IOP - SCL Testing - Kick off Call

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Participants
- Christoph Brunner, it4power
- Jay Anderson, Comed
- Anthony Eshpeter, Subnet
- Benoit Lepeuple, ARC informatique
- Camille Bloch, Schneider
- Herb Falk, SISCO
- Sarah Qin, GE
- John Bruder, SISCO
- Jun Verzosa, Doble
- Krishnan S, Kalkitech
- Paul Reuter, Helinks
- Roman Graf, ABB
- Stephan Gerspach, ABB
- Sterin T Jose, Kalkitech
- Volker Gsaenger, Siemens Ruggedcom
- Ljupce Litajkovski, Gridsoftware
- Paul Myrda, EPRI
- Chan Wong, Entergy
- Cedric Harispuru, Siemens
- Joel Greene, TMW
- André Maizener, Zamiren
- Christoph Camelis, GE

1. **Scope of the SCL IOP**

   First topic discussed was about SCL testing as part of the integrated platform versus separate SCL tests. Separated SCL tests seems to be needed for
   - Going deeper
   - Not disturb the integrated platform tests
   - Allow to test SCL functionality that is not tested in the integrated platform
   - Doing witnessed testing; the integrated platform shall be engineered before the IOP
   - As well with separate SCL tests it is important to verify the result by configuring real devices
   - In principle: need to decide what to test with SCL and based on that we will see if it can be done with the integrated platform or with separate tests

2. **Participants interested**
   - System tools (under condition that the company participates at the IOP; for some of them, this is not yet decided)
     - Helinks
     - ABB
     - Kalkitech
     - Gridsoftware
   - IED
     - Subnet (clients and servers)
     - ARCinfo (if useful in separate; definitely in integrated)
     - GE is first looking into integrated platform testing; will decide later

3. **Topics to be addressed**
   - Later binding based on definitions in Ed 2.1 of part 6
   - Client subscription (clientLN, IEDName) --> could be tested as part of integrated platform or separate SCL tests
   - R-GOOSE support by SCTs - there is a separate area for R-GOOSE testing; that could be done there
   - SED exchange between system tools
   - Mixed edition testing

4. **The integrated platform setup**

   The setup of the integrated platform was discussed to see how SCL is used there. The approach for the integrated platform is, that each bay which includes IEDs from multiple manufacturers, is engineered by one system tool. The system tools would then exchange SED files to configure GOOSE messages being exchanged between the bays.

   However, the configuration of the integrated platform shall be done before the IOP
   - That means, this configuration will not be witnessed; witnesses would like to see issues that may exist and learn from that
   - It is important that issues found are documented
   - There is a risk, that shortcuts need to be done, to have the platform running for the IOP; that means, interoperability issues between the tools may not necessarily be investigated; they will be rather shortcut to make the things working (e.g. instead of using SED files, it is possible to "manually" import the GOOSE messages sent from one device in Bay 1 into the IED tool of an IED that has to receive that message in Bay 2 and bypass as such the system tools and SED exchange)

   With regard to mixed Editions: it is planned to have one bay as Ed 1; the system tool that is engineering that bay would need to do the upgrading to Ed 2 for the SED file to be sent to the other system tools based on the new draft Annex to part 6.

   Some possibilities to use the integrated platform for witnessed SCL testing
   - In general, the designs that have been done as part of the configuration of the integrated platform before the IOP can be repeated with different SCTs at least at the tool level
   - In particular for the mixed Editions testing, each SCT could engineer the Ed 1 bay and perform the upgrade to Edition 2 SCD / SED file

Next Meeting: May 17, 4pm CEST