DDI 3.3 Production Requirements and Validation

28 November 2018

In-line documentation in the transformation code should reference the rules that are being applied.

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| **Purpose** | DDI 3.3 Schema to csv (DDI to COGS /COGS model / COGS to DDI) - enhancements |
| **Description** | Transformation from DDI 3.3 schema to csv (COGS model) to reproduce the current 3.3 schema including choice;substitution groups |
| **Specification** | **Validation Criteria** | **Estimate** |
| 1 | Defining mapping rules various XSD-Constructs currently uncovered | Every used construct is covered. List of missing see above | 2 days |
| 2 | Columns and content capture all attributes to enable capability to generate published XSD | Generated 3.3 schema from csv is same as published 3.3 schema (excluding bugs!) | 2 days |
| 3 | Representation of choice in csv attributes | Choice elements appear in schema (May be a need for abstract classes) | 1 day |
| 4 | Representation of substitution groups in csv attributes | Substitution groups appear in schema (May be a need for abstract classes) | 1 day |
| 5 | Documentation is present for all elements in Description field | Documentation for all classes | 1 day |

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| **Purpose** | CSV to UML (PIM) |
| **Description** | Transformation from csv to UML (PIM) |
| **Specification** | **Validation Criteria** | **Estimate** |
| 1 | Content is same in both csv and UML | Content is same in csv & UML | 2 days |
| 2 | The following list of classes, properties and relationships must contain documentation | Property: Cardinality; DataType; DescriptionRelationship:TargetObject;Description;Source Cardinality;TargetCardinality;RelationshipType | 1 day |
| 3 | PIM will only contain those packages and functional views flagged for publication | Publication flag in csv. Might be solved by the appearance in the certain branches. Just merge into master what is ready for publication. | 0-1 days |
| 4 | Conformance with Canonical XMI standards | Conform to NIST validation rules | 1 day |

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| **Purpose** | High Level Documentation |
| **Description** | Support flexible documentation for definable groups of content |
| **Specification** | **Requirements** | **Estimate** |
| 1 | Definable groups of content which can have supporting documentation, e,g, topics have articles <https://github.com/Colectica/cogs/issues/36>  | Update COGS publisher | 2 days |

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| **Purpose** | Support insertion of examples into documentation |
| **Description** | Support for XML examples  |
| **Specification** | **Requirements** | **Estimate** |
| 1 | Support examples of XML examples to be associated with class level documentation | Update COGS Sphinx publisher (re-submit JJ code) | .5 days |
| 2 | Support examples of XML examples to be associated with defined content documentation .e.g. | Update COGS Sphinx publisher | 1 day |

