



UCAIUG users meeting

CIGRE 2018 – Paris





Agenda

1. Opening
2. Appointment of secretary
3. Introduction round of participants
4. Changes within UCA
5. Status Edition 1 testing (end-of-life)
6. Status of the draft UCAlug QAP
7. Announcement IOP 2019
8. Status CIM Conformance testing
9. Any other business?
10. Closure



Housekeeping

- Appointment of secretary
- Any additions or suggestions for the agenda?
- Introductions



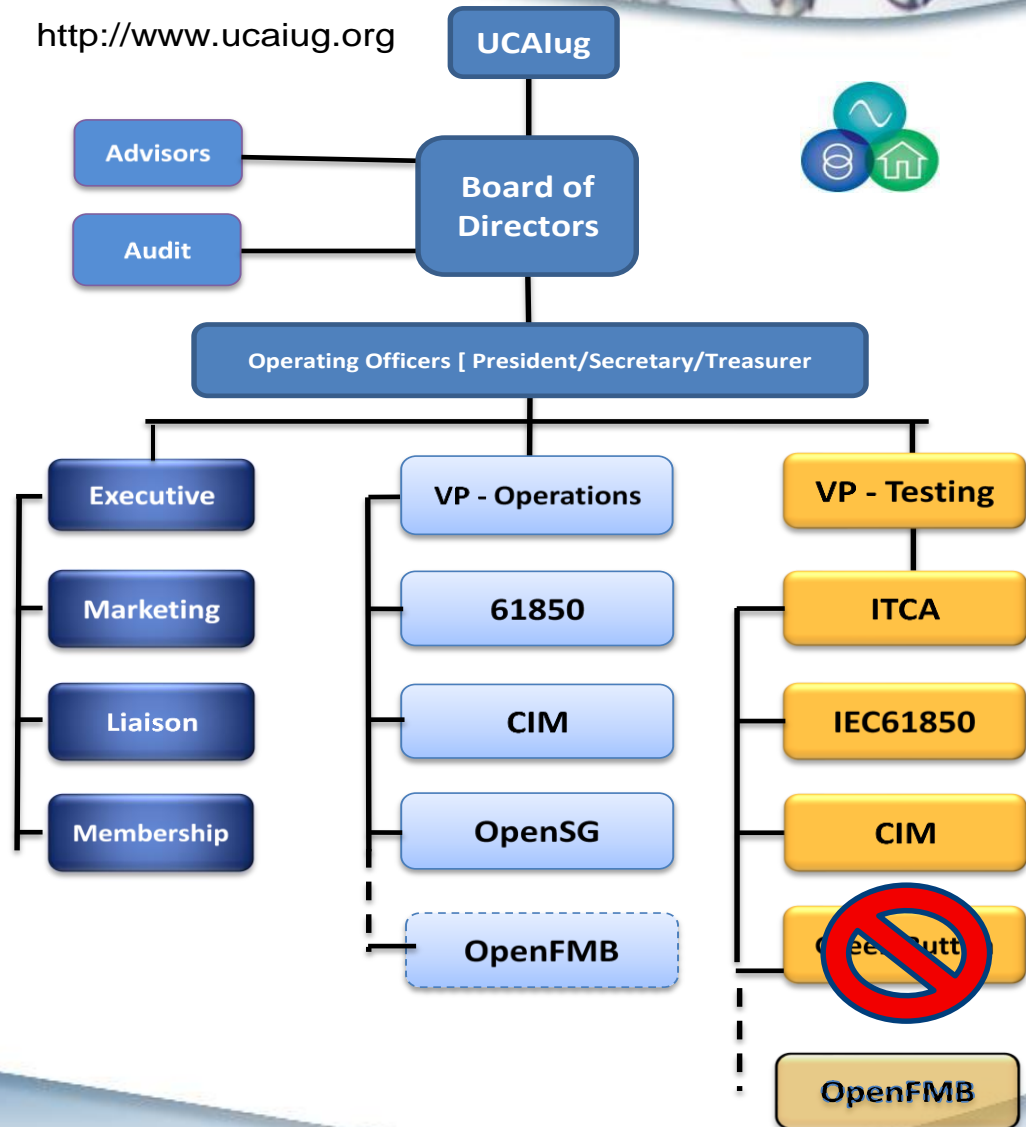
Changes within the UCA

- a. UCA Reorg and Reactivation of the Testing Committee (differentiation from TPWG)
- b. New committee UCA/OpenFMB
- c. Face to Face meeting 2019
- d. Tissue database status

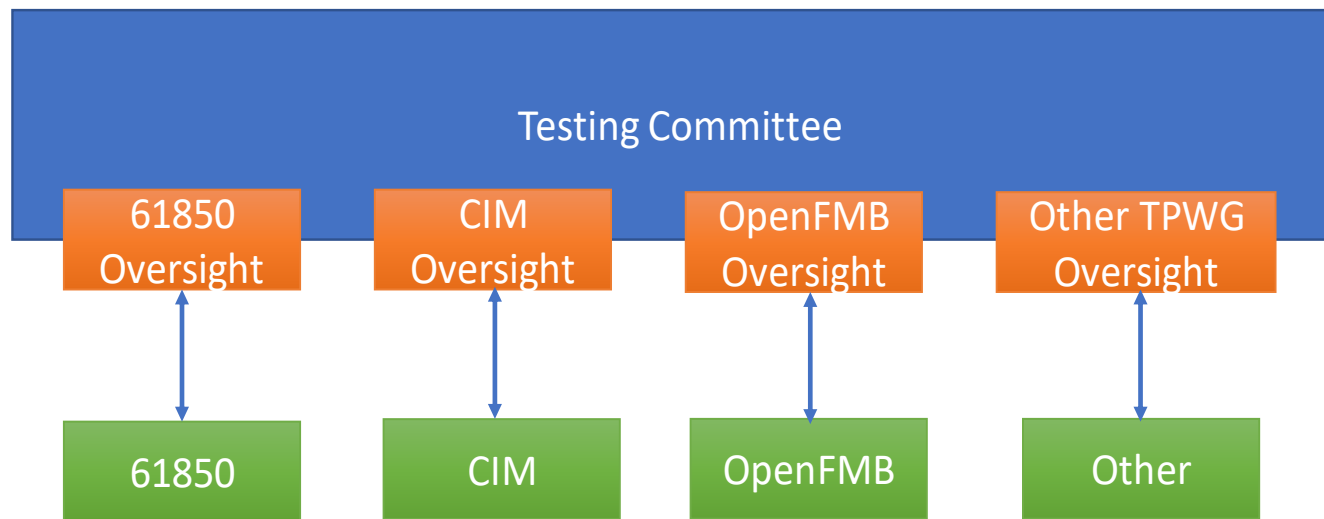


UCA Reorg and General Organization

<http://www.ucaiug.org>



Test Procedure Working Groups (TPWGs)

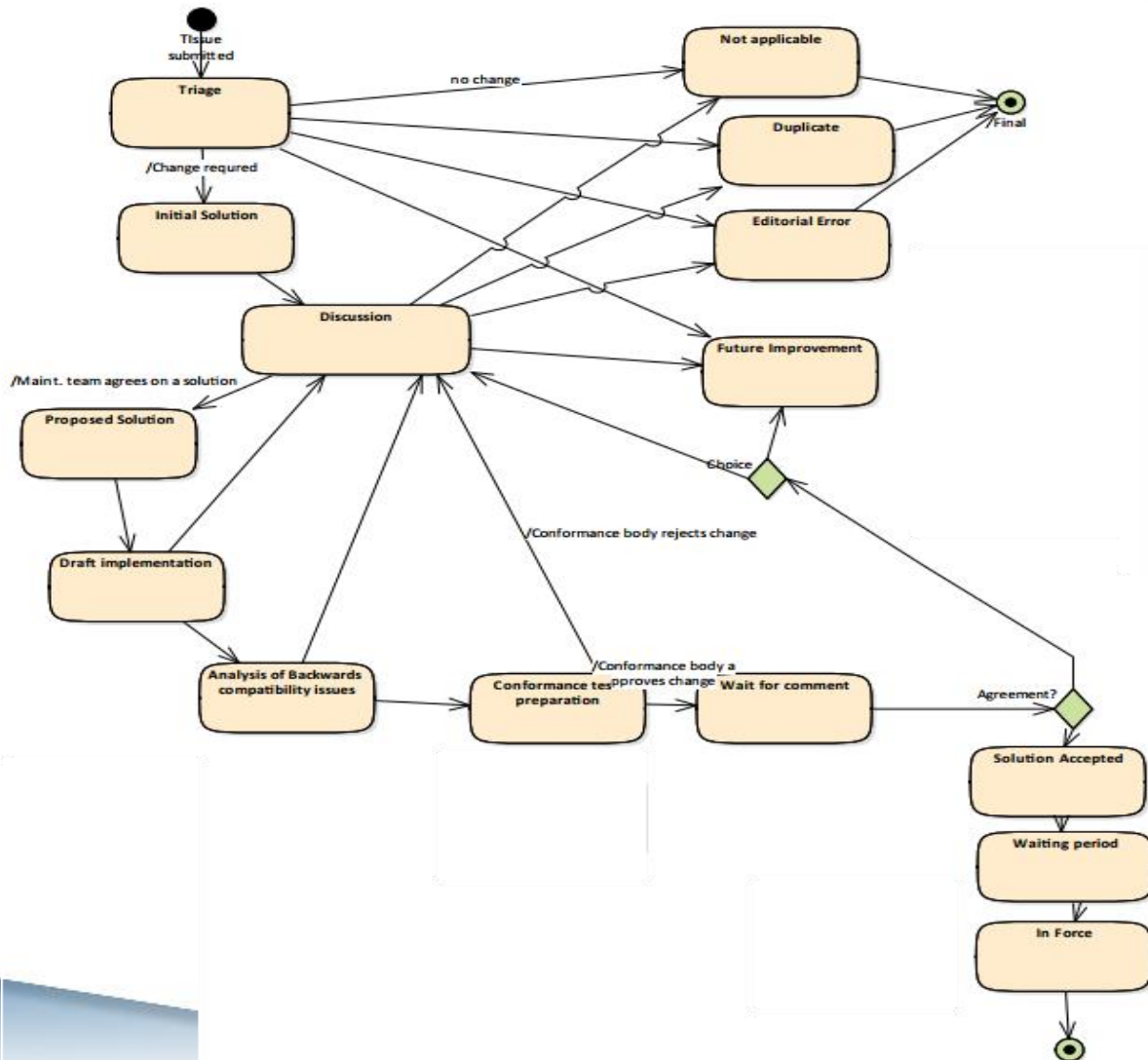


Concentration on Quality

- New IEC 61850 Tissue Process
- New IEC 61850 Quality Assurance Plan Addendum*
- Board directive to improve ITCA and accreditation process



New Tissue Process



UCA is now involved with the approval and Progression of Tissue resolution.



Face-to-Face Meeting

- Will be held in conjunction with the 61850 IOP:
 - When: September 20-27th, 2019
 - Where: Charlotte, NC
 - EPRI facilities will be used
- Planning underway Herb and Margaret - more info to come.....



Maintenance

The Tissue Database is under maintenance. Please be patient and try again later...

Status of TISSUE Database

- Lost bulk download capability in March-June 2017
- Database was taken offline approximately 3 months ago
- Netted Automation was unresponsive to individual emails inquiring about the status.
- UCA was asked to investigate by the IEC 61850 Test Procedures Working Group.



History:

- UCAlug offered to transfer the contents/site to a UCA hosted site in order to resolve maintenance issues.
- UCAlug requested a quotation to transfer the Internet Domain and the contents.
- Received a quotation and an indication that the site could be immediately restored once an agreement was reached on the transfer.
- Other TISSUE databases (e.g. Wind) are still functional.



Current Status

- UCAlug and Netted Automation are far apart in regards to price.
- It is unlikely that the price gap will be resolved.
- UCAlug has not received a counter offer.



The Problems with Recreation

- If recreation is required without the information transfer from Netted Automation.
 - Approximately a year's worth of Tissue IP will be lost.
 - Most attachments will be lost.



UCAlug's Philosophy and Intent

- UCAlug hopes that Netted Automation will still agree to the transfer.
- UCAlug believes that the global IP in the TISSUE database does not belong to Netted Automation.
 - A European company may investigate the European Content law as a mechanism to force the information transfer at no cost to UCAlug
- Failing to obtain the transfer from Netted Automation, UCAlug is intending to create a new TISSUE database based upon archived information provided by individuals.
- IEC has been informed of the situation and intends to make further public disclosures in the hope of informing stakeholders and in finding a solution.
 - UCAlug will work with IEC to determine the host of the information.
 - A letter is being written to IEC requesting their position and action regarding the TISSUE database.



How You Can Assist

- If you, or somebody you know:
 - Has an archive of TISSUE information please have them contact herb@ucaiuug.org
 - Is utilizing a different, still functioning, database hosted by Netted Automation, please inform them of the issue that the IEC 61850 Tissue database is experiencing.



Status Edition 1 testing (end-of-life)

Announcement and press release in
June 2018

Stop UCAlug conformance testing at
the end of December 2020 .

Current QAP is not sufficient – update
required:

Conformance testing of a given
standard ends 10 years after release

Update old test procedures when new
release is available to ensure
backwards compatibility

Conformance test certificates indicates
testing against withdrawn standard



Herb Falk

Managing Director at Outside the Box Consulting Services

... 11h

UCA lug Announcement of End-of-Life for IEC 61850 Edition 1 Certification

After much discussion within the UCA International Users Group (UCAlug) Test Groups, IEEE, and solicitation of utility feedback, the UCAlug has announced its intent to halt conformance testing for Edition 1 IEC 61850 devices and applications in December 2020. Please note that this does not mean that vendors will not be able to provide Edition 1 devices, only that new Edition 1 devices after the aforementioned date will not be certified by UCAlug. For further information please see:
<http://www.ucaiug.org/Press%20Releases/UCAlug-IEC%2061850%20Edition%201%20Certification%20End-of-life%20notice%20final.pdf>.

If you have upcoming IEC 61850 projects, please take this announcement into account and take advantage of the improvements and defect corrections that can be found in IEC 61850 Edition 2 implementation.

Herbert Falk - Vice President of Testing UCA International Users Group

Read full text @

[http://www.ucaiug.org/Press%20Releases/U
CAlug-
IEC%2061850%20Edition%201%20Certificati
on%20End-of-life%20notice%20final.pdf](http://www.ucaiug.org/Press%20Releases/UCAlug-IEC%2061850%20Edition%201%20Certification%20End-of-life%20notice%20final.pdf)



Status of the draft UCAIug QAP

- Update of QAP is needed
- Latest draft 4 dated July 2018
- Major changes on
 - Organizational groups
 - Test procedure updates and escalation
 - Document control
 - Support period / End of Life
 - Multi variant or Platform testing
- Full document available within TPGW – review and comments are welcome



Announcement IOP 2019

- Training/Bootcamp: September Sept 20-21, 2019
- IOP Setup and testing : Sept 20-27;
- full week (e.g. Monday-Friday) for testing
- Setup the weekend before
- Topics to be defined, preparation meetings to be scheduled
- Mailing list created - IEC-61850-IOP-2017@googlegroups.com
- Contact Herb if you want to participate

- Location: EPRI, Charlotte, North Carolina

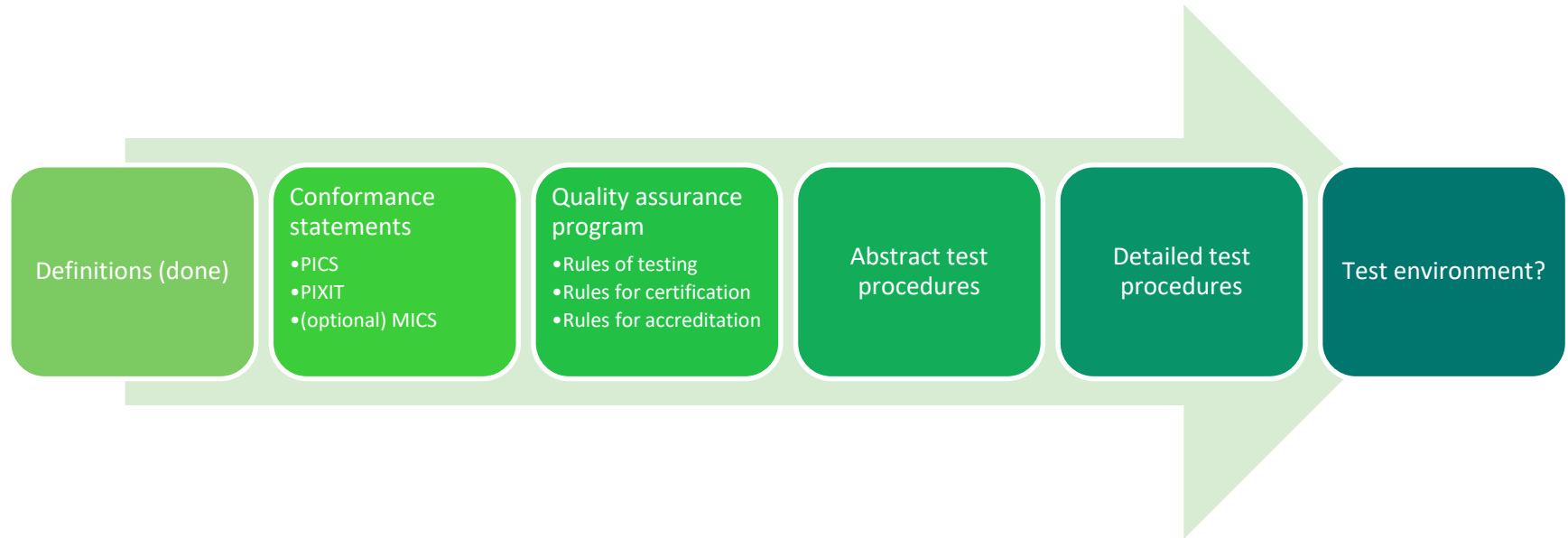


Status CIM Conformance testing

- Taskforce was restarted in May 2018
- Debates on the definition – we are doing compliance testing, however it is named conformance testing 😊
- **Conformance** - Accordance of the implementation of a product, process or service with *all specified requirements or standards*. Additional features to those in the requirements / standards may be included.
- **Compliance** - Accordance of the whole implementation with specified requirements or standards. However, *some requirements* in the specified standards *may not* be implemented.



Status CIM Conformance testing



Status CIM Conformance testing

- Conformance testing was done on 61869-5 by EPRI
- Focus now is the 61869-9 (Metering and Control)
- Almost all services and elements in -9 being optional
- Discussion on mandatory vs optional takes time
- Definition of client, server or both role



Status CIM Conformance testing

- It was pointed out that current structure demands a fixed order for tests to be executed
- **Group needs to decide on how to structure tests to ensure automation and if/how tests can be ran stand-alone.**
- **Decided by all participants to define in the UCA (testing) profile which services are linked together and which are mandatory to be implemented to claim conformance.**



Status CIM Conformance testing

- Draft PICS available
 - First attempt to define mandatory elements/services
- Conformance test cases based upon existing EPRI work
- Issue is the loose definition of the standard:
 - Like IEC 61850 the 61869-9 does not work with “remote functional calls” or comm services such as “onDemandRead(meter1, meter2, . . .)” or “disconnectMeter(meter1, meter2, . . .)”.
 - The -9 defines blob of data, and the server has first to pull it apart before it can realise that the intention is for a request for an on demand read, a meter disconnect, a historical meter read and so on
 - The combination of header verb, header noun and whatever happens to be included in the profile that together determine what a particular request is for and makes parsing complicated



Status CIM Conformance testing

- Test plan should include both positive and negative tests
- Do we need to develop a testing XSD?
- Continue work on PICS





Any other business?

Closure

- Minutes of meetings to Bas
- Posting to UCAlug sharepoint

