

EML - Bug #3227

gRing is declared as GRingPointType

04/16/2008 04:08 PM - Margaret O'Brien

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|------------------------|--------------------|------------------------|------------|
| Status: | Resolved | Start date: | 04/16/2008 |
| Priority: | Normal | Due date: | |
| Assignee: | Matt Jones | % Done: | 0% |
| Category: | eml - general bugs | Estimated time: | 0.00 hour |
| Target version: | EML2.1.0 | Spent time: | 0.00 hour |
| Bugzilla-Id: | 3227 | | |

Description

There was a short email exchange on the LTER best-practices mailing list about some confusion in the coverage schema, in the declaration for datasetGPolygonOuterRing. Peter and Wade may remember it.

Basically, you have this:

```
<xs:element name="datasetGPolygonOuterGRing">
<xs:complexType>
<xs:choice>
<xs:sequence>
<xs:element name="gRingPoint" type="GRingPointType" minOccurs="3" maxOccurs="unbounded"/>
</xs:sequence>
<xs:element name="gRing" type="GRingPointType"/>
</xs:choice>
</xs:complexType>
</element>
```

The sequence of 3 or more <gRingPoint>s (lat-lon pairs) creates a ring, but the odd thing is that the other choice, <gRing> is also declared as a gRingPointType. There is a named type GRingType (a list of ordered pairs) which appears not to have been used, so it seems that gRing should have been declared a gRingType instead. Wade suggested this, but it never made it into this database.

If you all agree that this is indeed the case, I'll make the change and squeeze it into EML2.1.0rc3. It's better located in 2.1.0, since it won't be backward compatible when it is fixed. Sorry for the timing - I ran into it today while diving back into an SBC project.

Related issues:

Is duplicate of EML - Bug #3229: gRing is declared as GRingPointType

Resolved

04/16/2008

History

#1 - 04/16/2008 04:25 PM - Matt Jones

Yes, this is a bug and is basically unusable in its current state. Changing the type definition as you suggest would allow either syntax to be used to delineate the gring. Lets go ahead and fold it into 2.1 RC3 if you are so inclined.

#2 - 04/17/2008 10:37 AM - Margaret O'Brien

- Bug 3229 has been marked as a duplicate of this bug. ***

#3 - 09/22/2008 10:10 AM - Margaret O'Brien

changing status to "fixed"

#4 - 11/06/2008 04:09 PM - Margaret O'Brien

One other note:

The switch of GRing to GRingType was made months ago and this bug closed.

But I just noticed that GRing was a complexType that was completely empty, although the documentation states that it should have string content. It has been changed to simpleType in EML2.1. Probably this was never noticed in the past since this type was never used. I'm only putting a note here since it's related to the retyping of GRing.

#5 - 03/27/2013 02:22 PM - Redmine Admin

Original Bugzilla ID was 3227