

XML Schema Coding Standards
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The latest version of XML Spy provides a schema documentation customization feature that can be used to extract schema data in various formats. This will make it much simpler to import data into the XML Registry and Repository and to create documentation for the Implementation Guide. To make this fully useful for this purpose, I propose that we make the following changes to the various schemas supported by PESCS. It should also be noted that these changes will not have any affect on the validation of instance documents currently used with these schemas.

1. Make all reusable elements global and replace their definitions in a complex type to a reference. XML Spy does this with a right click and menu selection to make a local element global. (We may also want to consider this approach for elements that would represent a PESCS Object so that we can align our approach with SIF.
2. Add the id attribute to all elements and use the classification scheme to uniquely identify each element. This would allow the extraction of the classification from the schema for import into the XML R&R: `<xs:element name="SectionName" id="school-academic-SectionName" type="SectionNameType">`
3. Add the text definition to each element by using the annotation documentation for the element. Since the elements that are used multiple times have been referenced, the definition will only need to be included once. This definition can then be extracted and used for the R and R and documentation.
4. Add the definition of each enumeration item to the annotation documentation for that item.
5. Find volunteers to go through the current Admission Record, Education Record, and core-main schemas and make the above changes with XML Spy.