Schema documentation for Dictionary_diggs.xsd

september 4, 2022

Table of Contents

Namespace: "http://diggsml.org/schemas/2.6"

Schema(s)

Main schema `Dictionary_diggs.xsd`

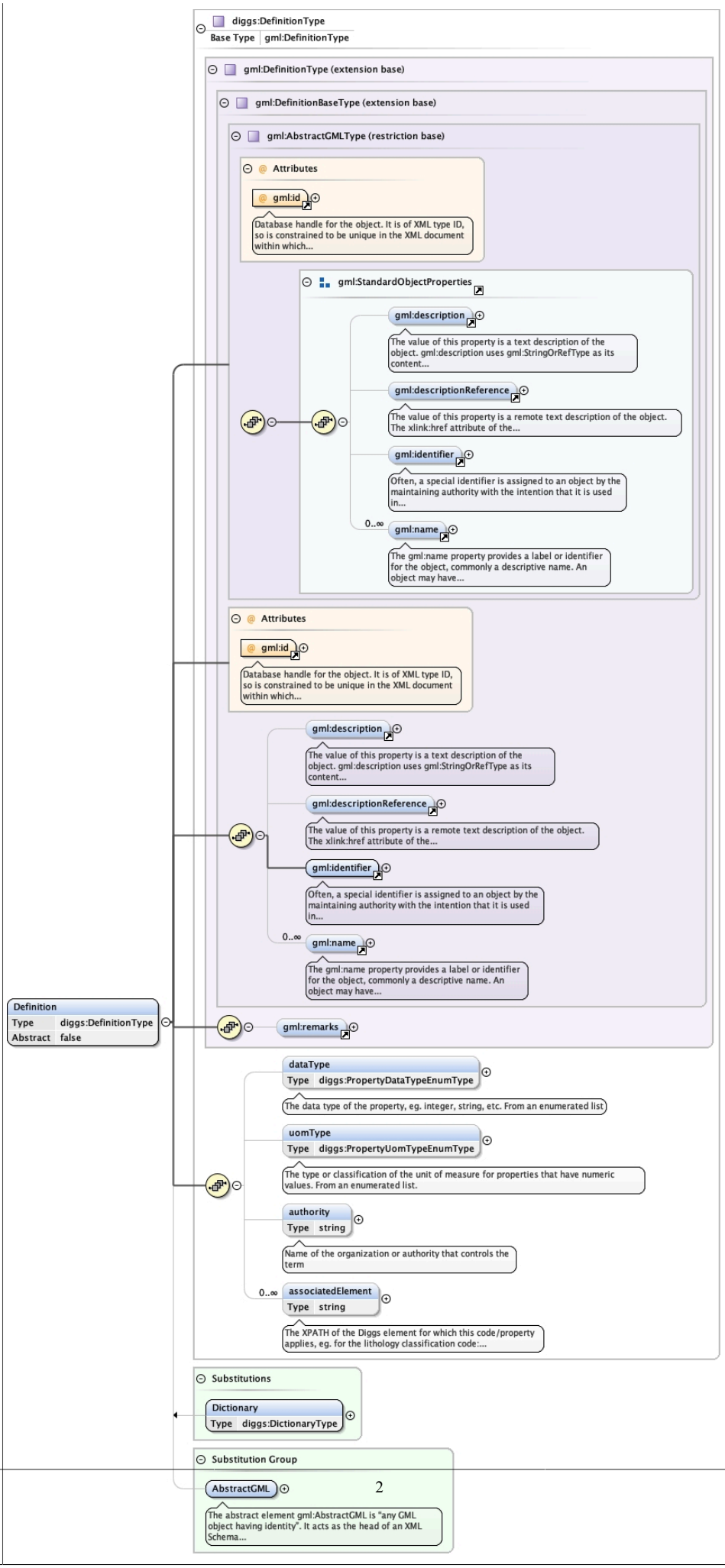
Namespace	http://diggsml.org/schemas/2.6	
Properties	attribute form default:	`unqualified`
	element form default:	`qualified`
	version:	`2.6`
Schema location	file:/Users/dponti/GitHub/diggs-schema/Dictionary_diggs.xsd	

Element(s)

Element `diggs:Definition`

Namespace	http://diggsml.org/schemas/2.6

Diagram


diggs:DefinitionType
Base Type gml:DefinitionType
gml:DefinitionType (extension base)
gml:DefinitionBaseType (extension base)
gml:AbstractGMLType (restriction base)
Attributes
gml:id
Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which...
gml:StandardObjectProperties
gml:description
The value of this property is a text description of the object. gml:description uses gml:StringOrRefType as its content...
gml:descriptionReference
The value of this property is a remote text description of the object. The xlink:href attribute of the...
gml:identifier
Often, a special identifier is assigned to an object by the maintaining authority with the intention that it is used in...
0..∞
gml:name
The gml:name property provides a label or identifier for the object, commonly a descriptive name. An object may have...
Attributes
gml:id
Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which...
gml:description
The value of this property is a text description of the object. gml:description uses gml:StringOrRefType as its content...
gml:descriptionReference
The value of this property is a remote text description of the object. The xlink:href attribute of the...
gml:identifier
Often, a special identifier is assigned to an object by the maintaining authority with the intention that it is used in...
0..∞
gml:name
The gml:name property provides a label or identifier for the object, commonly a descriptive name. An object may have...
Definition
Type diggs:DefinitionType
Abstract false
gml:remarks
dataType
Type diggs:PropertyDataTypeEnumType
The data type of the property, eg. integer, string, etc. From an enumerated list
uomType
Type diggs:PropertyUomTypeEnumType
The type or classification of the unit of measure for properties that have numeric values. From an enumerated list.
authority
Type string
Name of the organization or authority that controls the term
0..∞
associatedElement
Type string
The XPATH of the Diggs element for which this code/property applies, eg. for the lithology classification code:...
Substitutions
Dictionary
Type diggs:DictionaryType
Substitution Group
AbstractGML
The abstract element gml:AbstractGML is "any GML object having identity". It acts as the head of an XML Schema...

Type	diggs:DefinitionType

Type hierarchy	• gml:AbstractGMLType
	  • gml:DefinitionBaseType
	  • gml:DefinitionType
	  • diggs:DefinitionType

Properties	content: complex abstract: false
Substitution Group	• diggs:Dictionary
Substitution Group Affiliation	• gml:AbstractGML
Used by	Complex Type diggs:DictionaryEntryType
Model	gml:description{0,1} , gml:descriptionReference{0,1} , gml:identifier , gml:name* , gml:remarks{0,1} , diggs:dataType{0,1} , diggs:uomType{0,1} , diggs:authority{0,1} , diggs:associatedElement*
Children	diggs:associatedElement, diggs:authority, diggs:dataType, diggs:uomType, gml:description, gml:descriptionReference, gml:identifier, gml:name, gml:remarks

Instance

```
<diggs:Definition gml:id="" xmlns:diggs="http://diggsml.org/schemas/2.6" xmlns:gml="http://
www.opengis.net/gml/3.2">
  <gml:description xlink:actuate="" xlink:arcrole="" xlink:href="" nilReason="" xlink:role="" xlink:show="" xlink:t
gml:description>
  <gml:descriptionReference xlink:actuate="" xlink:arcrole="" xlink:href="" nilReason="" owns="false" xlink:role="
gml:descriptionReference>
  <gml:identifier codeSpace="">{1,1}</gml:identifier>
  <gml:name codeSpace="">{0,unbounded}</gml:name>
  <gml:remarks>{0,1}</gml:remarks>
  <diggs:dataType>{0,1}</diggs:dataType>
  <diggs:uomType>{0,1}</diggs:uomType>
  <diggs:authority>{0,1}</diggs:authority>
  <diggs:associatedElement>{0,unbounded}</diggs:associatedElement>
</diggs:Definition>
```

Attributes

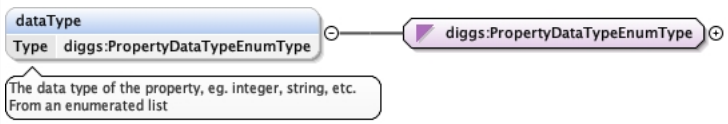
QName	Type	Use	
gml:id	ID	required	
	Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.		

Source

```
<element name="Definition" substitutionGroup="gml:AbstractGML" abstract="false"
 type="diggs:DefinitionType">
</element>
```

Schema location	file:/Users/dponti/GitHub/diggs-schema/Dictionary_diggs.xsd

Element diggs:DefinitionType / diggs:dataType

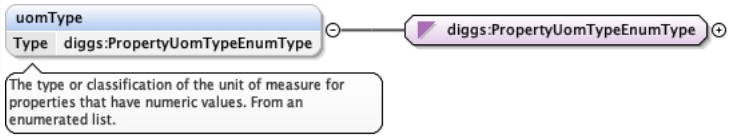
Namespace	http://diggsml.org/schemas/2.6
Annotations	The data type of the property, eg. integer, string, etc. From an enumerated list
Diagram	
Type	diggs:PropertyDataTypeEnumType
Properties	content: simple minOccurs: 0

Source

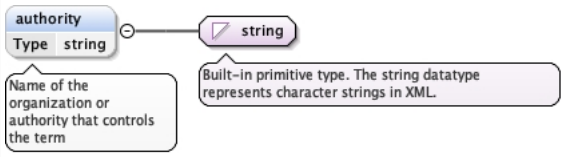
```
<element minOccurs="0" name="dataType" type="diggs:PropertyDataTypeEnumType">
  <annotation>
```

	<documentation>The data type of the property, eg. integer, string, etc. From an enumerated list</documentation>
Schema location	file:/Users/dponti/GitHub/diggs-schema/Dictionary_diggs.xsd

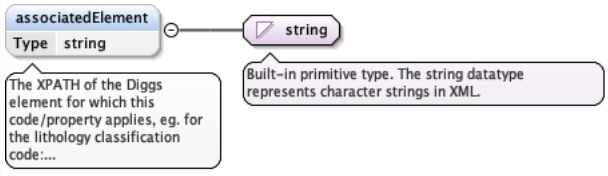
Element diggs:DefinitionType / diggs:uomType

Namespace	http://diggsml.org/schemas/2.6
Annotations	The type or classification of the unit of measure for properties that have numeric values. From an enumerated list.
Diagram	
Type	diggs:PropertyUomTypeEnumType
Properties	content: simple minOccurs: 0
Source	<element minOccurs="0" name="uomType" type="diggs:PropertyUomTypeEnumType"> <annotation> <documentation>The type or classification of the unit of measure for properties that have numeric values. From an enumerated list.</documentation> </annotation> </element>
Schema location	file:/Users/dponti/GitHub/diggs-schema/Dictionary_diggs.xsd

Element diggs:DefinitionType / diggs:authority

Namespace	http://diggsml.org/schemas/2.6
Annotations	Name of the organization or authority that controls the term
Diagram	
Type	string
Properties	content: simple minOccurs: 0
Source	<element minOccurs="0" name="authority" type="string"> <annotation> <documentation>Name of the organization or authority that controls the term</documentation> </annotation> </element>
Schema location	file:/Users/dponti/GitHub/diggs-schema/Dictionary_diggs.xsd

Element diggs:DefinitionType / diggs:associatedElement

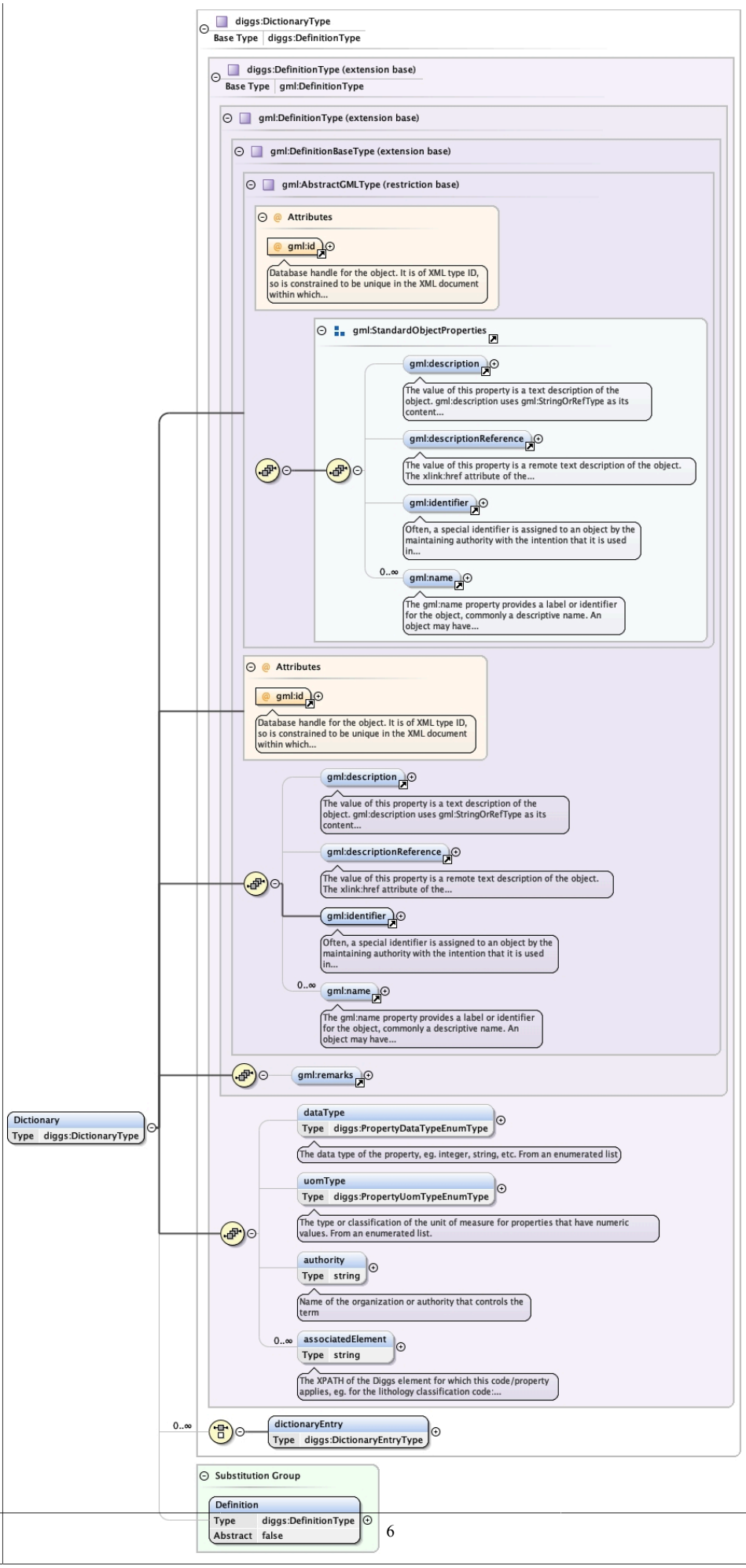
Namespace	http://diggsml.org/schemas/2.6
Annotations	The XPATH of the Diggs element for which this code/property applies, eg. for the lithology classification code: /diggs:Diggs/diggs:observation/diggs:LithologySystem/diggs:lithologyObservation/diggs:LithologyObservation/diggs:primaryLithology/diggs:Lithology/diggs:classificationCode. Since a code value may apply to several DIGGS elements, multiple associatedElements are allowed.
Diagram	

Type	string
Properties	content: simple minOccurs: 0 maxOccurs: unbounded
Source	<element maxOccurs="unbounded" minOccurs="0" name="associatedElement" type="string"> <annotation> <documentation>The XPATH of the Diggs element for which this code/property applies, eg. for the lithology classification code: /diggs:Diggs/diggs:observation/diggs:LithologySystem/diggs:lithologyObservation/diggs:LithologyObservation/diggs:primaryLithology/diggs:Lithology/diggs:classificationCode. Since a code value may apply to several DIGGS elements, multiple associatedElements are allowed.</documentation> </annotation> </element>
Schema location	file:/Users/dponti/GitHub/diggs-schema/Dictionary_diggs.xsd

Element diggs:Dictionary

Namespace	http://diggsml.org/schemas/2.6

Diagram


diggs:DictionaryType
Base Type diggs:DefinitionType
diggs:DefinitionType (extension base)
Base Type gml:DefinitionType
gml:DefinitionType (extension base)
gml:DefinitionBaseType (extension base)
gml:AbstractGMLType (restriction base)
Attributes
gml:id
Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which...
gml:StandardObjectProperties
gml:description
The value of this property is a text description of the object. gml:description uses gml:StringOrRefType as its content...
gml:descriptionReference
The value of this property is a remote text description of the object. The xlink:href attribute of the...
gml:identifier
Often, a special identifier is assigned to an object by the maintaining authority with the intention that it is used in...
0..∞
gml:name
The gml:name property provides a label or identifier for the object, commonly a descriptive name. An object may have...
Attributes
gml:id
Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which...
gml:description
The value of this property is a text description of the object. gml:description uses gml:StringOrRefType as its content...
gml:descriptionReference
The value of this property is a remote text description of the object. The xlink:href attribute of the...
gml:identifier
Often, a special identifier is assigned to an object by the maintaining authority with the intention that it is used in...
0..∞
gml:name
The gml:name property provides a label or identifier for the object, commonly a descriptive name. An object may have...
gml:remarks
Dictionary
Type diggs:DictionaryType
dataType
Type diggs:PropertyDataTypeEnumType
The data type of the property, eg. integer, string, etc. From an enumerated list
uomType
Type diggs:PropertyUomTypeEnumType
The type or classification of the unit of measure for properties that have numeric values. From an enumerated list.
authority
Type string
Name of the organization or authority that controls the term
0..∞
associatedElement
Type string
The XPATH of the Diggs element for which this code/property applies, eg. for the lithology classification code:...
0..∞
dictionaryEntry
Type diggs:DictionaryEntryType
Substitution Group
Definition
Type diggs:DefinitionType
Abstract false

Type	diggs:DictionaryType
Type hierarchy	• gml:AbstractGMLType • gml:DefinitionBaseType • gml:DefinitionType • diggs:DefinitionType • diggs:DictionaryType
Properties	content: complex
Substitution Group Affiliation	• diggs:Definition
Model	gml:description{0,1} , gml:descriptionReference{0,1} , gml:identifier , gml:name* , gml:remarks{0,1} , diggs:dataType{0,1} , diggs:uomType{0,1} , diggs:authority{0,1} , diggs:associatedElement* , (diggs:dictionaryEntry)
Children	diggs:associatedElement, diggs:authority, diggs:dataType, diggs:dictionaryEntry, diggs:uomType, gml:description, gml:descriptionReference, gml:identifier, gml:name, gml:remarks

Instance

```
<diggs:Dictionary gml:id="" xmlns:diggs="http://diggsml.org/schemas/2.6" xmlns:gml="http://
www.opengis.net/gml/3.2">
  <gml:description xlink:actuate="" xlink:arcrole="" xlink:href="" nilReason="" xlink:role="" xlink:show="" xlink:t
gml:description>
  <gml:descriptionReference xlink:actuate="" xlink:arcrole="" xlink:href="" nilReason="" owns="false" xlink:role="
gml:descriptionReference>
  <gml:identifier codeSpace="">{1,1}</gml:identifier>
  <gml:name codeSpace="">{0,unbounded}</gml:name>
  <gml:remarks>{0,1}</gml:remarks>
  <diggs:dataType>{0,1}</diggs:dataType>
  <diggs:uomType>{0,1}</diggs:uomType>
  <diggs:authority>{0,1}</diggs:authority>
  <diggs:associatedElement>{0,unbounded}</diggs:associatedElement>
  <diggs:dictionaryEntry xlink:actuate="" xlink:arcrole="" xlink:href="" nilReason="" owns="false" xlink:role="" x
diggs:dictionaryEntry>
</diggs:Dictionary>
```

Attributes

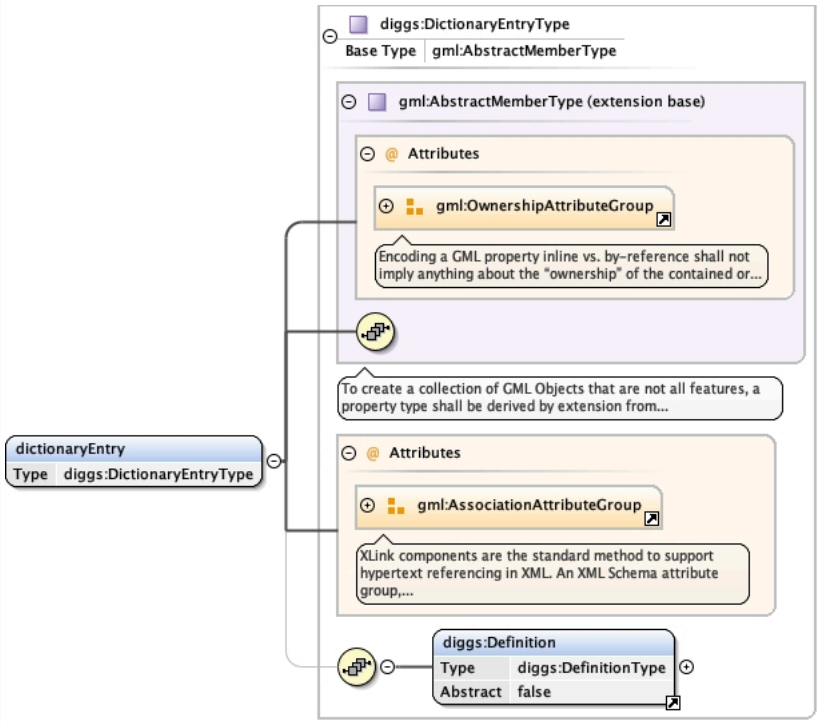
QName	Type	Use	
gml:id	ID	required	
	Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.		

Source	`<element name="Dictionary" type="diggs:DictionaryType" substitutionGroup="diggs:Definition"/>`
Schema location	file:/Users/dponti/GitHub/diggs-schema/Dictionary_diggs.xsd

Element diggs:DictionaryType / diggs:dictionaryEntry

Namespace	http://diggsml.org/schemas/2.6

Diagram



Type	diggs:DictionaryEntryType
Type hierarchy	• gml:AbstractMemberType • diggs:DictionaryEntryType
Properties	content: complex
Model	diggs:Definition
Children	diggs:Definition

Instance

```
<diggs:dictionaryEntry xlink:actuate="" xlink:arcrole="" xlink:href="" nilReason="" owns="false" xlink:role="" xlin
diggsml.org/schemas/2.6">
  <diggs:Definition gml:id="">{1,1}</diggs:Definition>
</diggs:dictionaryEntry>
```

Attributes

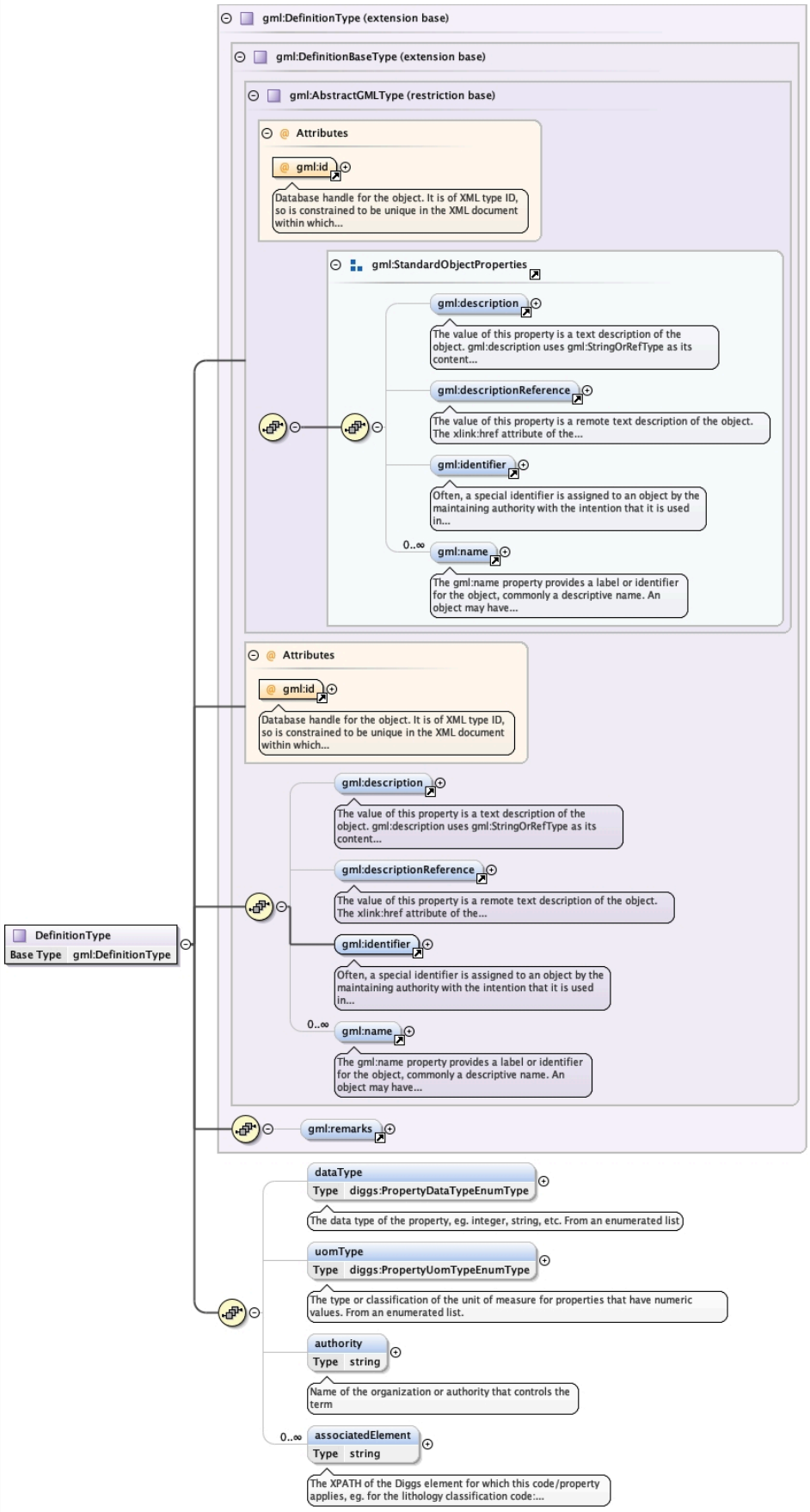
QName	Type	Fixed	Default	Use	
nilReason	gml:NilReasonType			optional	
owns	boolean		false	optional	
xlink:actuate	restriction of string			optional	
	The 'actuate' attribute is used to communicate the desired timing of traversal from the starting resource to the ending resource; it's value should be treated as follows: onLoad - traverse to the ending resource immediately on loading the starting resource onRequest - traverse from the starting resource to the ending resource only on a post-loading event triggered for this purpose other - behavior is unconstrained; examine other markup in link for hints none - behavior is unconstrained				
xlink:arcrole	anyURI			optional	
xlink:href	anyURI			optional	
xlink:role	anyURI			optional	
xlink:show	restriction of string			optional	
	The 'show' attribute is used to communicate the desired presentation of the ending resource on traversal from the starting resource; it's value should be treated as follows: new - load ending resource in a new window, frame, pane, or other presentation context replace - load the resource in the same window, frame, pane, or other presentation context embed - load ending resource in place of the presentation of the starting resource				

	QName	Type	Fixed	Default	Use	
		other - behavior is unconstrained; examine other markup in the link for hints none - behavior is unconstrained				
	xlink:title	string			optional	
	xlink:type	string	simple		optional	
Source	<element name="dictionaryEntry" type="diggs:DictionaryEntryType"/>					
Schema location	file:/Users/dponti/GitHub/diggs-schema/Dictionary_diggs.xsd					

Complex Type(s)

Complex Type `diggs:DefinitionType`

Namespace	http://diggsml.org/schemas/2.6

Diagram	
Type	extension of gml:DefinitionType

Type hierarchy	• gml:AbstractGMLType • gml:DefinitionBaseType • gml:DefinitionType • diggs:DefinitionType
Used by	Element diggs:Definition Complex Type diggs:DictionaryType
Model	gml:description{0,1} , gml:descriptionReference{0,1} , gml:identifier , gml:name* , gml:remarks{0,1} , diggs:dataType{0,1} , diggs:uomType{0,1} , diggs:authority{0,1} , diggs:associatedElement*
Children	diggs:associatedElement, diggs:authority, diggs:dataType, diggs:uomType, gml:description, gml:descriptionReference, gml:identifier, gml:name, gml:remarks

Attributes

QName	Type	Use	
gml:id	ID	required	
	Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.		

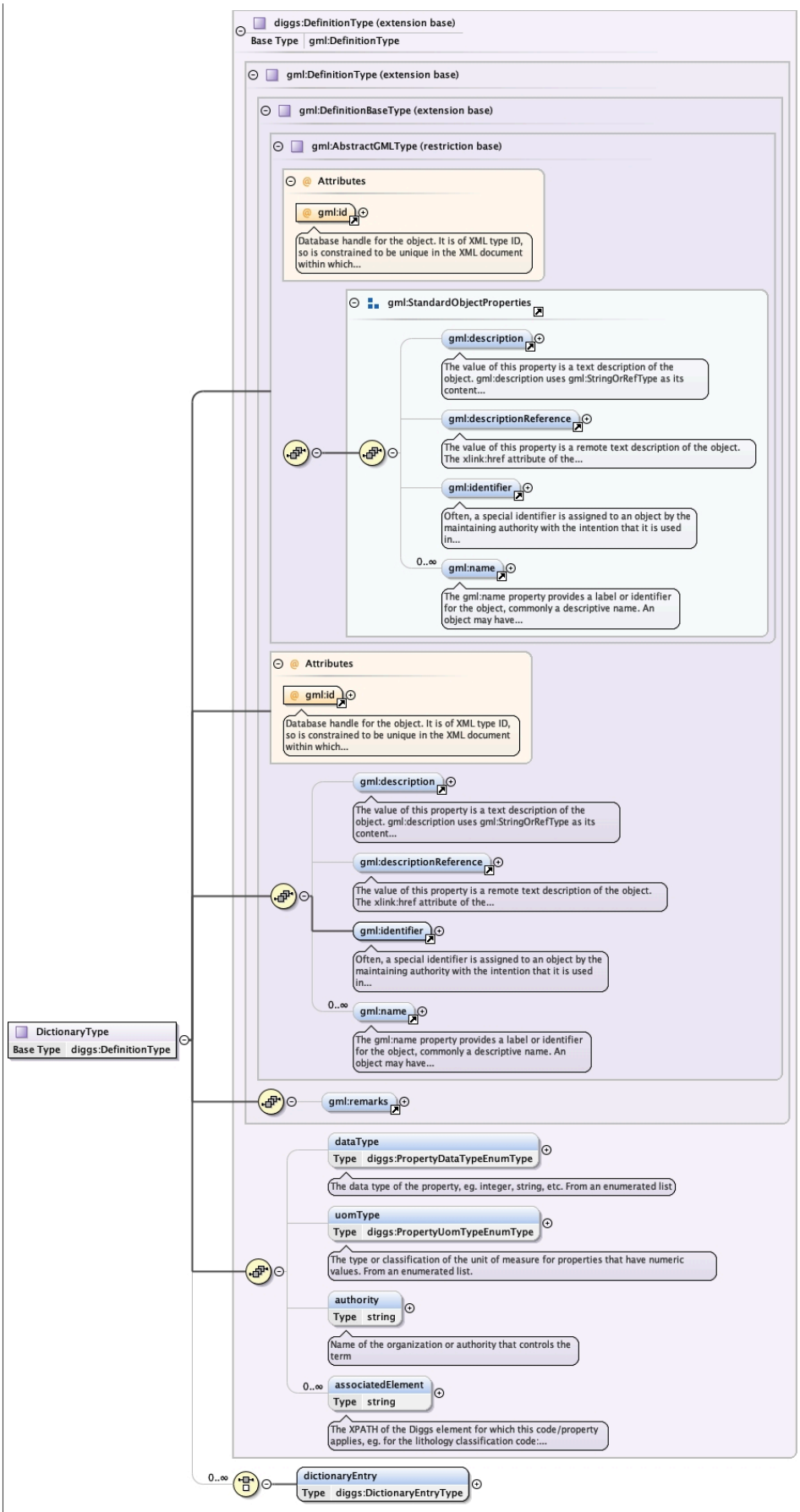
Source

```
<complexType name="DefinitionType">
  <complexContent>
    <extension base="gml:DefinitionType">
      <sequence>
        <element minOccurs="0" name="dataType" type="diggs:PropertyDataTypeEnumType">
          <annotation>
            <documentation>The data type of the property, eg. integer, string, etc. From an
 enumerated list</documentation>
          </annotation>
        </element>
        <element minOccurs="0" name="uomType" type="diggs:PropertyUomTypeEnumType">
          <annotation>
            <documentation>The type or classification of the unit of measure for properties that
 have numeric values. From an enumerated list.</documentation>
          </annotation>
        </element>
        <element minOccurs="0" name="authority" type="string">
          <annotation>
            <documentation>Name of the organization or authority that controls the term</
documentation>
          </annotation>
        </element>
        <element maxOccurs="unbounded" minOccurs="0" name="associatedElement" type="string">
          <annotation>
            <documentation>The XPATH of the Diggs element for which this code/property applies,
 eg. for the lithology classification code: /diggs:Diggs/diggs:observation/diggs:LithologySystem/
diggs:lithologyObservation/diggs:LithologyObservation/diggs:primaryLithology/diggs:Lithology/
diggs:classificationCode. Since a code value may apply to several DIGGS elements, multiple
 associatedElements are allowed.</documentation>
          </annotation>
        </element>
      </sequence>
    </extension>
  </complexContent>
</complexType>
```

Schema location: file:/Users/dponti/GitHub/diggs-schema/Dictionary_diggs.xsd

Complex Type `diggs:DictionaryType`

Namespace	http://diggsml.org/schemas/2.6

Diagram	
Type	extension of diggs:DefinitionType

Type hierarchy	• gml:AbstractGMLType • gml:DefinitionBaseType • gml:DefinitionType • diggs:DefinitionType • diggs:DictionaryType
Used by	Element diggs:Dictionary
Model	gml:description{0,1} , gml:descriptionReference{0,1} , gml:identifier , gml:name* , gml:remarks{0,1} , diggs:dataType{0,1} , diggs:uomType{0,1} , diggs:authority{0,1} , diggs:associatedElement* , (diggs:dictionaryEntry)
Children	diggs:associatedElement, diggs:authority, diggs:dataType, diggs:dictionaryEntry, diggs:uomType, gml:description, gml:descriptionReference, gml:identifier, gml:name, gml:remarks

Attributes

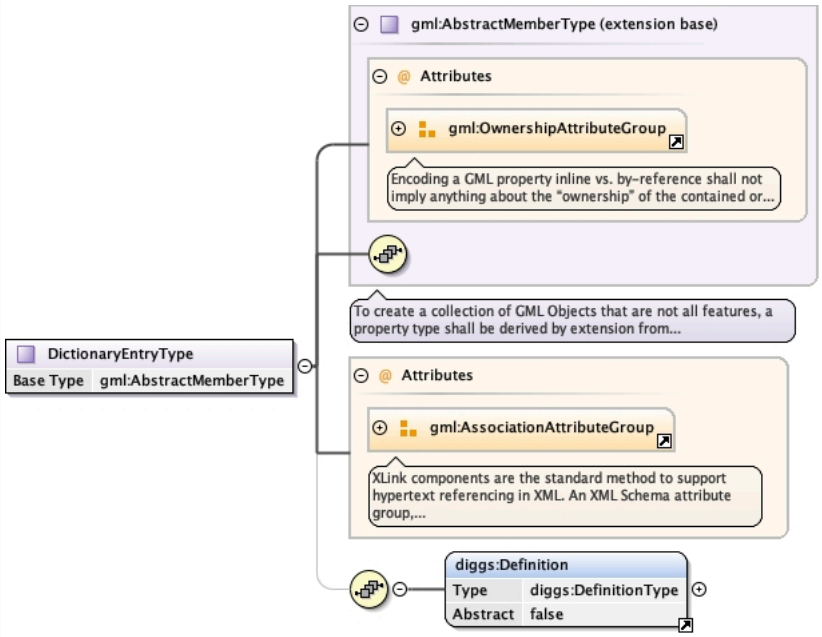
QName	Type	Use	
gml:id	ID	required	
	Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.		

Source

```
<complexType name="DictionaryType">
  <complexContent>
    <extension base="diggs:DefinitionType">
      <choice maxOccurs="unbounded" minOccurs="0">
        <element name="dictionaryEntry" type="diggs:DictionaryEntryType"/>
      </choice>
    </extension>
  </complexContent>
</complexType>
```

Schema location	file:/Users/dponti/GitHub/diggs-schema/Dictionary_diggs.xsd

Complex Type `diggs:DictionaryEntryType`

Namespace	http://diggsml.org/schemas/2.6
Diagram	
Type	extension of gml:AbstractMemberType
Type hierarchy	• gml:AbstractMemberType • diggs:DictionaryEntryType

<table>
<tr><td>Used by</td><td>Element diggs:DictionaryType/diggs:dictionaryEntry</td></tr>
<tr><td>Model</td><td>diggs:Definition</td></tr>
<tr><td>Children</td><td>diggs:Definition</td></tr>
<tr><td>Attributes</td><td>
<table>
<tr><th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th><th></th></tr>
<tr><td>nilReason</td><td>gml:NilReasonType</td><td></td><td></td><td>optional</td><td></td></tr>
<tr><td>owns</td><td>boolean</td><td></td><td>false</td><td>optional</td><td></td></tr>
<tr><td>xlink:actuate</td><td>restriction of string</td><td></td><td></td><td>optional</td><td></td></tr>
<tr><td></td><td colspan="5">The 'actuate' attribute is used to communicate the desired timing
of traversal from the starting resource to the ending resource;
it's value should be treated as follows:
onLoad - traverse to the ending resource immediately on loading
the starting resource
onRequest - traverse from the starting resource to the ending
resource only on a post-loading event triggered for
this purpose
other - behavior is unconstrained; examine other markup in link
for hints
none - behavior is unconstrained</td></tr>
<tr><td>xlink:arcrole</td><td>anyURI</td><td></td><td></td><td>optional</td><td></td></tr>
<tr><td>xlink:href</td><td>anyURI</td><td></td><td></td><td>optional</td><td></td></tr>
<tr><td>xlink:role</td><td>anyURI</td><td></td><td></td><td>optional</td><td></td></tr>
<tr><td>xlink:show</td><td>restriction of string</td><td></td><td></td><td>optional</td><td></td></tr>
<tr><td></td><td colspan="5">The 'show' attribute is used to communicate the desired presentation
of the ending resource on traversal from the starting resource; it's
value should be treated as follows:
new - load ending resource in a new window, frame, pane, or other
presentation context
replace - load the resource in the same window, frame, pane, or
other presentation context
embed - load ending resource in place of the presentation of the
starting resource
other - behavior is unconstrained; examine other markup in the
link for hints
none - behavior is unconstrained</td></tr>
<tr><td>xlink:title</td><td>string</td><td></td><td></td><td>optional</td><td></td></tr>
<tr><td>xlink:type</td><td>string</td><td>simple</td><td></td><td>optional</td><td></td></tr>
</table>
</td></tr>
<tr><td>Source</td><td>

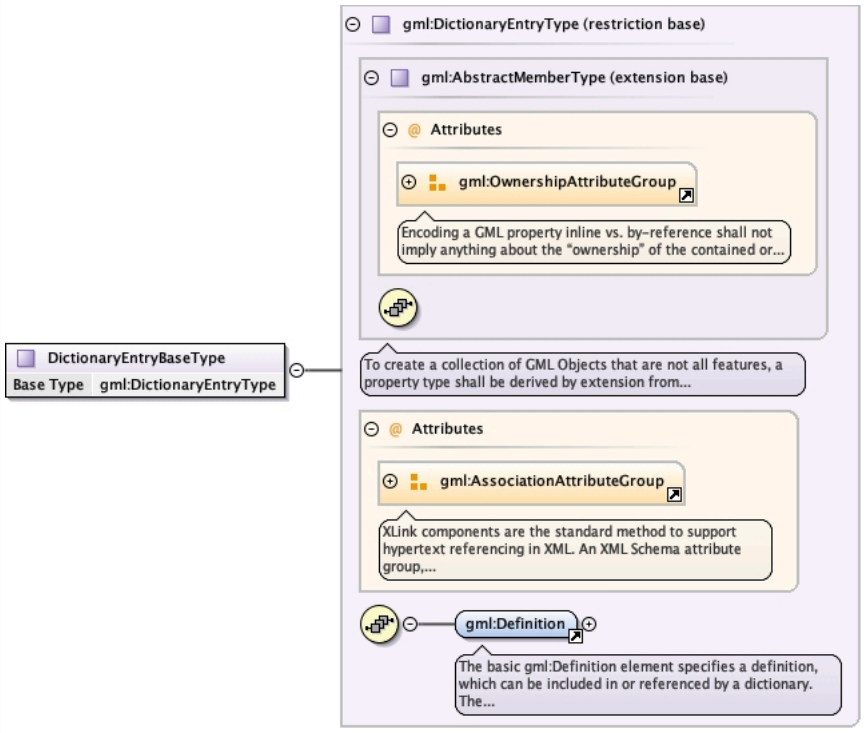
```
<complexType name="DictionaryEntryType">
  <complexContent>
    <extension base="gml:AbstractMemberType">
      <sequence minOccurs="0">
        <element ref="diggs:Definition"/>
      </sequence>
      <attributeGroup ref="gml:AssociationAttributeGroup"/>
    </extension>
  </complexContent>
</complexType>
```

</td></tr>
<tr><td>Schema location</td><td>file:/Users/dponti/GitHub/diggs-schema/Dictionary_diggs.xsd</td></tr>
</table>

Complex Type `diggs:DictionaryEntryBaseType`

Namespace	http://diggsml.org/schemas/2.6

Diagram



Type: restriction of gml:DictionaryEntryType

Type hierarchy:

- gml:AbstractMemberType
  - gml:DictionaryEntryType
    - diggs:DictionaryEntryBaseType

Attributes

QName	Type	Fixed	Default	Use	
nilReason	gml:NilReasonType			optional	
owns	boolean		false	optional	
xlink:actuate	restriction of string			optional	
	The 'actuate' attribute is used to communicate the desired timing of traversal from the starting resource to the ending resource; it's value should be treated as follows: onLoad - traverse to the ending resource immediately on loading the starting resource onRequest - traverse from the starting resource to the ending resource only on a post-loading event triggered for this purpose other - behavior is unconstrained; examine other markup in link for hints none - behavior is unconstrained				
xlink:arcrole	anyURI			optional	
xlink:href	anyURI			optional	
xlink:role	anyURI			optional	
xlink:show	restriction of string			optional	
	The 'show' attribute is used to communicate the desired presentation of the ending resource on traversal from the starting resource; it's value should be treated as follows: new - load ending resource in a new window, frame, pane, or other presentation context replace - load the resource in the same window, frame, pane, or other presentation context embed - load ending resource in place of the presentation of the starting resource other - behavior is unconstrained; examine other markup in the link for hints none - behavior is unconstrained				
xlink:title	string			optional	
xlink:type	string	simple		optional	

Source	<pre><complexType name="DictionaryEntryBaseType">
	  <complexContent>
	  <restriction base="gml:DictionaryEntryType"/>
	  </complexContent>
	</complexType></pre>

Schema location	file:/Users/dponti/GitHub/diggs-schema/Dictionary_diggs.xsd