

# 2017-09-15\_12th\_TimeSync\_Subgroup\_Meeting

## Participants:

Name	Company
Roman Graf	ABB
Johannes Schilling	Belden
Jaemoon Kim	Keri
Soonwoo Lee	Keri
Ya-Shian Li-Baoud	NIST
Bernhard Baumgartner	OMICRON Lab
Amin Abdul	Siemens
Jean-Sebastien Gagnon	Vizimax

## Excused:

Name	Company
Juan Carlos Billalabeitia	GE
Patrice Roussel	Moxa
Roman Graf	ABB
Yoann Charpentier	GE
Marcello Dalmas	GE
Jimyung Kang	Keri
Jay Yan	Moxa
Allen Goldstein	NIST
DJ Anand	NIST
Paul Myrda	Epri
Elias Bencz	GE
Jun Verzosa	Doble
Romain Guilbault	OPAL-RT Technologies
Romain Guilbault	OPAL-RT Technologies
Roy Lei Zhang	Siemens
Jay Yan	Moxa
Gustavo Silvano	GE

## Housekeeping:

- All E-mail communication is handled via the TimeSync Subgroup Google group. To send an E-mail to all group members use: [iop-timesync-sg@googlegroups.com](mailto: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](mailto: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](#)

## Mission:

- Allow IEC/IEEE 61850-9-3 and IEEE C37.238-2017 focused interoperability testing.
- Offer test bed for people that detect problems in the integrated tests and want to dig into the issue.

## Discussed Topics:

- 2017 Test cases:**
  - No comments have been received on Draft 5 of the test cases posted on August, 16th.
  - Thus Draft 5 will become the final version
- Monitoring:**
  - Commercial test device like (**Calnex Paragon-X**) - measuring timing accuracy, Allen plans to bring a Calnex (to be confirmed)
  - OMICRON Lab will bring a DANE0 400
- Equipment list:**

Every participant in the time sync subgroup should enter his equipment into the equipment list that can be found on the server:  
[http://iec61850.ucauiug.org/2017IOP-NOrleans/IOP%20Documents/TimeSync\\_Subgroup/1588\\_Equipment\\_list.xlsx](http://iec61850.ucauiug.org/2017IOP-NOrleans/IOP%20Documents/TimeSync_Subgroup/1588_Equipment_list.xlsx)
- PICS for all 9-3 / 37.238 equipment that will be brought to the IOP should be submitted in addition to entering them into the Equipment list.
- Live GPS Signal:**
  - GPS repeating requires a license.**
  - PAUL:** Talk to Herb about **experimental license**
  - Stay tuned with FCC for experimental license
  - GPS repeater Equipment has been purchased by OMICRON and will be tested until next meeting.
  - License Situation: FCC denied - Paul is investigating the situation - a little piece of hope remains
  - NIST will bring also a 1 to 8 splitter. (self-made with 20 mA loads + 14 dB Amplifier on each output)

## To dos:

- EVERYBODY:** Please enter the equipment you plan to bring into the Spreadsheet available on the Sharepoint
- Bernhard:** Prepare proposal for PICS Template
- Enter Power Consumption in Watts to Equipment list
- Bernhard:** Ask for Connector type and max. Amps (10 A, 15A, 20 A) - Answer: 20 Amps
- Mention to bring own power strips.
- Bernhard:** Specify IP range and send it out
- ? If you bring a GPS receiver pls. specify DC voltage present at the antenna input.

- Bernhard:** Check list for GPS Antenna requirements and add columns to Equipment list

**Next meeting:**

**THURSDAY September 28th**  
15:30 CEST - invitation will follow