



INFOLETTER No. 02/18

I. Technology & References

Amendment 2 to IEC standard 61000-2-2

The amendment 2 to standard IEC 61000-2-2 "Electromagnetic compatibility (EMC) - Environment - Compatibility levels for low-frequency conducted disturbances and signalling in public low-voltage power supply systems" has been positively voted in IEC with a 96,4 % majority. This amendment published in **2018-05-09** establishes compatibility levels in the frequency range 30-150 kHz. It is good news for the future of PLC in CENELEC band because it is a first step before establishing emission limits for electric appliances in the frequency range 30-150 kHz. This work has been conducted in IEC within TC77/SC 77A and CISPR/H Technical Committees.

<https://webstore.iec.ch/publication/30766>

II. Events & Fairs

India Smart Grid Week

From 5th to 9th March the India Smart Grid Week took place in New Delhi. The G3-PLC Alliance took part in the India Smart Grid Week with a 18m² booth. Two keynote speeches by Marc Delandre and Nabil Sahri were held to promote the values, benefits and applications of G3-PLC technology in India. Marc Delandre (Secretary G3-PLC) said, "India is the world's third largest producer and fourth largest consumer of electricity, but the country is mostly served with electromechanical meters. The country is steadily venturing into renewable energy resources like wind and solar. With such unpredictable energy sources feeding the grid, it is necessary to have a grid that is highly adaptive (in terms of supply and demand). PLC is one of the key communication infrastructure to support overall development, hence, the opportunities for G3-PLC in India are immense."



The alliance received an award for the continuous support and contribution in the India Smart Grid. The award was given by Reji Kumar Pillai (President of India Smart Grid Forum) to Marc Delandre (see picture bottom left).



ISPLC in Manchester

At this year's ISPLC (IEEE International Symposium on Power Line Communications and its Applications) from 8th to 11th April, the alliance was present with a booth and a keynote speech. Furthermore, the alliance appeared as conference sponsor and patron. The keynote speech on "G3-PLC for all application scenarios in the smart grid" was held on the second day by Kaveh Razazian, the CTO of Energy and Telecom at Sagemcom. After introducing the impact and evolution of G3-PLC technology, he presented the latest smart metering field deployments in France and in Luxemburg.



Besides, Anil Mengi was awarded by the Power Line Communications Technical Committee of the IEEE Communications Society (IEEE ComSoc) for his distinguished activity in favor of the powerline communications community. The official statement says, "Dr. Anil Mengi received the TC-PLC Outstanding Service Award for his long term technical and organizational support of the ISPLC conference series, chairing the subcommittee on PLC regulations, his dedication and significant contributions in the PLC standardization organizations (IEEE, ITU-T, FNN, CENELEC, etc.), in industrial PLC communities (G3-PLC) and his active role in the application of PLC systems on the market."



China Utility Week

At China Utility Week in Shanghai, the alliance presented itself with a booth, a keynote speech by Bernard Lassus on "The Evolution of the Grid" and by attending panel discussions. Kaveh Razazian, Bernard Lassus and Paolo Trefiletti from alliance member STMicroelectronics attended the panel discussion to promote G3-PLC Alliance in China. In addition, the alliance strengthened its recognition as silver sponsor of the event.

China
Utility Week



Istanbul Smart Grid Congress

The alliance also attended this year's Istanbul Smart Grid Congress, which took place from 25th to 26th April. The G3-PLC Alliance was delegate bags exclusive sponsor and was on site with a booth, where many interesting discussions were held. Marc Delandre and Anil Mengi held a keynote speech at the event. Anil Mengi said, "Turkey plans to replace at least 80 percent of its current 42.5 million electricity meters with smart meters by 2035. It will cost EUR 4,3 billion. The project Turkey Smart Grid 2023 (TAS2023) was presented at the 6th International Istanbul Smart Grids and Cities Congress and Fair (ICSG 2018). According to TAS2023, each electricity distribution company operating in their respective regions will determine their own needs related to smart meters upgrade. Afterwards, the companies are required to submit their reports to the Energy Market Regulatory Authority by 2020. Based on individual requirements, the appropriate technology will be applied in each case. Turkey offers huge opportunities for G3-PLC. For example BEDAŞ, which has been distributing electricity of 26,6 billion kWh to approximately more than 5 million subscribers on an area of 3,573 km² on the European Side of Istanbul, is the biggest distribution company of Turkey. Within the EU-Project Callia, Bedas together with devolo started a G3-PLC pilot project, which aims to gain experience on planning, implementation and demonstration of a new AMI system."



III. Administration & Organization

General Assembly in Shanghai

On Tuesday the 17th of April, just before the China Utility Week, the last G3-PLC Alliance General Assembly was held.

Change in internal rules

The Internal Rules of the G3-PLC Alliance have been updated and validated by the Shanghai G3-PLC Alliance General Assembly, to comply with the Common Patent Policy of ITU-T/ITU-R/ISO/IEC.



New members

Also on April the 17th the decision on membership applications was taken by the Strategic Steering Committee. As a result, the G3-PLC Alliance welcomes two new members: Huizhou Haoningda Technology Co. from China and SIAME (Société Industrielle d'Appareillage et de Matériels Electriques) from Tunisia. Established in 2012, Huizhou Haoningda is an energy meter manufacturer & power equipment supplier in China with an annual production capacity of more than 10 million meters. SIAME, founded in 1976, is covering national, Middle-East and African markets with large types of electricity meters. Furthermore, SIAME is specialized in circuit breakers, MV and LV line accessories and LED lamps.

The Alliance now comprises more than 90 companies, jointly promoting the use of G3-PLC in smart grid applications.

G3-PLC Alliance on Social Media

Support the alliance on Social Media! The alliance has accounts on Twitter and LinkedIn. Feel free to follow, like and share. The more interactions we get on Social Media, the better the coverage we gain.

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