Quality Content Work Group Update

OAGi Spring Plenary November 1, 2017

Scott Nieman, Land O’Lakes
Evan Wallace, NIST
Frank Riddick, NIST
Agenda

• Participants
• Origin
• Release 10.4
• …and Beyond
Core Team – Participants

- Bob Phare, Command Alkon
- (late) Frank Heinrich, iBaseT
- Keith Unger, Independent Consultant/ISA-95 Chair
- *Scott Nieman, Land O’Lakes
- *Frank Riddick, NIST
- *Evan Wallace, NIST
- *David Connelly, OAGi Staff
- Mike Rowell, Oracle / OAGi Staff
- Jim Wilson, OAGi Staff / AgGateway
- Lakshmi Alapakam, Infor
What problems have we solved?

• Address gaps in the OAGIS standard to support Quality Management
• Address increased cross-industry focus on quality and transparency
• Support Master Data management and Operational needs
# Quality Content Work Group Deliverables

<table>
<thead>
<tr>
<th>Infor Submission</th>
<th>OAGIS Noun</th>
<th>UML Models</th>
<th>Noun XSD</th>
<th>Scope</th>
</tr>
</thead>
<tbody>
<tr>
<td>QualityTestMaster</td>
<td>TestMethod</td>
<td>Complete</td>
<td>Released 10.2.1</td>
<td></td>
</tr>
<tr>
<td>QualitySpecification</td>
<td>TestSpecification</td>
<td>Complete</td>
<td>Released 10.2.1</td>
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<tr>
<td>InspectionOrder</td>
<td>InspectionOrder</td>
<td>Complete</td>
<td>Released 10.2.1 Changed in 10.4</td>
<td>SamplingProtocol targeted for 10.5+</td>
</tr>
<tr>
<td>QualityTestResults</td>
<td>TestResults</td>
<td>Complete</td>
<td>Released 10.2.1 Changed in 10.3</td>
<td></td>
</tr>
<tr>
<td>CorrectiveActionRequest</td>
<td>Complete</td>
<td></td>
<td>Released in 10.3</td>
<td></td>
</tr>
<tr>
<td>CorrectionActionPlan</td>
<td>CorrectiveActionPlan</td>
<td>Complete</td>
<td>Released in 10.3</td>
<td></td>
</tr>
<tr>
<td>CorrectiveAction</td>
<td>Complete</td>
<td></td>
<td>Released in 10.3</td>
<td></td>
</tr>
<tr>
<td>DefectiveMaterialNotice</td>
<td>ItemNonconformance</td>
<td>No QCWG work needed</td>
<td>Released in 10.0</td>
<td></td>
</tr>
<tr>
<td>EquipmentCalibrationRecord</td>
<td>Not Started</td>
<td></td>
<td>Target 10.5 MRO, systemic bias,</td>
<td></td>
</tr>
<tr>
<td>SamplingPlan</td>
<td>Rework needed; Noun completion requires vetting with statistical experts</td>
<td></td>
<td>Target 10.5</td>
<td></td>
</tr>
</tbody>
</table>
OAGIS-enabled Quality Management Business Capabilities
InspectionOrder changes for 10.4

GetInspectionOrder-ShowInspectionOrder

New Scenario: Get/Show request/response web service regarding the status of a submitted InspectionOrder
InspectionOrder changes for 10.4

• Status element at multiple levels
  – Child of InspectionOrder
  – Child of TestRequest
  – Child of Sample

• Requester needs to know when all the test results will be finished
  – New field PlannedCompletionDateTime element will be sibling to Status element

• At times, not enough matter is available to complete test, where a new sample may be necessary

• Currently a test case for SRT workflow to submit extension to the OAGIS standard

• May need to mockup the proposed noun XSD, depending on SRT test
Plan for 10.5+

- **SamplingProtocol** - The sampling protocol is the procedure used to select (gather) units from the study population to be measured. The goal of the sampling protocol is to select units that are representative of the study population with respect to the attribute(s) of interest.

- Continued maintenance of existing nouns
Sampling Protocol Work Efforts to date

- Gathering numerous examples primarily in Agricultural industry
- Vision is to provide ability to retrieve Sampling Protocol over mobile devices
- Procedural Step is verbose text
- Work has been to model attributes that could extracted from this text (names, measured values, etc.)
- Attempt to reuse/ leverage ProcedureStepBaseType, making it more abstract without breaking XPATH (keeping promise of backwards compatibility)
- Model is not ready to begin effort to build message structure
Sampling Protocol Use Case

Business has not prioritized at this time
Priorities

• Other work groups activities seem to have higher priority (Mobile JSON, SRT, BPCCS, SMB, IOF)
• Discussion: Should QCWG go into hiatus, and address maintenance items as needed? Weekly meetings may not be warranted.
THANK YOU!