

1st TimeSync Subgroup meeting

March 29, 2017 15:20

Time & Date:

March, 29th 03:15 pm (CEST = UTC+2)

Participants:

Name	Company
JC Billalabeitia	GE
Paul Myrda	Epri
Gustavo Silvano	GE Energy Connections
Higor Rachadel	GE Energy Connections
Hua Qin (Sarah)	GE Energy Connections
Allen Goldstein	NIST
Cuong Nguyen	NIST
Bernhard Baumgartner	OMICRON Lab
Michael Häcker	Schneider Electric
Herb Falk	SISCO
Jean-Sebastien Gagnon	Vizimax

Housekeeping:

- All E-mail communication is handles via the TimeSync Subgroup Google group.
To send an E-mail to all group members use: iop-timesync-sg@googlegroups.com
- To enlist for the subgroup either:
use this link: <https://groups.google.com/forum/?hl=en#!forum/iop-timesync-sg> and click **Apply for membership** or send an E-mail to bernhard.baumgartner@omicron-lab.com
- All data is stored on the IOP Sharepoint server in this directory (and subdirectories)
[TimeSync Subgroup](#)
- Meeting reports: can be found here [Meeting reports](#)

Discussed Topics:

- 2015 Test cases:
2015 Test cases for IEC/IEEE 61850-9-3 were reviewed and unnecessary tests deleted
The first draft of the document can be found on the share point in the folder 2017_Test_Cases
http://iec61850.ucaiug.org/2017IOP-NOrleans/IOP%20Documents/TimeSync_Subgroup/2017_Test_Cases/IOP%20PTP%20Test%20Cases%20for%20IEC_IEEE_61850-9-3_Draft_1.docx
- Time Reference
 - GPS Security (Spoofing and Jamming) should be evaluated
 - GLONASS should be tested as well if possible. --> Jean Sebastian might be able to borrow a simulator

- In-Room transmission of GPS Signal from Simulator would be better than distributing an L-Band Signal via cables (problems for some devices) --> Bernhard to check

- **BMCA**

- Idea: Two Masters fed with different GPS Signals - how will this affect the BMCA

- **Transparent Clock Manufacturers:**

- We need to get the following companies on board:

Siemens

Rugged Com

Cisco

Belden

Arbiter

GE Switches

- Slight change of **61850 how to react** on leap seconds:

A device not synchronized during the time of leap second insertion it must declare: "Leap second not known"

- **HSR & PRP Testing**

- should be done - add to questionnaire

- **Interoperability of mixed 9-3 and C37.238 infrastructures** should be evaluated

Questions:

- ? Does someone have a GLONASS Simulator for the testing?
- ? Has someone a **one-step** transparent clock available?
- ? Does someone have a second GPS Simulator
- ? Who can help to contact the switch manufacturers

To dos:

- Jean Sebastian: Check if GLONASS simulator is available
- Bernhard: Check if L-BAND transmission of GPS Signal is possible (Amplifier & Antenna)
- Bernhard: Send out survey on Equipment - find out what people are bringing
- Bernhard: Check Google group issues (4 people so far not in TimeSync Google Group)
- Paul: Reach out to Rugged com
- Sarah: Check what equipment GE will bring to IOP

Next meeting:

April 12th

15:30 CEST - invitation will follow