



EUTC Spectrum Workshop 24th April 2019

10:00-16:00 hrs, Brussels

EUTC's spectrum workshop to be held in Brussels on 24th April will focus on key areas of radio spectrum relating to current and future applications demanded by the utility sector. Subjects to be covered will include – spectrum to support enhanced applications in the field area network and transition to the smart grid, threats to existing allocations, opportunities presented by 5G, cyber security and potential wireless solutions to replace end-of-life wire line (copper) based services. Each interactive session will be initiated by a short presentation from an industry expert followed by discussions with all participants on each topic. The group will facilitate sharing of ideas and advise of current related EUTC activities – as well as taking suggestions for new areas requiring attention by EUTC. The workshop represents a networking opportunity for sharing ideas with thought leaders from the European Utility sector.

REGISTRATION

Please register via the following [link](#).

LOCATION

EUTC Office

Avenue de Tervueren 188A (4th Floor – Kellen), 1150 Brussels, Belgium

FORMAT

Each topic will start with a short presentation/introduction from an individual with relevant experience. This will be followed by a discussion led by a designated moderator.



AGENDA

Opening of the Workshop: Manuel Sanchez Jimenez, European Commission – DG ENER

- 1) End of life technology replacement – especially legacy copper-based services due to expire in the next 1-5 years. Can wireless systems be used as a potential replacement? Which other technologies can be helpful?
 - a. Introduction: Liam Beard, Vodafone
 - b. Moderator: Paul Hales, ARUP

- 2) Security of existing spectrum resources and current risks, 450-470 MHz, L-band (1500 MHz region), – 26 GHz. How Spectrum is used by utilities in the different EUTC countries?
 - a. Introduction: Erik Moll, Alliander
 - b. Moderator: Adrian Grilli, EUTC

- 3) Growth in demand for rapid deployment of wireless low latency teleprotection systems as required for connection of small and medium scale renewable sites.
 - a. Introduction: Sergio Ramos Pinto, EDP
 - b. Moderator: Kinan Ghanem, Power Networks Demonstration Centre

- 4) Smart metering systems – enhancements to their functionality at the Low Voltage (LV) (230-400V) level to support increased demand side control and adoption of electric vehicles (EV's) – impact on required reliability in Power Line Communication (PLC) systems.
 - a. Introduction: Wolfgang Zeitler, E.On
 - b. Moderator: Mario Dionisio, European Commission – DG ENER

Break

- 5) Appetite for standard- based solutions vs proprietary solutions and EU utilities spectrum harmonization
 - a. Introduction: Paddy Mulvey, ESB
 - b. Moderator: Dr Oliver Franz, Innogy

- 6) Options for future narrow band systems (1-64kb/s) in areas where wide RF channels cannot be obtained or cost justified– including possible re-use of VHF channels.
 - a. Introduction: Pavel Pejchal, RACOM
 - b. Moderator: Marta Hernandez Solaz, Iberdrola

- 7) International developments in key areas such as 5G, CEPT Frequency Management Working Group (WG FM), ETSI SRDoc for utility operations, 3GPP frequency bands, ITU-R Working Groups and the World Radio Conference in November 2019 (WRC19). Which groups and how can we keep track of their progress and influence it?
 - a. Introduction: Tracey Sheehan, UTC
 - b. Moderator: Peter Faris, ECO