

## EML - Bug #1124

### update precision field definition and cardinality

08/04/2003 10:52 AM - Matt Jones

<b>Status:</b>	Resolved	<b>Start date:</b>	08/04/2003
<b>Priority:</b>	Immediate	<b>Due date:</b>	
<b>Assignee:</b>	Matt Jones	<b>% Done:</b>	0%
<b>Category:</b>	eml - general bugs	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	EML2.0.1	<b>Spent time:</b>	0.00 hour
<b>Bugzilla-Id:</b>	1124		

#### Description

The precision field in eml-attribute is defined circularly and needs to be changed. In addition, although it is a fundamental part of attribute metadata, sometimes it is not available and because it is required it would prevent people from providing the rest of the attribute metadata that they may have.

Proposal: Change definition as below, and change cardinality to optional.

#### Proposed definition:

Precision indicates how close together or how repeatable measurements are. A precise measuring instrument will give very nearly the same result each time it is used. This means that someone interpreting the data should expect that if a measurement were repeated, most measured values would fall within the interval specified by the precision. The value of precision should be expressed in the same unit as the measurement. For example, for an attribute with unit "meter", a precision of "0.1" would be interpreted to mean that most repeat measurements would fall within an interval of 1/10th of a meter.

#### History

##### #1 - 09/17/2003 06:31 PM - Matthew Brooke

precision field under measurementScale/interval is currently shown as repeatable (1..inf), but under measurementScale/ratio it is not.

Both measurementScale/interval/precision and measurementScale/ratio/precision should be corrected to show a cardinality of 0..inf

##### #2 - 10/28/2003 10:02 AM - Matt Jones

Resolved. Proposed changes have been checked into cvs for precision field.

##### #3 - 03/27/2013 02:16 PM - Redmine Admin

Original Bugzilla ID was 1124