MEO's contribution to
RSPG's Draft Opinion on the Spectrum Aspects of the Internet-of-things (IoT) including M2M

MEO considers that it is important to define a roadmap for IoT/ M2M spectrum aspects in Europe taking in account the relationship with 5G and existing activities relating to Intelligent Transport Systems (ITS) and other verticals.

RSPG notes that the ECC is assessing whether the current technical conditions of ECS harmonised bands should be adapted to NB-IoT, LTE-based IoT and broadband IoT. MEO considers it should be ensured that the definition of harmonised technical conditions for the development of EU-wide equipment for the introduction of these technologies (Wideband and Narrowband IoT/M2M) in frequencies allocated or identified for ECS (mobile networks) does not suffer significant delays. RSPG should also evaluate if these technical conditions require further studies relating to cross-border coordination.

RSPG states that new IoT use cases will be enabled by 5G since some specific IoT functionality will be designed into 5G from the start, with features including network slicing, low energy consumption and scalability. In order to ensure a broader set of use cases enabled by 5G, MEO considers further studies are recommended to evaluate functional requirement of verticals which would require additional technical harmonization conditions for 5G spectrum.

Regarding the "Opportunities to relax technical conditions for IoT in the band 862-868 MHz and to make available portions of the bands 870-876 MHz and 915-921 MHz" referred in ANNEX 5.a), MEO considers that RSPG may evaluate the need of developing guidelines on rules to ensure local coordination in order to avoid interference to primary radio services operating in the adjacent bands, as proposed in addendum to CEPT Report 59 under consultation.

MEO considers that further studies are required before considering the use of the band 1900-1920 MHz for both DECT and SRD, in the framework of the general authorisation model.

MEO agrees that the availability of frequencies for current and future PMR and PPDR usages and other legacy networks (radiolocation, governmental) should be ensured on 400 MHz bands. The definition of technical conditions on these bands should support critical connectivity for IoT and M2M through PMR networks.