



INFOLETTER No. 02/19

I. Technology & References

WS1 meeting

After a long period without face-to-face WS1 meetings, the group has met on June 18th and 19th in Saclay, France. The technical working group had a very good and productive session and following latest SSC's decisions, the group further developed the WS1 roadmap by declining it in technical working items:

- 4 CCTTs have been processed of which 2 have been approved.
- The “User Guidelines” roadmap item was declined into 11 technical work items. Candidate adopters of the G3-PLC technology often come to biased conclusions related to the suitability of the G3-PLC technology due to the lack of expertise in implementing and deploying the G3-PLC protocol stack. The Alliance decided to publish technical information to allow for seamless new deployments. The first tasks of WS1 on this matter is to consolidate return on experience from various deployments according to G3-PLC Alliance member feedback. Then, the information gathered with associated solutions will be disseminated in an appropriate format (white paper, FAQ, etc.).
- Remarks regarding the performance of coherent system have been discussed and this may need to be tested more extensively in the certification. This will be further discussed in WS3 and CPEC.
- Possibilities of a hybrid communication profile based on the IEEE 802.15.4g specification are being explored.
- “Increase performances in dense networks” roadmap item was declined into 9 technical work items. WS1 will work on this matter using the ETT/CCTT process to quickly further improve G3-PLC in existing and future deployments.
- The G3-PLC technology is expanding to worldwide markets especially in Asia, Middle-East and Africa. Some new requirements and specificities have been identified and shall be taken into account by WS1 to update the G3-PLC protocol stack or to be simply mentioned in user guidelines. Several work items have been identified and will be elaborated by WS1.

Input to ITU SG15 meeting may be proposed in the September/October timeframe in order to prepare a new amendment or revision of the ITU-T G.9903 recommendation. This is still to be decided depending on the outcome of the upcoming WS1 meetings.

As reported in the previous Infoletter, the G3-PLC Alliance entered into a cooperation with professor A. Tonello, chair of Embedded Communication Systems at the University of Klagenfurt. Updates about the collaboration with Klagenfurt University aiming at the exploration of how Machine Learning can benefit to G3-PLC were discussed.

African Utility Week

At African Utility Week in Cape Town from 14th to 16th May, G3-PLC Alliance presented itself with a booth at the exhibition. The 18 m² booth featured a showcase of G3-PLC products from alliance members and the G3-PLC demonstration suitcase. Fortunately, a lot of members were also on site at the exhibition, with several representatives present at the G3-PLC Alliance booth. G3-PLC is well known in Africa, has good reputation and in many countries DSO's are considering or piloting G3-PLC.



Upcoming Events



As the alliance plans to strengthen its focus besides African as well on Asian and Middle Eastern markets, we will also take part in this year's Asian Utility Week in Kuala Lumpur, Malaysia, from 3rd to 4th September. The alliance will appear as sponsor and will be present with a booth at the exhibition. We will have 2 speaking slots to promote G3-PLC. We welcome all members to join us at the booth and to bring G3-PLC certified devices so we can showcase these.

The European Utility Week, taking place in Paris, from 12th to 14th November, will conclude this year's event season.



AMI training program at Indian Smart Grid Forum

As you will know, India is considering a plan to install smart meters in every home and business as part of its ongoing effort to turn around the country's ailing power sector. The plan under consideration would require several hundreds of million smart meters over three years.

In July the Indian Smart Grid Forum organized a training program on advanced metering infrastructure in Delhi for utility professionals. To promote G3-PLC the G3-PLC Alliance facilitated part of the training. India offers a big opportunity for smart metering and we have again drawn attention to G3-PLC.

Some general requirements regarding Indian smart meters:

- All meters must be IPv6.
- India uses DLMS/COSEM that has been translated into a national Indian standard (IS 15959).

- Interoperability as well as firmware update are key requirements.



III. Administration & Organization

New members

So far, we have welcomed three new members in 2019. These companies are briefly introduced below.

SPARTA Srl is an innovative start-up founded in 2017, based in Brescello, province of Reggio Emilia, Italy. The main activities of SPARTA Srl are design, research and development, production and sale of high technological systems in railway and road infrastructures sector, environments with danger of explosion, chemical, alimentary and pharmaceutical plants.

www.sparta-srl.com | Contact: roberto.renzi@sparta-srl.com

S&T Smart Energy GmbH (Austria) is a supplier of smart energy technology products in Central and Eastern Europe. The business focus is on the development and distribution of hardware and software products for smart grids. The product portfolio includes smart meters and gateways as well as associated tools and software to operate these devices. They want to participate in the development and promotion of the G3-PLC protocol to potential customers and to participate in the activities of the G3-PLC Alliance.

www.snt-smartenergy.com | Contact: Johannes.zeindl@snt-smartenergy.com

Ningxia LGG Instrument Co., Ltd. (shortname LongiMeter) focuses on the R&D and production of metering instruments. The company's main products cover the range of energy meters, water meters, gas meters, heat meters, concentrators, collectors, terminal equipment and integrated energy management system. LongiMeter has many smart metering projects in Africa and Asia.

www.longimeter.com | Contact: Eric.Lee@longimeter.com

Last General Assembly

On June 4th, the last General Assembly took place in Madrid during CIRED conference. The General Assembly supported Iskraemeco and Renesas to become executive member. Both companies are long standing active members of the alliance and will now take a seat in the Steering Committee. There were very interesting presentations from EDF, Sagemcom, Enedis, Renesas and Trialog all of which you can find on our website (see further down in the Infoletter).



New films on Youtube

Two new G3-PLC Alliance films are now published on Youtube. Click the pictures to follow the links and watch the movies on youtube:

G3-PLC Interoperability



G3-PLC and Grid Services



Presentations part on website updated

The presentations part on the G3-PLC Alliance website <http://www.g3-plc.com/what-is-g3-plc/presentations/> received an update, as presentations have been added and divided into categories. Beyond that, there are even

more presentations available in the private access part for members. The category "G3-PLC meetings" features some presentations from the last General Assembly in Madrid, which are available only for members with their member log ins.

Presentations

General presentations

- G3-PLC Alliance Technical Presentation
- ISPLC 2019 - G3-PLC Alliance Keynote - Cédric Lavenu

Member presentations, projects & applications

- ISPLC 2016 First Feedback on the G3-PLC roll-out in France - Thierry Lys (Enedis)
- Perspectives on the Use of G3 PLC for Progressive Smart Metering Rollout
- Smart Meter Pilot Project in Tenaga Nasional Berhad, Malaysia: 3 Different Communication Technology Tested
- G3-PLC 500 kHz for Smart Metering
- ISUW 2019 - G3-PLC solution for the Indian Smart Grid System - Renesas-Neona

From the press

Newspaper publication on the first CENELEC B product certification for M&F SMART TECHNOLOGY



Original article
English text version

G3-PLC meetings

General Assembly June 2019 Madrid

- GA Madrid June 2019 Austrian G3-PLC deployment and performance
- GA Madrid June 2019 Easing G3-PLC integration into systems
- GA Madrid June 2019 KNX over G3-PLC
- GA Madrid June 2019 Performance enhanced with 2017 specification
- GA Madrid June 2019 Update Linky program France
- GA Madrid June 2019 WS1 Roadmap_GA June 4th_FINAL