

## EML - Bug #472

### establish consistent namespaces for schemas

04/16/2002 10:09 AM - Matt Jones

<b>Status:</b>	Resolved	<b>Start date:</b>	04/16/2002
<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>	Beta7	<b>Spent time:</b>	0.00 hour
<b>Bugzilla-Id:</b>	472		

#### Description

EML currently uses namespaces of the form "eml:modulename" for each of the eml modules (e.g., eml:dataset). In contrast, we use version specific public identifiers for the EML dtDs (e.g., "-//ecoinformatics.org/eml-dataset-2.0.0beta6//EN"). The formal public identifiers will need to be updated with each revision of the standard, but benefit in that they allow one to specifically state which version of the module a document uses. This is important in systems where we need to be able to reliably validate documents.

So, I think we need to change the public namespaces for eml to be versioned like the public identifiers are. A format like this would do:  
"eml:eml-dataset-2.0.0beta7"

Note that I specifically did not choose to use an http URI for this namespace because of the intense controversy over resolvability of namespace URIs, and the later development of specs like RDDL. The namespace spec explicitly states that processors should NOT expect that a schema will reside at the namespace URI, nor even that the namespace URI is resolvable as an address. Thus, the "eml" scheme in the URI makes it clear that it is not a resolvable URL. We should rely on schemaLocation, or handle it in each schema processor.

This will need to be changed throughout the schema docs.

Also, need to add documentation in the DTDs describing the proper public identifier that should be used with the DTDs so that it is clear.

#### History

##### #1 - 05/03/2002 03:04 PM - Matt Jones

Fixed in previous releases (beta7 and beta8) as described. Need to keep this up to date for each release, but can close the bug.

##### #2 - 03/27/2013 02:14 PM - Redmine Admin

Original Bugzilla ID was 472