

# 2021-07-23 IISOMI Meeting notes

## Date

23 Jul 2021

## Attendees

- LoreLei Rouvrais
- Xiang YUN
- Andrea Mazzini
- Hing-Kam Lam
- Italo Busi (ITU-T Q14/15)
- Nigel Davis
- Martin Skorupski
- Alex Stancu
- Bernd Zeuner

## Apology

- Scott Mansfield

## Agenda

- Administrative
  - Call plan (schedule, leader)
  - Review [IISOMI Action Items](#)
- UML YANG Mapping Tool update
  - O-RAN interest and potential redevelopment support
  - Cleanup of the existing public GitHub (ONF EAGLE), rationalize the forks/branches,
  - Identify different releases, Release management, and release plan; e.g., current ITU-T Q14/15 version and TAPI version are different
  - How to merge the private GitHub development into the public GitHub (ONF EAGLE)
- Convention of UML property names in document/comment/description
- Gendoc output for Interfaces and Operations and Association
- Papyrus-Model2Doc further investigations?
- Papyrus 5.0.0 Version (202106)
- Agenda of next call
- AOB

## Discussion items

| # | Time  | Item  | Who | Notes  |
|---|-------|---|-----|--|
| 1 | 5 min | Admin: Call plan                                  | All | 23 Jul 2021 Leader: <a href="#">Bernd Zeuner</a> (Not available: Scott)<br><br>30 Jul 2021 Leader: <a href="#">Nigel Davis</a><br><br>06 Aug 2021 Leader: <a href="#">Andrea Mazzini</a><br><br>13 Aug 2021 Leader: <a href="#">Scott Mansfield</a> (Not available: Andrea)<br><br>20 Aug 2021 Leader: <a href="#">Hing-Kam Lam</a> (Not available: Nigel, Andrea)<br><br>27 Aug 2021 <b>Cancelled</b> (Not available: Nigel, Andrea, Italo)<br><br>03 Sep 2021 Leader: (Not available: Bernd)<br><br>10 Sep 2021 Leader: (Not available: Bernd) |
| 2 | 5 min | Admin: <a href="#">IISOMI Action Items</a> status | All | <b>IISOMI Action Items review (every meeting)</b><br><br><b>Action item discussed:</b><br><br><input checked="" type="checkbox"/> Nigel Davis 30 Jul 2021: Further updates on issue of "UML comments often include construct name formatted according to the UML guidelines. When the UML is converted to Yang the construct names are then incorrectly formatted." <ul style="list-style-type: none"><li>• Moved the target date from July 23 to 30 July.</li></ul> No update on the other open action items.                                   |

|   |        |  |  |  |
|---|--------|--|--|--|
| 3 | 50 min | UML YANG Mapping Tool:<br>O-RAN interest and potential redevelopment support | LoreLei<br>Rouvrais<br><br>Nigel<br>Davis<br><br>Martin<br>Skorups<br>ki | <p>O-RAN Alliance is looking for tooling and may also be able to fund the work on tooling. Created a small "<a href="#">Tooling Coordination Team</a>" that produced a slide set "WG10 Tooling proposal" on that topic.</p> <p>Martin presented the slide set:</p> <ul style="list-style-type: none"> <li>• Input from various SDOs into the O-RAN information model (written in Papyrus) which is the "single source of truth"</li> <li>• Use Gendoc to create pdf-version of the information model</li> <li>• Need to create an O-RAN YANG specification which need to be able to import also existing YANG specifications from other SDOs</li> <li>• Not clear if re-engineering of existing YANG specifications to UML is required by O-RAN; e.g., 3GPP is not using Papyrus</li> <li>• See also <a href="#">Project proposal for UML-To-YANG</a> <ul style="list-style-type: none"> <li>• Goal: Complete tool supported project lifecycle</li> </ul> </li> <li>• O-RAN is using Papyrus 2020-06 with the latest profiles</li> <li>• O-RAN wants to harmonize terminology/semantic among their teams using UML</li> <li>• UML model validation is required</li> <li>• O-RAN will provide 4 interfaces</li> <li>• Preferred is a Linux Foundation project that works on the tools</li> <li>• IISOMI Guidelines shall be used</li> <li>• Need to estimate the effort that is required for the tooling (may need to rewrite the mapping tool from scratch because a complete restructuring is necessary)</li> </ul> <p>Further discussion next week when Scott is available</p> |
| 4 |        | Convention of UML property names in document/comment /description            | Kam  | Not discussed. Deferred to next call.  |
| 5 |        | Gendoc output for Interfaces and Operations and Association                  | All  | Not discussed. Deferred to next call.  |
| 6 |        | Papyrus-Model2Doc feature  | Scott<br>Mansfield   | <p><b>May 14: 2021-05-14 IISOMI Meeting notes</b></p> <p>Scott Mansfield presented the Model2Doc feature from Papyrus</p> <ul style="list-style-type: none"> <li>• still in pre-release state</li> <li>• need to install Model2Doc tool integrated into Eclipse 2021-03 (nightly build) and Papyrus 5.1 (nightly) and Model2Doc (0.8.0 nightly)</li> <li>• requires Java version greater than 11</li> <li>• creates Word files</li> <li>• need to check if Model2Doc provides at least the functionality of Gendoc</li> <li>• <i>Gendoc does not work with newer Papyrus versions (see below)</i></li> <li>• Further investigation is required</li> <li>• Work continues to create a model2doc template that produces the same material as the gendoc template (class /attribute/datatype/stereotype etc.)</li> </ul> <p>GenDoc no longer work with Eclipse Papyrus 2020-06.</p> <p><b>May 28: 2021-05-28 IISOMI Meeting notes</b></p> <ul style="list-style-type: none"> <li>• Scott Mansfield will check whether the current statement in <a href="#">Papyrus Releases</a> is valid, i.e. that Gendoc couldn't work with <a href="#">2020-12 (4.18)</a> Eclipse release.</li> <li>• Scott Mansfield indicates that in O-RAN they are deprecating Papyrus in favor of direct editing of data models together with PlantUML.</li> </ul> <p><b>June 11:</b> No discussion</p> <p><b>July 9:</b> No discussion</p> <p><b>July 23:</b> No discussion</p>  |
| 7 |        | Papyrus 5.0.0 Version  |  | <p><b>June 11:</b> No discussion</p> <p><b>July 9:</b> No discussion</p> <p><b>July 23:</b> No discussion</p>  |
| 8 |        | GenDoc Issues  | All<br>Hing-<br>Kam<br>Lam   | <p><b>May 14: 2021-05-14 IISOMI Meeting notes</b></p> <ul style="list-style-type: none"> <li>• GenDoc didn't generate constraint</li> <li>• GenDoc didn't generate the Interface definitions</li> <li>• GenDoc didn't generate the Type of pointed external (imported) classes</li> <li>• GenDoc OstigOTpSource::txt:EByte multiplicity [64] is not generated correctly</li> <li>• AI (5/28/2021): Scott Mansfield 11 Jun 2021 to look at all GenDoc issues above and try to find solutions</li> </ul> <p><b>May 28: 2021-05-28 IISOMI Meeting notes</b></p> <ul style="list-style-type: none"> <li>• Discussed possible output formats of interfaces/operations.</li> </ul> <p><b>July 23:</b> No discussion</p>  |
| 9 |        | Agenda of next call  | All  | <ul style="list-style-type: none"> <li>• Administrative <ul style="list-style-type: none"> <li>• Call plan (schedule, leader)</li> <li>• Review IISOMI Action Items</li> </ul> </li> <li>• UML YANG Mapping Tool update <ul style="list-style-type: none"> <li>• O-RAN co-operation</li> <li>• Private GitHub</li> <li>• Cleanup of the existing public GitHub (ONF EAGLE), rationalize the forks/branches,</li> <li>• Identify different releases, Release management, and release plan; e.g., current ITU-T Q14/15 version and TAP1 version are different</li> <li>• How to merge the private GitHub development into the public GitHub (ONF EAGLE)</li> </ul> </li> <li>• Convention of UML property names in document/comment/description</li> <li>• Gendoc output for Interfaces and Operations and Association</li> <li>• Papyrus-Model2Doc further investigations?</li> <li>• Papyrus 5.0.0 Version (2021-06)</li> <li>• Agenda of next call</li> <li>• AOB</li> </ul>  |

Action items

-