



INFOLETTER No. 02/17

I. Technology & References

Facilitation for adaption of G3-PLC in US market: SGIP adds G.9903 to catalog of standards

ITU-T G.9903 has been selected to enter in the SGIP's catalog of standards. The industry consortium represents a cross-section of the energy ecosystem and oversees standards for American utilities. G.9903 has been approved after an extensive audit on security, coherence and consistency, as well as coexistence with other narrow-band protocols, which started in 2014. This was one of the reasons, G3-PLC Alliance added the coexistence mechanism to G.9903 as a regional annex (annex for the USA). This should facilitate the adoption of G3-PLC in the USA.

(details on SGIP: <http://www.sgip.org/about-us/organization-purpose>).

New macro version of G3-PLC to better address Chinese market

The Chinese market offers a huge potential for growth and for the G3-PLC application. Approximately 500 million smart meters will be replaced by a next generation of meters from 2018 on. While the focus currently lies on meter reading, it is planned to implement additional features, e.g. for demand reading, demand response or outage management - requiring a robust technology.

The Strategic Steering Committee of the G3-PLC Alliance has decided to address this attractive market with a relevant macro version called "FCC sub bands (China, other countries)". This macro version will be defined under the working group WS1 as a subset of the unique "reference version of the G3-PLC specification" with options to address specific goals of the Chinese market. The macro version will include functional aspects without applying additional changes to the G3-PLC technical specification. For this macro version, the Alliance will define conformity and performance tests and manage the certification process that will be operated by one of the accredited testing laboratories.

II. Events & Fairs

India Smart Grid Week: market potential for G3-PLC

G3-PLC Alliance had a stand at this year's India Smart Grid Week in April. The event brought together India's leading electricity utilities, policy makers, regulators, investors and world's top-notch smart grid experts and researchers to discuss trends, share best practices and showcase next generation technologies and products in smart grid and smart cities.

Representatives from the Alliance met many Indian industrialists and local DSOs and introduced them to the PLC technology. Thus, they became aware of the technology as an alternative - since the dominant solution in India is radio mesh. A key take-away of the discussions was, that players in the Indian market are still looking for financing for smart meter projects, and that their main need is to have robust and small equipment to fight against fraud.



ICSG Istanbul: huge investments in national smart grid infrastructure

Turkey is expected to invest US\$25.2bn over the next 10 years in smart grid infrastructure. International Istanbul Smart Grids and Cities Congress (ICSG) İstanbul 2017 was held from 19-21 April and brought together the domestic and foreign stakeholders of the smart grid community.

As a sponsor of the event, the G3-PLC Alliance was represented with a booth and a keynote speech. "ICSG 2017 served as gateway for the smart grid industry and provided a unique meeting platform to explore new business opportunities. It also was an ideal place to source for a wide range of new products. With the participation of many Turkish utilities, we had a key opportunity to present G3-PLC solutions and products", stated Dr. Anil Mengi.



III. Administration & Organization

General assembly on 26 May in Bangkok

The first of two general assemblies in 2017 will be held on 26 May 2017, after Asian Utility Week in Bangkok. Here, members will also be informed about the latest changes to the specifications. The assembly will take place in the Amari Hotel, close to the Asia Utility Week area. Additionally, the members of the Alliance have the possibility to invite any customer, potential customer, DSO or partner to the morning session of the 2017 G3-PLC Alliance General Assembly.

G3-PLC Alliance

SAVE THE DATE

MAY 26th 8:00 AM

G3-PLC benefits and deployments

The G3-PLC Alliance would like to share with you the experience of its members in deploying the G3-PLC technology over various networks and uses cases. The presentations will be followed by a lunch cocktail.

Amari Don Muang Airport Bangkok and Convention Center
333 Chert Wudthakas Road
Bangkok 10210 Thailand

Five new regular members: AEC, EFACEC, NARI Technology, Palace Power Systems, TOPSCOMM

G3-PLC Alliance welcomes five new regular members: AEC from Saudi Arabia, whose energy business unit focuses on the utilities, security, power & energy, oil, gas, petrochemical and industrial business sectors and EFACEC from Portugal, a company focused on developing products and systems with high added-value for infrastructural sectors such as energy, environment & industry and mobility & transportation. Moreover, NARI Technology became a new member, a supplier of solutions for power and automation technologies in China, which is also active in Africa. Additionally, the Alliance welcomes Palace Power Systems from South Africa, which is active in infrastructure development through engineering and energy management services and solutions provision, and TOPSCOMM, also from China, a new high-tech enterprise with solid theoretical foundation and systematic technology.