</p> <ul style="list-style-type: none"> Standard type used within pathType to prevent invalid entries Restricts to alphanumeric characters, underscore, forward... <p>xs:string annotations:</p> <ul style="list-style-type: none"> Built-in primitive type. The string datatype represents character strings in XML.
Type	restriction of xs:string
Facets	pattern [\w\\/: -]{18,128}
Used by	Complex Type pathType
Source	<pre> <xs:simpleType name="pathSafeType"> <xs:annotation> <xs:documentation xml:lang="en">Standard type used within pathType to prevent invalid entries</xs:documentation> <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> </pre>

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 uuidType { <<Standard type used for values meant to be Universally Unique Identifiers (e.g., in globusUUID) Restricts to...>> } class xsString { <<Built-in primitive type. The string datatype represents character strings in XML.>> } uuidType "1" --> "1" uuidType uuidType "1" --> xsString </pre>
Type	restriction of <code>xs:string</code>
Facets	pattern <code>[\w-]{32,36}</code>
Used by	Element <code>storageAndAccess/accessPoints/globusCollection/globusUUID</code>
Source	<pre> <xs:simpleType name="uuidType"> <xs:annotation> </pre>

```

<xss:documentation xml:lang="en">Standard type used for values meant to be Universally Unique  

Identifiers (e.g., in globusUUID)</xss:documentation>
<xss:documentation xml:lang="en">Restricts to alphanumeric characters and minus-dashes, with a  

length ranging from 32 to 36</xss:documentation>
<xss: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</xss:documentation>
</xss:annotation>
<xss:restriction base="xss:string">
<xss:pattern value="[\w-]{32,36}" />
</xss:restriction>
</xss:simpleType>

```

Simple Type byteUnitType

Namespace	No namespace																			
Annotations	<p>Standard type that defines the controlled vocabulary for byte units in storageQuantityType</p> <p>All byte units are base-10, not base-2</p>																			
Diagram	<pre> classDiagram class byteUnitType { <<Standard type that defines the controlled vocabulary for byte units in storageQuantityType>> <<All byte units are base-10,...>> } class xs:string byteUnitType --> xs:string </pre> <p>Standard type that defines the controlled vocabulary for byte units in storageQuantityType</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p> <p>All byte units are base-10,....</p>																			
Type	restriction of xs:string																			
Facets	<table> <tr> <td>enumeration</td> <td>B</td> <td>Bytes (B)</td> </tr> <tr> <td>enumeration</td> <td>KB</td> <td>Kilobytes (KB)</td> </tr> <tr> <td>enumeration</td> <td>MB</td> <td>Megabytes (MB)</td> </tr> <tr> <td>enumeration</td> <td>GB</td> <td>Gigabytes (GB)</td> </tr> <tr> <td>enumeration</td> <td>TB</td> <td>Terabytes (TB)</td> </tr> <tr> <td>enumeration</td> <td>PB</td> <td>Petabytes (PB)</td> </tr> </table>		enumeration	B	Bytes (B)	enumeration	KB	Kilobytes (KB)	enumeration	MB	Megabytes (MB)	enumeration	GB	Gigabytes (GB)	enumeration	TB	Terabytes (TB)	enumeration	PB	Petabytes (PB)
enumeration	B	Bytes (B)																		
enumeration	KB	Kilobytes (KB)																		
enumeration	MB	Megabytes (MB)																		
enumeration	GB	Gigabytes (GB)																		
enumeration	TB	Terabytes (TB)																		
enumeration	PB	Petabytes (PB)																		
Used by	Element	storageQuantityType/unit																		
Source	<pre> <xss:simpleType name="byteUnitType"> <xss:annotation> <xss:documentation xml:lang="en">Standard type that defines the controlled vocabulary for byte units in storageQuantityType</xss:documentation> <xss:documentation xml:lang="en">All byte units are base-10, not base-2</xss:documentation> </xss:annotation> <xss:restriction base="xss:string"> <xss:enumeration value="B" xml:lang="en"> <xss:annotation> <xss:documentation xml:lang="en">Bytes (B)</xss:documentation> </xss:annotation> </xss:enumeration> <xss:enumeration value="KB" xml:lang="en"> <xss:annotation> <xss:documentation xml:lang="en">Kilobytes (KB)</xss:documentation> </xss:annotation> </xss:enumeration> <xss:enumeration value="MB" xml:lang="en"> <xss:annotation> <xss:documentation xml:lang="en">Megabytes (MB)</xss:documentation> </xss:annotation> </xss:enumeration> <xss:enumeration value="GB" xml:lang="en"> <xss:annotation> <xss:documentation xml:lang="en">Gigabytes (GB)</xss:documentation> </xss:annotation> </xss:enumeration> <xss:enumeration value="TB" xml:lang="en"> <xss:annotation> <xss:documentation xml:lang="en">Terabytes (TB)</xss:documentation> </xss:annotation> </xss:enumeration> <xss:enumeration value="PB" xml:lang="en"> <xss:annotation> <xss:documentation xml:lang="en">Petabytes (PB)</xss:documentation> </xss:annotation> </xss:enumeration> </xss:restriction> </xss:simpleType> </pre>																			

Simple Type dateOrRangeType

Namespace	No namespace
Annotations	<p>Standard type used for values that may be either dates or date ranges</p> <p>Applies a pattern aligned with RKMS-ISO8601</p> <p>https://www.ukoln.ac.uk/metadata/dcmi/collection-RKMS-ISO8601/</p>
Diagram	<pre> classDiagram dateOrRangeType < -- xs:string </pre> <p>Standard type used for values that may be either dates or date ranges Applies a pattern aligned with...</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	restriction of xs:string
Facets	<p>pattern</p> $\d{4}-(0[1-9] 1[0-2])-\\(0[1-9] 12)[0-9] 3[01])\\(\d{4}-(0[1-9] 1[0-2])-\\(0[1-9] 12)[0-9] 3[01]))?$
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] 12)[0-9] 3[01])\\(\d{4}-(0[1-9] 1[0-2])-\\(0[1-9] 12)[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	<pre> classDiagram trackingLevelType < -- xs:string </pre> <p>Standard type that defines the controlled vocabulary for the trackingLevel attribute</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>						
Type	restriction of xs:string						
Facets	<table border="0"> <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	<pre> classDiagram class departmentCodeType class xsString departmentCodeType < -- xsString </pre> <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	<pre> classDiagram class protocolType class xsString protocolType < -- xsString </pre> <p>Standard type that defines the controlled vocabulary for the protocol attribute in pathType</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>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>												

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

Simple Type `resourceTypeGeneralType`

Namespace	No namespace																																																				
Annotations	<p>Standard type that defines the controlled vocabulary for <code>resourceTypeGeneral</code> values</p> <p>Applies to both Projects and Items</p> <p>TigerData projects and subprojects should always use the standard type <code>Project</code></p> <p>Derived from the DataCite controlled vocabulary for <code>resourceTypeGeneral</code> (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: <code>README</code> and <code>DataDocumentation</code></p> <p>For labeling an item as a Data Management Plan (DMP), use the DataCite standard type <code>OutputManagementPlan</code></p>																																																				
Diagram	<pre> classDiagram class resourceTypeGeneralType { <<Standard type that defines the controlled vocabulary for resourceTypeGeneral values Applies to both Projects and...>> } class xs_string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } resourceTypeGeneralType < -- xs_string </pre>																																																				
Type	restriction of <code>xs:string</code>																																																				
Facets	<table border="1"> <tbody> <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, grant, investment, sponsorship, scholarship, recognition, or non-monetary materials.</td> </tr> <tr> <td>enumeration</td> <td>Book</td> <td>A medium for recording information in the form of writing or images, typically composed of many pages bound together and protected by a cover.</td> </tr> <tr> <td>enumeration</td> <td>BookChapter</td> <td>One of the main divisions of a book.</td> </tr> <tr> <td>enumeration</td> <td>Collection</td> <td>An aggregation of resources, which may encompass collections of one <code>resourceType</code> as well as those of mixed types. A collection is described as a group; its parts may also be separately described.</td> </tr> <tr> <td>enumeration</td> <td>ComputationalNotebook</td> <td>A virtual notebook environment used for literate programming.</td> </tr> <tr> <td>enumeration</td> <td>ConferencePaper</td> <td>Article that is written with the goal of being accepted to a conference.</td> </tr> <tr> <td>enumeration</td> <td>ConferenceProceeding</td> <td>Collection of academic papers published in the context of an academic conference.</td> </tr> <tr> <td>enumeration</td> <td>DataPaper</td> <td>A factual and objective publication with a focused intent to identify and describe specific data, sets of data, or data collections to facilitate discoverability.</td> </tr> <tr> <td>enumeration</td> <td>Dataset</td> <td>Data encoded in a defined structure.</td> </tr> <tr> <td>enumeration</td> <td>Dissertation</td> <td>A written essay, treatise, or thesis, especially one written by a candidate for the degree of Doctor of Philosophy.</td> </tr> <tr> <td>enumeration</td> <td>Event</td> <td>A non-persistent, time-based occurrence.</td> </tr> <tr> <td>enumeration</td> <td>Image</td> <td>A visual representation other than text.</td> </tr> <tr> <td>enumeration</td> <td>Instrument</td> <td>A device, tool or apparatus used to obtain, measure and/or analyze data.</td> </tr> <tr> <td>enumeration</td> <td>InteractiveResource</td> <td>A resource requiring interaction from the user to be understood, executed, or experienced.</td> </tr> <tr> <td>enumeration</td> <td>Journal</td> <td>A scholarly publication consisting of articles that is published regularly throughout the year.</td> </tr> <tr> <td>enumeration</td> <td>JournalArticle</td> <td>A written composition on a topic of interest, which forms a separate part of a journal.</td> </tr> </tbody> </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, 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 <code>resourceType</code> 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.
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	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></pre>

```

<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: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 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	<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"> <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-nd-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> </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-nd-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-nd-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:documentation xml:lang="en">CC0 1.0</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="https://creativecommons.org/licenses/by/4.0/"> <xs:annotation> <xs:documentation xml:lang="en">Creative Commons Attribution 4.0 International</xs:documentation> <xs:documentation xml:lang="en">CC BY 4.0</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="https://creativecommons.org/licenses/by-sa/4.0/"> <xs:annotation> <xs:documentation xml:lang="en">Creative Commons Attribution-Sharealike 4.0 International</xs:documentation> <xs:documentation xml:lang="en">CC BY-SA 4.0</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="https://creativecommons.org/licenses/by-nc/4.0/"> <xs:annotation> <xs:documentation xml:lang="en">Creative Commons Attribution-Noncommercial 4.0 International</xs:documentation> <xs:documentation xml:lang="en">CC BY-NC 4.0</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="https://creativecommons.org/licenses/by-nc-sa/4.0/"> <xs:annotation> <xs:documentation xml:lang="en">Creative Commons Attribution-Noncommercial-Sharealike 4.0 International</xs:documentation> <xs:documentation xml:lang="en">CC BY-NC-SA 4.0</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType> </pre>																								

```

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

```

Simple Type licenseIDType

Namespace	No namespace																								
Annotations	Standard type that defines the controlled vocabulary for the licenseID attribute All standard specifications for licenses are drawn from https://spdx.org/licenses/																								
Diagram	<pre> classDiagram class licenseIDType { <<Standard type that defines the controlled vocabulary for the licenseID attribute<> <<All standard specifications for...>> } class xs { <<Built-in primitive type. The string datatype represents character strings in XML.>> } licenseIDType --o xs </pre>																								
Type	restriction of xs:string																								
Facets	<table border="1"> <tbody> <tr> <td>enumeration</td> <td>CC0 1.0</td> <td>Creative Commons Public Domain Dedication 1.0 Universal https://creativecommons.org/publicdomain/zero/1.0/</td> </tr> <tr> <td>enumeration</td> <td>CC BY 4.0</td> <td>Creative Commons Attribution 4.0 International https://creativecommons.org/licenses/by/4.0/</td> </tr> <tr> <td>enumeration</td> <td>CC BY-SA 4.0</td> <td>Creative Commons Attribution-Sharealike 4.0 International https://creativecommons.org/licenses/by-sa/4.0/</td> </tr> <tr> <td>enumeration</td> <td>CC BY-NC 4.0</td> <td>Creative Commons Attribution-Noncommercial 4.0 International https://creativecommons.org/licenses/by-nc/4.0/</td> </tr> <tr> <td>enumeration</td> <td>CC BY-NC-SA 4.0</td> <td>Creative Commons Attribution-Noncommercial-Sharealike 4.0 International https://creativecommons.org/licenses/by-nc-sa/4.0/</td> </tr> <tr> <td>enumeration</td> <td>CC BY-ND 4.0</td> <td>Creative Commons Attribution-Noderivatives 4.0 International https://creativecommons.org/licenses/by-nd/4.0/</td> </tr> <tr> <td>enumeration</td> <td>CC BY-NC-ND 4.0</td> <td>Creative Commons Attribution-Noncommercial-Noderivatives 4.0 International https://creativecommons.org/licenses/by-nc-nd/4.0/</td> </tr> <tr> <td>enumeration</td> <td>MIT</td> <td>The MIT License https://opensource.org/license/MIT</td> </tr> </tbody> </table>	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
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:annotation> </xs:enumeration> <xs:enumeration value="CC BY 4.0" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">Creative Commons Attribution 4.0 International</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="CC BY-SA 4.0" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">Creative Commons Attribution-Sharealike 4.0 International</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="CC BY-NC 4.0" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">Creative Commons Attribution-Noncommercial 4.0 International</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="CC BY-NC-SA 4.0" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">Creative Commons Attribution-Noncommercial-Sharealike 4.0 International</xs:documentation> </xs:annotation> </xs:enumeration> <xs: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: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:annotation> </xs:enumeration> <xs:enumeration value="MIT" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">The MIT License</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 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>

	TigerData projects and subprojects should use DOI		
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 "1" -- "0..1" xsString </pre>		
Type	restriction of xs:string		
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	Attribute	supplementalMetadata/relations/relation/@relatedIDType
Source	<pre> <xs:simpleType name="relatedIDType"> <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>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> </pre>	

```

<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>
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xs:documentation>
  </xs:annotation>
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  <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>
    <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:annotation>

```

```

<xs:documentation xml:lang="en">A unique identifier for data in the Life Science domain.</xs:documentation>
</xs:enumeration>
</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: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>

	Formal parent-child relationships between TigerData resources are called out in the parentProject field, and they can be further specified by relationType																																																																																																											
Diagram	<pre> classDiagram class relationTypeType class xsString relationTypeType "Standard type that defines the controlled vocabulary for the relationType attribute. Applies to both Projects and..." -- "Built-in primitive type. The string datatype represents character strings in XML." </pre>																																																																																																											
Type	restriction of xs:string																																																																																																											
Facets	<table border="1"> <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> <tr><td>enumeration</td><td>IsPublishedIn</td><td>A is published inside B, but is independent of other things published inside of B</td></tr> <tr><td>enumeration</td><td>IsReferencedBy</td><td>A is used as a source of information by B</td></tr> <tr><td>enumeration</td><td>References</td><td>B is used as a source of information for A</td></tr> <tr><td>enumeration</td><td>IsDocumentedBy</td><td>B is documentation about/explaining A</td></tr> <tr><td>enumeration</td><td>Documents</td><td>A is documentation about/explaining B</td></tr> <tr><td>enumeration</td><td>IsCompiledBy</td><td>B is used to compile or create A</td></tr> <tr><td>enumeration</td><td>Compiles</td><td>B is the result of a compile or creation event using A</td></tr> <tr><td>enumeration</td><td>IsVariantFormOf</td><td>A is a variant or different form of B</td></tr> <tr><td>enumeration</td><td>IsOriginalFormOf</td><td>A is the original form of B</td></tr> <tr><td>enumeration</td><td>IsIdenticalTo</td><td>A is identical to B, for use when there is a need to register two separate instances of the same resource</td></tr> <tr><td>enumeration</td><td>IsReviewedBy</td><td>A is reviewed by B</td></tr> <tr><td>enumeration</td><td>Reviews</td><td>A is a review of B</td></tr> <tr><td>enumeration</td><td>IsDerivedFrom</td><td>B is a source upon which A is based</td></tr> <tr><td>enumeration</td><td>IsSourceOf</td><td>A is a source upon which B is based</td></tr> <tr><td>enumeration</td><td>IsRequiredBy</td><td>A is required by B</td></tr> <tr><td>enumeration</td><td>Requires</td><td>A requires B</td></tr> <tr><td>enumeration</td><td>Obsoletes</td><td>A replaces B</td></tr> <tr><td>enumeration</td><td>IsObsoletedBy</td><td>A is replaced by B</td></tr> <tr><td>enumeration</td><td>IsCollectedBy</td><td>A is collected by B</td></tr> </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	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
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enumeration	IsContinuedBy	A is continued by the work B																																																																																																										
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enumeration	IsVersionOf	A is a version of B																																																																																																										
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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																																																																																																										
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enumeration	IsDerivedFrom	B is a source upon which A is based																																																																																																										
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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"> <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:restriction> </pre>		

```

<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: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: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>

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</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 dateType

Namespace	No namespace																								
Annotations	<p>Standard type that defines the controlled vocabulary for the dateType attribute</p> <p>Applies to both Projects and Items</p> <p>Derived from the DataCite controlled vocabulary for dateType (v4.6+)</p> <p>https://datacite-metadata-schema.readthedocs.io/en/4.6/appendices/appendix-1/dateType/</p>																								
Diagram	<pre> classDiagram dateTypeType < -- xs:string dateTypeType -- "2..1" dateType dateType -- "1..2" xs:string dateType <--> xs:string dateType -- "1..2" xs:string </pre> <p>Standard type that defines the controlled vocabulary for the dateType attribute Applies to both Projects and...</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>																								
Type	restriction of xs:string																								
Facets	<table border="1"> <tbody> <tr> <td>enumeration</td> <td>Accepted</td> <td>The date that the publisher accepted the resource into their system.</td> </tr> <tr> <td>enumeration</td> <td>Available</td> <td>The date the resource is made publicly available. May be a range.</td> </tr> <tr> <td>enumeration</td> <td>Copyrighted</td> <td>The specific, documented date at which the resource receives a copyrighted status, if applicable.</td> </tr> <tr> <td>enumeration</td> <td>Collected</td> <td>The date or date range in which the resource content was collected.</td> </tr> <tr> <td>enumeration</td> <td>Created</td> <td>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.</td> </tr> <tr> <td>enumeration</td> <td>Issued</td> <td>The date that the resource is published or distributed, e.g., to a data centre.</td> </tr> <tr> <td>enumeration</td> <td>Submitted</td> <td>The date the creator submits the resource to the publisher. This could be different from Accepted if the publisher then applies a selection process.</td> </tr> <tr> <td>enumeration</td> <td>Updated</td> <td>The date of the last update to the resource, when the resource is being added to. May be a range.</td> </tr> </tbody> </table>	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	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	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> <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"> </pre>		

```

<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	<pre> classDiagram class researchDomainNameType { <<Standard type that defines the controlled vocabulary for the researchDomain field>> <<Applies when projectPurpose is Research...>> } class xs { <<Built-in primitive type. The string datatype represents character strings in XML.>> } researchDomainNameType --o xs </pre>								
Type	restriction of xs:string								
Facets	<table> <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:enumeration value="Humanities" xml:lang="en"/> </xs:restriction> </xs:simpleType> </pre>								

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 class departmentType { <<Standard type that defines the allowable values for department Applies to all projects, regardless of...>> } class xs { <<Built-in primitive type. The string datatype represents character strings in XML.>> } departmentType --o xs </pre>				
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> </pre>				

```

<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"/>
<xsmaxLength value="38"/>
</xs:restriction>
</xs:simpleType>

```

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	<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: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> </pre>											

Simple Type storagePerformanceType

Namespace	No namespace		
Annotations	Standard type that defines the controlled vocabulary for storage performance values		
Diagram	<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: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></pre>		

Simple Type fileEstimateType

Namespace	No namespace
Annotations	Standard type that defines the controlled vocabulary for the numberOfFiles field

Diagram	<p>Standard type that defines the controlled vocabulary for the numberOffiles field</p> <p>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> <xs:documentation xml:lang="en">The project is estimated to include more than 1,000,000 files at any one time</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType></pre>		

Simple Type hpcType

Namespace	No namespace		
Annotations	Standard type that defines the controlled vocabulary for the hpc field		
Diagram	<p>Standard type that defines the controlled vocabulary for the hpc field</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>		
Type	restriction of xs:string		
Facets	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 "1" -- "1" xsString </pre>		
Type	restriction of xs:string		
Facets	enumeration	Research	<p>The project is intended to contain mainly research data</p> <p>This includes projects for labs and research groups; it is not restricted to one specific research project</p>
	enumeration	Administrative	<p>The project is intended to contain mainly administrative data</p> <p>This includes library and other staff-managed archive use-cases</p>
	enumeration	Teaching	<p>The project is intended to contain mainly data related to teaching and learning activities</p>
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:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType> </pre>		

```

<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>

```

Simple Type licenseType

Namespace	No namespace																								
Annotations	<p>Standard type that defines the controlled vocabulary for the license field</p> <p>All standard specifications for licenses are drawn from https://spdx.org/licenses/</p>																								
Diagram	<p>Standard type that defines the controlled vocabulary for the license field All standard specifications for licenses are...</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>																								
Type	restriction of xs:string																								
Facets	<table border="1"> <tbody> <tr> <td>enumeration</td> <td>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> <tr> <td>enumeration</td> <td>Creative Commons Attribution-Noderivatives 4.0 International</td> <td>CC BY-ND 4.0 https://creativecommons.org/licenses/by-nd/4.0/</td> </tr> <tr> <td>enumeration</td> <td>Creative Commons Attribution-Noncommercial-Noderivatives 4.0 International</td> <td>CC BY-NC-ND 4.0 https://creativecommons.org/licenses/by-nc-nd/4.0/</td> </tr> <tr> <td>enumeration</td> <td>The MIT License</td> <td>MIT https://opensource.org/license/MIT</td> </tr> </tbody> </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 Attribution-Noderivatives 4.0 International	CC BY-ND 4.0 https://creativecommons.org/licenses/by-nd/4.0/	enumeration	Creative Commons Attribution-Noncommercial-Noderivatives 4.0 International	CC BY-NC-ND 4.0 https://creativecommons.org/licenses/by-nc-nd/4.0/	enumeration	The MIT License	MIT https://opensource.org/license/MIT
enumeration	Creative Commons Public Domain Dedication 1.0 Universal	CC0 1.0 https://creativecommons.org/publicdomain/zero/1.0/																							
enumeration	Creative Commons Attribution 4.0 International	CC BY 4.0 https://creativecommons.org/licenses/by/4.0/																							
enumeration	Creative Commons Attribution-Sharealike 4.0 International	CC BY-SA 4.0 https://creativecommons.org/licenses/by-sa/4.0/																							
enumeration	Creative Commons Attribution-Noncommercial 4.0 International	CC BY-NC 4.0 https://creativecommons.org/licenses/by-nc/4.0/																							
enumeration	Creative Commons Attribution-Noncommercial-Sharealike 4.0 International	CC BY-NC-SA 4.0 https://creativecommons.org/licenses/by-nc-sa/4.0/																							
enumeration	Creative Commons Attribution-Noderivatives 4.0 International	CC BY-ND 4.0 https://creativecommons.org/licenses/by-nd/4.0/																							
enumeration	Creative Commons Attribution-Noncommercial-Noderivatives 4.0 International	CC BY-NC-ND 4.0 https://creativecommons.org/licenses/by-nc-nd/4.0/																							
enumeration	The MIT License	MIT https://opensource.org/license/MIT																							
Used by	Element license																								
Source	<pre> <xs:simpleType name="licenseType"> <xs:annotation> <xs:documentation xml:lang="en">Standard type that defines the controlled vocabulary for the license field</xs:documentation> <xs: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:restriction> </xs:simpleType> </pre>																								

```

        </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-Noncommercial-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>

```

Simple Type statusType

Namespace	No namespace		
Annotations	Standard type that defines the controlled vocabulary for the status field Applies only to Projects		
Diagram	<p>The diagram shows a UML class named "statusType" connected by a directed association to another class named "xs:string". A callout box points to the "statusType" class with the text: "Standard type that defines the controlled vocabulary for the status field. Applies only to Projects". 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	AdminReview	<p>The project request has been submitted, with approval by the assigned Data Sponsor, but it is not yet approved by a System Administrator</p> <p>Applies if the submission field lacks complete approvedBy or approvalDateTime subfields</p> <p>This is typically the initial status of a project record; it marks the point at which a DOI is minted for the projectID</p>
	enumeration	Approved	<p>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)</p> <p>Applies if the submission field has complete approvedBy and approvalDateTime subfields, but the frontend has not yet confirmed the project's collection ID in Mediaflux</p>
	enumeration	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	<p>The project has been retired due to lack of use or by request of the Data Sponsor or the Data Manager</p> <p>Applies if the the retirement field has complete approvedBy and approvalDateTime subfields</p> <p>If the retirementDate field is filled, then the change to Retired status is expected to occur on or after the retirementDate</p>
enumeration	Published	<p>The project has been published</p> <p>Applies if the the publication field has complete approvedBy and approvalDateTime subfields</p> <p>If the publicationDate field is filled, then the change to Published status is expected to occur on or after the publicationDate</p>
Used by	Element	projectFields/projectProvenance/status
Source		<pre> <xs:simpleType name="statusType"> <xs:annotation> <xs:documentation xml:lang="en">Standard type that defines the controlled vocabulary for the status field</xs:documentation> <xs:documentation xml:lang="en">Applies only to Projects</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:enumeration value="AdminReview" xml:lang="en"> <xs:annotation> <xs:documentation 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</xs:documentation> <xs:documentation xml:lang="en">Applies if the submission field lacks complete approvedBy or approvalDateTime subfields</xs:documentation> <xs:documentation 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</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="Approved" xml:lang="en"> <xs:annotation> <xs:documentation xml:lang="en">The project has been approved 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:documentation xml:lang="en">Applies if the submission field has complete approvedBy and approvalDateTime subfields, the frontend has confirmed the project's collection ID in Mediaflux, and the project has been neither retired nor published</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="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> </pre>

</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					
Type	restriction of xs:integer				
Facets	<table border="1"> <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													
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> <xs:complexType name="projectIDValueType"> <xs:annotation> <xs:documentation xml:lang="en">Standard type for the values of projectId and parentProject fields</xs:documentation> </xs:annotation> </pre>												

```

<xs:documentation xml:lang="en">Applies to both Projects (projectID and parentProject) and Items  
(parentProject)</xs:documentation>
<xs:annotation>
<xs:simpleContent>
  <xs:extension base="doiType">
    <xs:attribute name="projectIDType" fixed="DOI">
      <xs:annotation>
        <xs:documentation xml:lang="en">Makes explicit that the project ID is always given as a  
DOI</xs:documentation>
        </xs:annotation>
      </xs:attribute>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>

```

Complex Type `textType`

Namespace	No namespace												
Annotations	Standard type used for free text values												
Diagram	<p>The diagram illustrates the inheritance relationship between <code>textType</code> and <code>limitedTextType</code>. <code>textType</code> is labeled as a 'Base Type' for <code>limitedTextType</code>, and it is described as a 'Standard type used for free text values'. The <code>limitedTextType</code> class has an attribute <code>@xml:lang</code> with a default value of 'en'. A note states: 'Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going...'</p>												
Type	extension of <code>limitedTextType</code>												
Type hierarchy	<ul style="list-style-type: none"> • <code>xs:string</code> • <code>limitedTextType</code> • <code>textType</code> 												
Used by	Elements description, duaReference/duaTitle, duaReference/grantorName, fundingReference/awardTitle, fundingReference/funderName, provenanceSubfields/eventNote/message, storageAndAccess/accessPoints/globusCollection/globusName												
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(<code>xs:language</code>, restriction of <code>xs:string</code>)</td> <td>en</td> <td>optional</td> </tr> <tr> <td></td> <td>Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/lang-tag-apps.htm for further information. The union allows for the 'un-declaration' of <code>xml:lang</code> with the empty string.</td> <td></td> <td></td> </tr> </tbody> </table>	QName	Type	Default	Use	<code>xml:lang</code>	union of(<code>xs:language</code> , restriction of <code>xs:string</code>)	en	optional		Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/lang-tag-apps.htm for further information. The union allows for the 'un-declaration' of <code>xml:lang</code> with the empty string.		
QName	Type	Default	Use										
<code>xml:lang</code>	union of(<code>xs:language</code> , restriction of <code>xs:string</code>)	en	optional										
	Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/lang-tag-apps.htm for further information. The union allows for the 'un-declaration' of <code>xml:lang</code> with the empty string.												
Source	<pre> <xs:complexType name="textType"> <xs:annotation> <xs:documentation xml:lang="en">Standard type used for free text values</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="limitedTextType"> <xs:attribute ref="xml:lang" default="en"/> </xs:extension> </xs:simpleContent> </xs:complexType> </pre>												

Complex Type `titleType`

Namespace	No namespace
Annotations	Standard type used for title values

Diagram	<pre> classDiagram titleType < -- limitedTitleType limitedTitleType "0..1" --> xmlLang : @xml:lang xmlLang "0..1" --> en : Default </pre> <p>Specification for the practical limit for text values within titleType</p> <p>Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going...</p>																				
Type	extension of limitedTitleType																				
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • 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>Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/lang-tag-apps.htm for further information.</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>The union allows for the 'un-declaration' of xml:lang with the empty string.</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			Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/lang-tag-apps.htm for further information.					The union allows for the 'un-declaration' of xml:lang with the empty string.			
QName	Type	Default	Use																		
xml:lang	union of(xs:language, restriction of xs:string)	en	optional																		
	Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/lang-tag-apps.htm for further information.																				
	The union allows for the 'un-declaration' of xml:lang with the empty string.																				
Source	<pre> <xss:complexType name="titleType"> <xss:annotation> <xss:documentation xml:lang="en">Standard type uestoed 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 uestoed for short descriptive values (e.g., itemResourceType and keyword)
Diagram	<pre> classDiagram shortDescriptionType < -- shortDescriptionLimitType shortDescriptionLimitType "0..1" --> xmlLang : @xml:lang xmlLang "0..1" --> en : Default </pre> <p>Specification for the practical limit for text values within shortDescriptionType</p> <p>Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going...</p>
Type	extension of shortDescriptionLimitType
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • shortDescriptionLimitType • shortDescriptionType
Used by	Elements itemResourceType, projectResourceType, supplementalMetadata/keywords/keyword

Attributes	QName	Type	Default	Use		
	xml:lang	union of(xs:language, restriction of xs:string)	en	optional		
		<p>Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/lang-tag-apps.htm for further information.</p> <p>The union allows for the 'un-declaration' of xml:lang with the empty string.</p>				
Source	<pre><xs:complexType name="shortDescriptionType"> <xs:annotation> <xs:documentation xml:lang="en">Standard type used for short descriptive values (e.g., itemResourceType and keyword)</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="shortDescriptionLimitType"> <xs:attribute ref="xml:lang" default="en" /> </xs:extension> </xs:simpleContent> </xs:complexType></pre>					

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 illustrating the structure and attributes of the `userType` element.

```

graph TD
    userType[userType]
    userType --> netID[netID]
    userType --> orcid[orcid]
    userType --> nameComponents[name]
    
    netID --> userID[@userID]
    netID --> userIDType[@userIDType]
    
    userIDType --> netIDDescription[The University NetID (also called the OIT NetID) is the name or user-id that identifies a person to a computer system...]
    userIDType --> netIDFixed[Makes explicit that Princeton NetIDs are always used as the identifier for userID]
    
    nameComponents --> givenName[givenName]
    nameComponents --> familyName[familyName]
    nameComponents --> nameDate[nameDate]
    nameComponents --> alternativeNameIdentifier[alternativeNameIdentifier]
  
```

userType

- Standard type used for user fields
Given the required attribute `userID`, all sub-elements are optional, so the element...

Attributes

- @ userID**
Type: netIDType
Specifies the (locally) unique user ID
If a value is given for the sub-element `netID`, then it should match the value...
- @ userIDType**
Type: xs:string
Fixed: NetID
Makes explicit that Princeton NetIDs are always used as the identifier for `userID`
- netID**
Type: xs:string
The University NetID (also called the OIT NetID) is the name or user-id that identifies a person to a computer system...
- orcid**
Type: xs:anyURI
The ORCID ID URL for the person in a given role, if available and if verified as valid against the ORCID API upon entry.
- fullName**
Type: xs:string
The full name of the person in a given role, verified in the format family-comma-given and matching the corresponding...
- givenName**
Type: xs:string
The given name(s) of the person in a given role. If the person has multiple given names, then all should be included in...
- familyName**
Type: xs:string
The family name(s) of the person in a given role. If the person has multiple family names, then all should be included...
- nameDate**
Type: dateOrRangeType
The date at which the name metadata was recorded.
- 0..100 alternativeNameIdentifier**
Type: Extension of 'xs:string'
Records alternative (non-ORCID) identifier(s) for the person in a given role.

Used by	Elements	dataManager, dataSponsor, dataUser, provenanceSubfields/approvedBy, provenanceSubfields/denied-By, provenanceSubfields/eventNote/noteBy, provenanceSubfields/requestedBy, storageAndAccess/accessPoints/globusCollection/globusOwner		
Model	netID{0,1} , orcid{0,1} , fullName{0,1} , givenName{0,1} , familyName{0,1} , nameDate{0,1} , alternativeNameIdentifier{0,100}			
Children	alternativeNameIdentifier, familyName, fullName, givenName, nameDate, netID, orcid			
Attributes	QName	Type	Fixed	Use
	userID	netIDType		required
		Specifies the (locally) unique user ID If a value is given for the sub-element <code>netID</code> , then it should match the value given for <code>userID</code>		
	userIDType	xs:string	NetID	optional
		Makes explicit that Princeton NetIDs are always used as the identifier for <code>userID</code>		

Source

```
<xs:complexType name="userType">
```

```

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

```

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

Complex Type pathType

Namespace	No namespace												
Annotations	Standard type used for file path values												
Diagram	<pre> classDiagram pathType < -- pathSafeType pathSafeType "0..1" --> protocol : @ protocol protocol { Type protocolType Default NFS } note over pathSafeType: Standard type used within pathType to prevent invalid entries note over protocol: The storage connection protocol that defines how the path is written </pre>												
Type	extension of pathSafeType												
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pathSafeType • pathType 												
Used by	Elements projectDescription/projectDirectory/approvedValue, projectDescription/projectDirectory/projectDirectoryPath, projectDescription/projectDirectory/requestedValue												
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>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:complexType name="pathType"> <xs:annotation> <xs:documentation xml:lang="en">Standard type used for file path values</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension bases="pathSafeType"> <xs:attribute name="protocol" type="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> </xs:extension> </xs:simpleContent> </xs:complexType> </pre>												

Complex Type quantityType

Namespace	No namespace
Annotations	Standard type used for generic quantity values
Diagram	<pre> classDiagram quantityType < -- size quantityType < -- unit size { Type xs:decimal } note over size: The numeric size of the quantity note over size: The practical limits for floating point values set by Mediaflux are the range... 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> </pre>

```

</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>

```

Complex Type storageQuantityType

Namespace	No namespace
Annotations	Standard type used for storage quantity values
Diagram	
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: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> </pre>

Attribute(s)

Attribute projectIDValueType / @projectIDType

Namespace	No namespace
Annotations	Makes explicit that the project ID is always given as a DOI
Properties	fixed: DOI
Used by	Complex Type projectIDValueType
Source	<pre> <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> </pre>

`</xs:attribute>`

Attribute @inherited

Namespace	No namespace
Annotations	<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>
Type	xs:boolean
Properties	content: simple
Used by	Elements additionalProjectInformation/dataUseAgreement, additionalProjectInformation/funded, additionalProjectInformation/projectPurpose, additionalProjectInformation/provisionalProject, alternativeID, dataManager, dataSponsor, dataUser, description, duaReference, 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	<pre><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></pre>

Attribute @discoverable

Namespace	No namespace
Annotations	Standard attribute to specify whether a given field should be discoverable to search operations within TigerData systems
Type	xs:boolean
Properties	content: simple
Used by	Elements additionalProjectInformation/dataUseAgreement, additionalProjectInformation/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, dueReferences, 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	<p>Standard attribute to specify whether a given field has an approved value</p> <p>Applies to fields which have a request-approval framework, including projectDirectory, storageCapacity, and storagePerformance</p>	
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 / @nameIdentifierScheme

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

Attribute userType / alternativeNameIdentifier / @schemeURI

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

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

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][a-zA-Z0-9]{2,8}	
Used by	Complex Type	userType
Source	<pre><xs:attribute name="userID" type="netIDType" use="required"> <xs:annotation> <xs:documentation xml:lang="en">Specifies the (locally) unique user ID</xs:documentation> <xs:documentation xml:lang="en">If a value is given for the sub-element netID, then it should match the value given for userID</xs:documentation> </xs:annotation> </xs:attribute></pre>	

Attribute userType / @userIDType

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

Attribute pathType / @protocol

Namespace	No namespace	
Annotations	The storage connection protocol that defines how the path is written	
Type	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>	

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	<table border="1"> <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</td> </tr> </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
enumeration	https://creativecommons.org/publicdomain/zero/1.0/	Creative Commons Public Domain Dedication 1.0 Universal CC0 1.0														
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enumeration	https://creativecommons.org/licenses/by-nc-sa/4.0/	Creative Commons Attribution-Noncommercial- Sharealike 4.0 International														

		CC BY-NC-SA 4.0
enumeration	https://creativecommons.org/licenses/by-nd/4.0/	Creative Commons Attribution-Noderivatives 4.0 International
		CC BY-ND 4.0
enumeration	https://creativecommons.org/licenses/by-nc-nd/4.0/	Creative Commons Attribution-Noncommercial-Noderivatives 4.0 International
		CC BY-NC-ND 4.0
enumeration	https://opensource.org/license/MIT	The MIT License
		MIT
Used by	Element	license
Source	<pre><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></pre>	

Attribute license / @licenseID

Namespace	No namespace																								
Annotations	Specifies the short, standardized version of the license name																								
Type	licenseIDType																								
Properties	use: required																								
Facets	<table border="1"> <tr> <td>enumeration</td> <td>CC0 1.0</td> <td>Creative Commons Public Domain Dedication 1.0 Universal https://creativecommons.org/publicdomain/zero/1.0/</td> </tr> <tr> <td>enumeration</td> <td>CC BY 4.0</td> <td>Creative Commons Attribution 4.0 International https://creativecommons.org/licenses/by/4.0/</td> </tr> <tr> <td>enumeration</td> <td>CC BY-SA 4.0</td> <td>Creative Commons Attribution-Sharealike 4.0 International https://creativecommons.org/licenses/by-sa/4.0/</td> </tr> <tr> <td>enumeration</td> <td>CC BY-NC 4.0</td> <td>Creative Commons Attribution-Noncommercial 4.0 International https://creativecommons.org/licenses/by-nc/4.0/</td> </tr> <tr> <td>enumeration</td> <td>CC BY-NC-SA 4.0</td> <td>Creative Commons Attribution-Noncommercial- Sharealike 4.0 International https://creativecommons.org/licenses/by-nc-sa/4.0/</td> </tr> <tr> <td>enumeration</td> <td>CC BY-ND 4.0</td> <td>Creative Commons Attribution-Noderivatives 4.0 International https://creativecommons.org/licenses/by-nd/4.0/</td> </tr> <tr> <td>enumeration</td> <td>CC BY-NC-ND 4.0</td> <td>Creative Commons Attribution-Noncommercial- Noderivatives 4.0 International https://creativecommons.org/licenses/by-nc-nd/4.0/</td> </tr> <tr> <td>enumeration</td> <td>MIT</td> <td>The MIT License https://opensource.org/license/MIT</td> </tr> </table>	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
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	Element	license																							
Source	<pre><xs:attribute name="licenseID" type="licenseIDType" use="required"> <xs:annotation> <xs:documentation xml:lang="en">Specifies the short, standardized version of the license name</xs:documentation> </xs:annotation> </xs:attribute></pre>																								

Attribute license / @licenseIDScheme

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

Attribute license / @licenseIDSchemeURI

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

Attribute duaReference / duaID / @duaURI

Namespace	No namespace
Annotations	Records the URI for the DUA
Type	xs:anyURI
Properties	use: optional
Used by	Element duaReference/dualID
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	<pre><xs:attribute name="dateType" type="dateTypeType" use="required"/></pre>	

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	<pre><xs:attribute name="dateInformation" type="shortDescriptionLimitType" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">More information about the value of otherDate (recommended if dateType is Other)</xs:documentation> </xs:annotation> </xs:attribute></pre>	

Attribute projectDescription / departments / department / @departmentCode

Namespace	No namespace	
Annotations	Records the numerical code for the department (required)	
Type	departmentCodeType	
Properties	use: required	
Facets	pattern [0-9]{5}	
Used by	Element projectDescription/departments/department	
Source	<pre><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></pre>	

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 / @subjectScheme

Namespace	No namespace				
Annotations	The name of the subject scheme or classification code or authority, if applicable				
Type	limitedTextType				
Properties	use: optional				
Facets	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">minLength</td><td style="width: 15%;">1</td></tr> <tr> <td>maxLength</td><td>1000</td></tr> </table>	minLength	1	maxLength	1000
minLength	1				
maxLength	1000				
Used by	Element supplementalMetadata/keywords/keyword				
Source	<pre><xs:attribute name="subjectScheme" type="limitedTextType" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">The name of the subject scheme or classification code or authority, if applicable</xs:documentation> </xs:annotation> </xs:attribute></pre>				

Attribute supplementalMetadata / keywords / keyword / @subjectSchemeURI

Namespace	No namespace
Annotations	The URI of the subject identifier scheme, if applicable
Type	xs:anyURI
Properties	use: optional
Used by	Element supplementalMetadata/keywords/keyword
Source	<pre><xs:attribute name="subjectSchemeURI" type="xs:anyURI" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">The URI of the subject identifier scheme, 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 scheme, if applicable				
Type	limitedTextType				
Properties	use: optional				
Facets	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">minLength</td><td style="width: 15%;">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="classificationCode" type="limitedTextType" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">The classification code used for the subject term in the subject scheme, 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	<code><xss:attribute name="relationType" type="relationTypeType" use="required"/></code>	

Attribute supplementalMetadata / relations / relation / @relatedMetadataScheme

Namespace	No namespace
Annotations	The name of the related metadata scheme, 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="relatedMetadataScheme" type="limitedTextType" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">The name of the related metadata scheme, 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 / @relatedMetadataSchemeURI

Namespace	No namespace	
Annotations	The URI of the related metadata scheme, 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="relatedMetadataSchemeURI" type="xs:anyURI" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">The URI of the related metadata scheme, 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 / @relatedMetadataSchemeType

Namespace	No namespace	
Annotations	The type of the related metadata scheme, 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="relatedMetadataSchemeType" type="limitedTextType" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">The type of the related metadata scheme, 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></pre>	

Attribute itemFields / itemID / @itemIDType

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

	<pre><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
	enumeration	Item
Used by	Element	resource
Source	<pre><xs:attribute name="resourceClass" use="required"> <xs:annotation> <xs:documentation xml:lang="en">Specifies the class of a given resource: either Project or Item (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></pre>	

```
</xs:simpleType>
</xs:attribute>
```

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 [0..100] } provenanceSubfields < --> eventNote </pre> <p>The diagram illustrates the structure of the <code>provenanceSubfields</code> element group. It consists of a central node labeled <code>provenanceSubfields</code> with a multiplicity of <code>0..100</code> pointing to a node labeled <code>eventNote</code>. The <code>provenanceSubfields</code> node is associated with six attributes, each with a detailed 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...
Used by	Elements projectFields/projectProvenance/publication, projectFields/projectProvenance/retirement, projectFields/projectProvenance/revisions/revision, projectFields/projectProvenance/submission
Model	requestedBy , requestDateTime , approvedBy{0,1} , approvalDateTime{0,1} , deniedBy{0,1} , denialDateTime{0,1} , eventNote{0,100}
Children	approvalDateTime, approvedBy, denialDateTime, deniedBy, eventNote, requestDateTime, requestedBy
Source	<pre> <xs:group name="provenanceSubfields"> <xs:annotation> <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:annotation> </xs:element> </xs:sequence> </xs:group> </pre>

```

<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: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	<p>A group of all elements included in TigerData project roles</p> <p>Requires 1 Data Sponsor and 1 Data Manager; Data Users are optional and repeatable</p> <p>Does not apply to Items</p>
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 "1" -- "1" dataSponsor : Type Extension of 'userType' projectRoles "1" -- "1" dataManager : Type Extension of 'userType' projectRoles "*" -- "1" dataUsers : Type Extension of 'userType' </pre>
Used by	Element Group projectFields
Model	dataSponsor , dataManager , dataUsers{0,1}
Children	dataManager, dataSponsor, dataUsers
Source	<xs:group name="projectRoles">

```

<xs:annotation>
  <xs:documentation xml:lang="en">A group of all elements included in TigerData project roles</xs:documentation>
  <xs:documentation xml:lang="en">Requires 1 Data Sponsor and 1 Data Manager; Data Users are optional and repeatable</xs:documentation>
  <xs:documentation xml:lang="en">Does not apply to Items</xs:documentation>
</xs:annotation>
<xs:sequence>
  <xs:element ref="dataSponsor" minOccurs="1" maxOccurs="1"/>
  <xs:element ref="dataManager" minOccurs="1" maxOccurs="1"/>
  <xs:element ref="dataUsers" minOccurs="0" maxOccurs="1"/>
</xs:sequence>
</xs:group>

```

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'>> } class description { <<Type Extension of 'textType'>> } 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:documentation xml:lang="en">Does not apply to Items</xs:documentation> </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> </pre>

```

<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: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	<pre> classDiagram class storageAndAccess { storageCapacity projectVisibility storagePerformance numberOffiles hpc accessPoints } storageAndAccess < -- storageCapacity storageAndAccess < -- projectVisibility storageAndAccess < -- storagePerformance storageAndAccess < -- numberOffiles storageAndAccess < -- hpc storageAndAccess < -- accessPoints </pre> <p>The diagram illustrates the structure of the <code>storageAndAccess</code> element group. It consists of a main class <code>storageAndAccess</code> which contains six attributes: <code>storageCapacity</code>, <code>projectVisibility</code>, <code>storagePerformance</code>, <code>numberOffiles</code>, <code>hpc</code>, and <code>accessPoints</code>. Each attribute is represented by a rectangle with a plus sign (+) at the top right, indicating it is an extension of a specific type. The <code>storageCapacity</code> attribute is described as 'The amount of storage allotted for the project (using logical byte units, base-10)' and 'If no user request was received and...'. The <code>projectVisibility</code> attribute is described as 'The level of openness to allow for the project record'. The <code>storagePerformance</code> attribute is described as 'The qualitative assignment for storage performance, i.e. storage tier' and 'If no user request was received and no value has...'. The <code>numberOffiles</code> attribute is described as 'The estimated number of files the project will incorporate (default is Less than 10,000)' and has a default value of 'Less than 10,000'. The <code>hpc</code> attribute is described as 'Whether the project is expected to connect to high performance computing resources (default is No)' and 'This value must be...'. The <code>accessPoints</code> attribute is described as 'Records requests/approvals and settings for SMB shares and Globus endpoints' and 'If this element is present, then it should...'.</p>
Used by	Element Group projectFields
Model	storageCapacity , projectVisibility , storagePerformance , numberOffiles , hpc , accessPoints{0,1}
Children	accessPoints, hpc, numberOffiles, projectVisibility, storageCapacity, storagePerformance
Source	<pre> <xs:group name="storageAndAccess"> <xs:annotation> <xs:documentation xml:lang="en">A group of all elements included in TigerData project storage and access needs</xs:documentation> </xs:annotation> </pre>

```

<xs:documentation xml:lang="en">Does not apply to Items</xs:documentation>
</xs:annotation>
<xs:sequence>
  <xs:element name="storageCapacity" minOccurs="1" maxOccurs="1">
    <xs:annotation>
      <xs:documentation xml:lang="en">The amount of storage allotted for the project (using
logical byte units, base-10)</xs:documentation>
      <xs:documentation xml:lang="en">If no user request was received and no value has yet been
approved, then this field may be empty</xs:documentation>
    </xs:annotation>
    <xs:complexType>
      <xs:sequence>
        <xs:element name="storageCapacitySetting" type="storageQuantityType" minOccurs="0"
maxOccurs="1">
          <xs:annotation>
            <xs:documentation xml:lang="en">The current setting for storageCapacity (omitted until
approved)</xs:documentation>
            <xs:documentation xml:lang="en">After 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="storageQuantityType" minOccurs="0" maxOccurs="1">
          <xs:annotation>
            <xs:documentation xml:lang="en">The requested value for storageCapacity (omitted if no
user request was received)</xs:documentation>
            <xs: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</xs:documentation>
            <xs:documentation xml:lang="en">Depending on the amount 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="storageQuantityType" minOccurs="0" maxOccurs="1">
          <xs:annotation>
            <xs:documentation xml:lang="en">The approved value for storageCapacity (omitted if no
sys admin has approved yet)</xs:documentation>
            <xs:documentation xml:lang="en">Once approved 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:elements>
      </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:sequence>
    </xs:complexType>
  </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: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:element>
        </xs:sequence>
    </xs:complexType>

```

```

        </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:documentation xml:lang="en">If approvedValue is true, then smbEnableSetting
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: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: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:annotation>
                                <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:sequence>
                </xs:complexType>
            </xs:element>
        </xs:sequence>
    </xs:complexType>

```

```

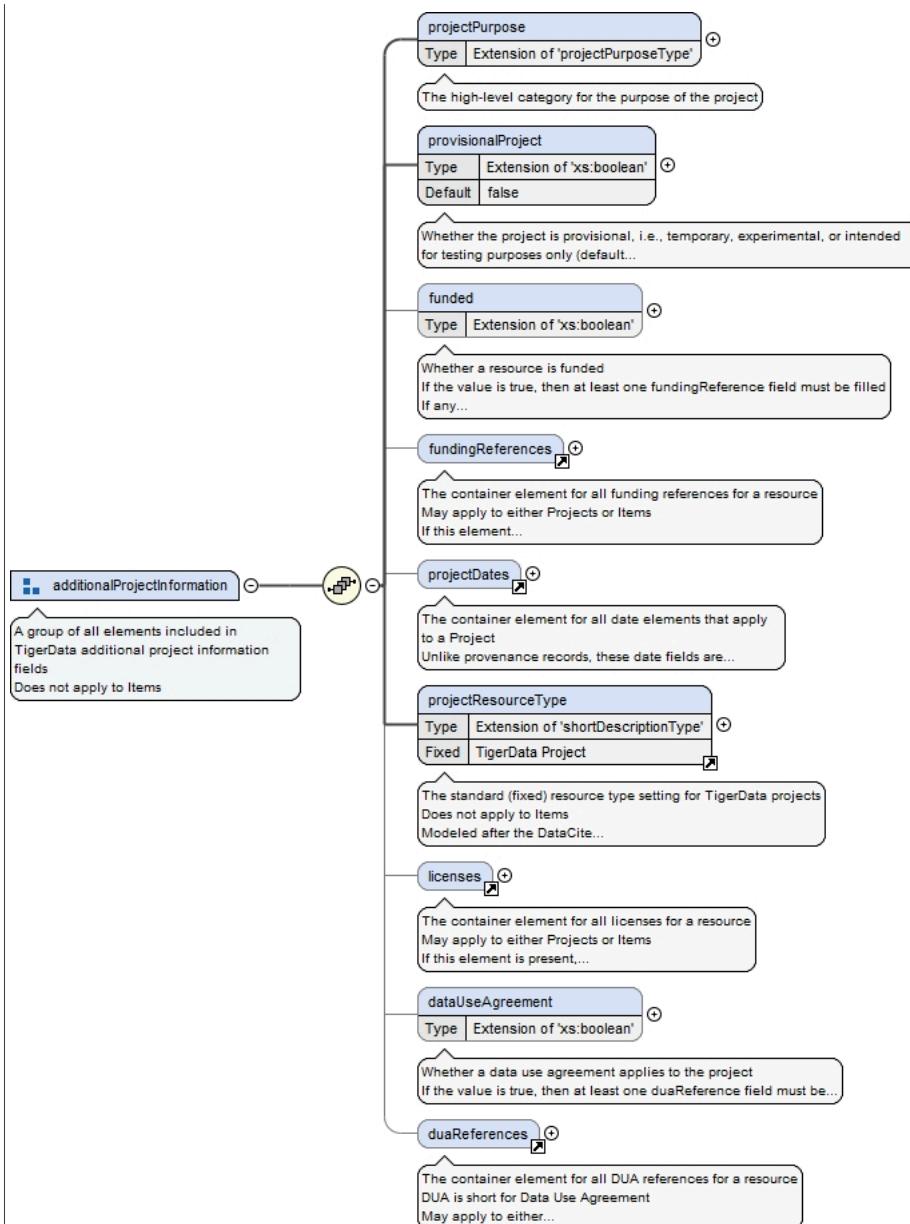
<xs:annotation>
    <xs:documentation xml:lang="en">The Globus collection universally unique
    identifier (required)</xs:documentation>
        <xs:documentation xml:lang="en">The value is expected to be 32 hexadecimal
        digits in 8-4-4-4-12 format</xs:documentation>
            </xs:annotation>
        </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:sequence>
<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



Used by	Element Group	projectFields
Model	projectPurpose , provisionalProject , funded{0,1} , fundingReferences{0,1} , projectDates{0,1} , projectResourceType , licenses{0,1} , dataUseAgreement{0,1} , duaReferences{0,1}	
Children	dataUseAgreement, duaReferences, funded, fundingReferences, licenses, projectDates, projectPurpose, projectResourceType, provisionalProject	
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:element name="provisionalProject" type="xs:boolean"> <xs:annotation> <xs:documentation xml:lang="en">Whether the project is provisional, i.e., temporary, experimental, or intended for testing purposes only (default...)</xs:documentation> </xs:annotation> </xs:element> <xs:element name="funded" type="xs:boolean"> <xs:annotation> <xs:documentation xml:lang="en">Whether a resource is funded. If the value is true, then at least one fundingReference field must be filled.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="fundingReferences" type="xs:anyType"> <xs:annotation> <xs:documentation xml:lang="en">The container element for all funding references for a resource. May apply to either Projects or Items. If this element...</xs:documentation> </xs:annotation> </xs:element> <xs:element name="projectDates" type="xs:anyType"> <xs:annotation> <xs:documentation xml:lang="en">The container element for all date elements that apply to a Project. Unlike provenance records, these date fields are...</xs:documentation> </xs:annotation> </xs:element> <xs:element name="projectResourceType" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="en">The standard (fixed) resource type setting for TigerData projects. Does not apply to Items. Modeled after the DataCite...</xs:documentation> </xs:annotation> </xs:element> <xs:element name="licenses" type="xs:anyType"> <xs:annotation> <xs:documentation xml:lang="en">The container element for all licenses for a resource. May apply to either Projects or Items. If this element is present...</xs:documentation> </xs:annotation> </xs:element> <xs:element name="dataUseAgreement" type="xs:boolean"> <xs:annotation> <xs:documentation xml:lang="en">Whether a data use agreement applies to the project. If the value is true, then at least one duaReference field must be...</xs:documentation> </xs:annotation> </xs:element> <xs:element name="duaReferences" type="xs:anyType"> <xs:annotation> <xs:documentation xml:lang="en">The container element for all DUA references for a resource. DUA is short for Data Use Agreement. May apply to either...</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:group> </pre>	

```

        </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

	<p>May apply to either Projects and Items</p> <pre> graph LR sup[supplementalMetadata] --> keywords sup --> relations sup --> ems[extendedMetadataSchemas] sub["A group of all elements included in TigerData supplemental metadata fields May apply to either Projects and Items"] --- sup </pre>
Diagram	
Used by	Element Groups itemFields, projectFields
Model	keywords{0,1} , relations{0,1} , extendedMetadataSchemas{0,1}
Children	extendedMetadataSchemas, keywords, relations
Source	<pre> <xs:group name="supplementalMetadata"> <xs:annotation> <xs:documentation xml:lang="en">A group of all elements included in TigerData supplemental metadata fields</xs:documentation> <xs:documentation xml:lang="en">May apply to either Projects and Items</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="keywords" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="en">The container element for all keywords for a resource</xs:documentation> <xs:documentation xml:lang="en">May apply to either Projects or Items</xs:documentation> <xs: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="subjectScheme" type="limitedTextType" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">The name of the subject scheme or classification code or authority, if applicable</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute name="subjectSchemeURI" type="xs:anyURI" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">The URI of the subject identifier scheme, 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 scheme, 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:complexType> </xs:element> </xs:sequence> </xs:group> </pre>

```

        </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>
        <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="relatedMetadataScheme" type="limitedTextType" use="optional">
                                    <xs:annotation>
                                        <xs:documentation xml:lang="en">The name of the related metadata scheme, 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="relatedMetadataSchemeURI" type="xs:anyURI" use="optional">
                                    <xs:annotation>
                                        <xs:documentation xml:lang="en">The URI of the related metadata scheme, 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="relatedMetadataSchemeType" type="limitedTextType" use="optional">
                                    <xs:annotation>
                                        <xs:documentation xml:lang="en">The type of the related metadata scheme, 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: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:annotation>
            </xs:element>
        </xs:sequence>
    </xs:complexType>

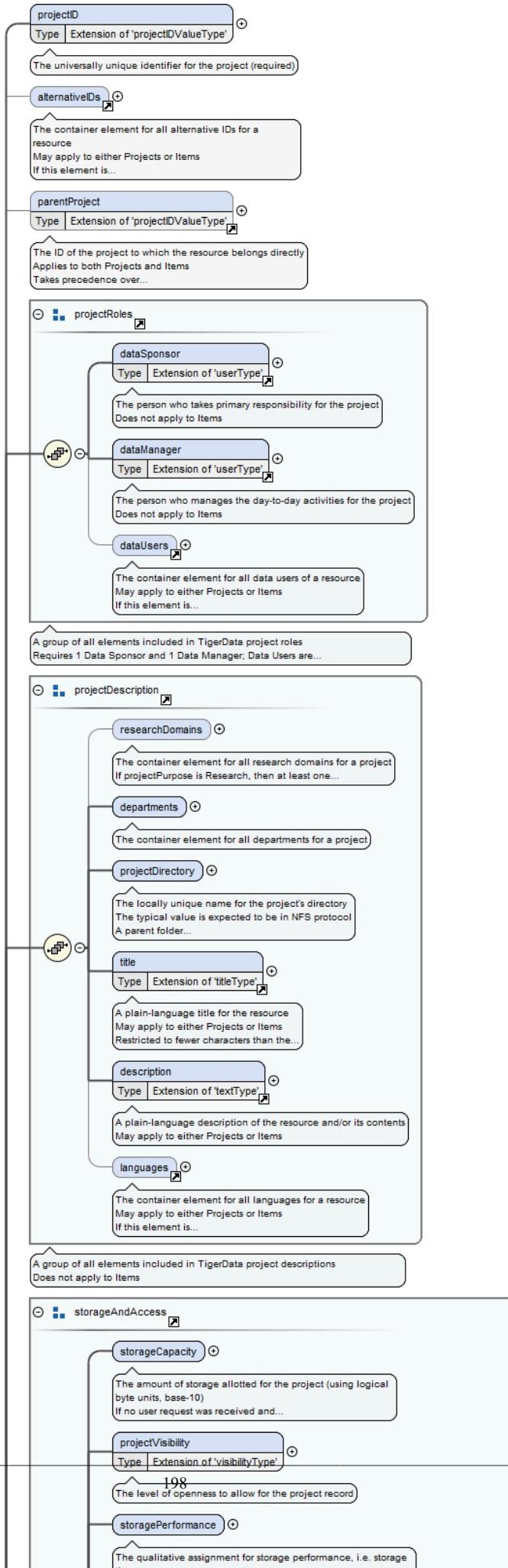
```

```
<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:elements>
</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>

```

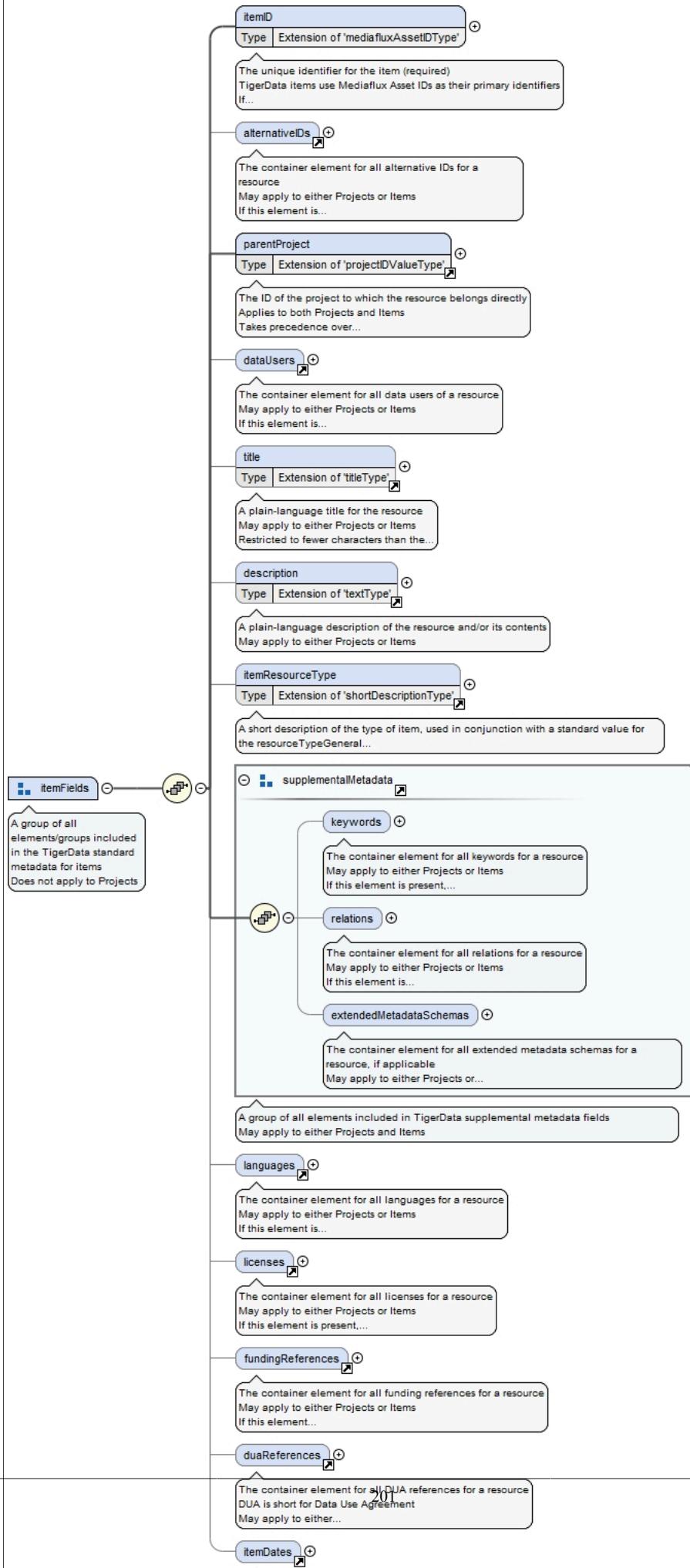
</xs:element>
<xs:element name="retirement" minOccurs="0" maxOccurs="1">
    <xs:annotation>
        <xs:documentation xml:lang="en">A record of a project's retirement, if applicable</
    xs:documentation>
    </xs:annotation>
    <xs:complexType>
        <xs:group ref="provenanceSubfields"/>
        <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, licenses, 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 `xml.xsd`

Namespace	http://www.w3.org/XML/1998/namespace
Annotations	<p>See http://www.w3.org/XML/1998/namespace.html and http://www.w3.org/TR/REC-xml for information about this namespace.</p> <p>This schema document describes the XML namespace, in a form suitable for import by other schema documents.</p> <p>Note that local names in this namespace are intended to be defined only by the World Wide Web Consortium or its subgroups. The following names are currently defined in this namespace and should not be used with conflicting semantics by any Working Group, specification, or document instance:</p> <p>base (as an attribute name): denotes an attribute whose value provides a URI to be used as the base for interpreting any relative URIs in the scope of the element on which it appears; its value is inherited. This name is reserved</p>

	<p>by virtue of its definition in the XML Base specification.</p> <p>id (as an attribute name): 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>lang (as an attribute name): denotes an attribute whose value is a language code for the natural language of the content of any element; its value is inherited. This name is reserved by virtue of its definition in the XML specification.</p> <p>space (as an attribute name): denotes an attribute whose value is a keyword indicating what whitespace processing discipline is intended for the content of the element; its value is inherited. This name is reserved by virtue of its definition in the XML specification.</p> <p>Father (in any context at all): denotes Jon Bosak, the chair of the original XML Working Group. This name is reserved by the following decision of the W3C XML Plenary and XML Coordination groups:</p> <p style="padding-left: 40px;">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 <code>xml:Father</code></p> <p>This schema defines attributes and an attribute group suitable for use by schemas wishing to allow <code>xml:base</code>, <code>xml:lang</code>, <code>xml:space</code> or <code>xml:id</code> attributes on elements they define.</p> <p>To enable this, such a schema must import this schema for the XML namespace, e.g. as follows:</p> <pre><schema . . .> . . <import namespace="http://www.w3.org/XML/1998/namespace" schemaLocation="http://www.w3.org/2001/xml.xsd"/></pre> <p>Subsequently, qualified reference to any of the attributes or the group defined below will have the desired effect, e.g.</p> <pre><type . . .> . . <attributeGroup ref="xml:specialAttrs"/></pre> <p style="padding-left: 40px;">will define a type which will schema-validate an instance element with any of those attributes</p> <p>In keeping with the XML Schema WG's standard versioning policy, this schema document will persist at http://www.w3.org/2007/08/xml.xsd. At the date of issue it can also be found at http://www.w3.org/2001/xml.xsd. The schema document at that URI may however change in the future, in order to remain compatible with the latest version of XML Schema itself, or with the XML namespace itself. In other words, if the XML Schema or XML namespaces change, the version of this document at http://www.w3.org/2001/xml.xsd will change accordingly; the version at http://www.w3.org/2007/08/xml.xsd will not change.</p>				
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">attribute form default:</td><td>unqualified</td></tr> <tr> <td>element form default:</td><td>unqualified</td></tr> </table>	attribute form default:	unqualified	element form default:	unqualified
attribute form default:	unqualified				
element form default:	unqualified				

Attribute(s)

Attribute @xml:lang

Namespace	http://www.w3.org/XML/1998/namespace
Annotations	<p>Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/lang-tag-apps.htm for further information.</p> <p>The union allows for the 'un-declaration' of <code>xml:lang</code> with the empty string.</p>

Type	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>Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility. See RFC 3066 at http://www.ietf.org/rfc/rfc3066.txt and the IANA registry at http://www.iana.org/assignments/lang-tag-apps.htm for further information. The union allows for the 'un-declaration' of xml:lang with the empty string.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:union memberTypes="xs:language"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="" /> </xs:restriction> </xs:simpleType> </xs:union> </xs:simpleType> </xs:attribute></pre>	

Attribute @xml:space

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

Attribute @xml:base

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

Attribute @xml:id

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

Source	<pre><xss:attribute name="id" type="xs:ID"> <xss:annotation> <xss:documentation>See http://www.w3.org/TR/xml-id/ for information about this attribute.</xss:documentation> </xss:annotation> </xss:attribute></pre>
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Attribute Group(s)

Attribute Group `xml:specialAttrs`

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