

Interoperability SIG Report, 2021/22

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Overview

- SIG Charter
- SIG Membership
- SIG Work process
- Joint work with M&T SIG
- COLTT
- CO-LaN Test Suite
- Plans for 2022/23
- Q&A

Interoperability SIG Charter

Task:

- To provide tools and advice to support the achievement of CAPE-OPEN interoperability and to carry out interoperability testing where appropriate.

Key Responsibilities:

- Provide new tools, as required, to support the achievement of CAPE-OPEN interoperability by PMC and PME developers
 - Current focus on CO-LaN Test Suite
- Develop and maintain the existing CO-LaN portfolio of software tools
 - COLTT and TLB/PIA Installers
 - Example codes and wizards are made available, but no maintenance
- Assigning of version number following updates to the Specifications
- Use the suite of vendor-licensed software available to CO-LaN to assist in interoperability testing

SIG Membership, September 2022

Malcolm Woodman,

M R Woodman Consulting Ltd

Michel Pons,

Chief Technology Officer

Michael Halloran provides expert consultancy on an ad-hoc basis

One or more new member of the SIG is still required. Needs to be:

- Familiar with CO software development
- Good knowledge of IT architecture & development tools
- Independent of the M&T SIG

Interoperability SIG Work Process

- Regular joint meetings with M&T SIG, covering issues that overlap the 2 SIGs
- Interoperability SIG oversees the work done by the CO-LaN Software Development Resource
- Independent work by individual SIG members between the calls

- The monthly SIG calls are currently on hold, until membership is more than MRW and MP

Versioning Protocol

- ❑ Jointly with M&T SIG
- ❑ Versioning document updated with clarifications and readability enhancements
 - Will be submitted to MB for final approval
- ❑ Protocol
 - *Major.minor.build.patch*
 - *Major & Minor* – Breaking changes
 - *Build* – Additive changes
 - *Patch* – Bug fixes
- ❑ Interoperability SIG will make final decisions on assigning of version number, to avoid any issues arising from simultaneous developments by SIGs

Documentation of Tests

- ❑ **Jointly with M&T SIG**
- ❑ **A template has been developed for documentation of tests**
 - **For implementation in CO-LaN Test Suite**
 - **Uses Identification Interface as example**
- ❑ **Will be provided to SIGs for documenting the tests for all other interfaces**

COLTT

- ❑ COLTT V2.5 has not yet been released
- ❑ Is designed to cover
 - Latest versions of development tools
 - Addition of:
 - Energy & Information ports
 - Flowsheet Monitoring
- ❑ Delayed by:
 - Issues with releasing TLB/PIA Installer V2.1.2
 - Lack of available implementations to test Flowsheet Monitoring
 - Focus on CO-LaN Test Suite
- ❑ Will look to release in 2023 (but not guaranteed)

CO-LaN Test Suite

- V0.2.0 now available
- Issues have been addressed following vendor feedback
- A number of tickets have been logged, but are still open
- Tests for Identification Interface have been implemented
- Tests for Property Package compliance have been partially documented and implemented
- See following presentation “An update on Certification & the CO-LaN Test Suite” for details!

Interoperability SIG – Plans for 2022/23

- Recruit at least one additional member to the SIG
- Management of & support to continued development of CO-LaN Test Suite
 - **2022 / First half of 2023**
 - V0.2.1 - All open tickets addressed
 - V0.2.2 - Full compliance testing for Thermo Packages
 - **Late 2023**
 - Production release, V1.0
- Other maintenance of COLTT & TLB/PIA installer as required
- Continued regular meetings with M&T SIG

Q&A

Thank you.

Any questions?