CEPT Workshop on spectrum for drones / UAS

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WG FM Chairman

Copenhagen
29 May 2018
Structure of ECC Working Group FM

ECO
- Expertise and support

WGFM
- Working Group Frequency Management
  - Chairman: Thomas Wellacher (D)
  - Vice Chairman: Stephen Talbot (G)
  - Vice Chairman: Vincent Durepaire (F)

WGFM Civil Military Forum

WGFM Correspondence Groups
- Drones: Chairman - Florian Carlzetta (AUT)

FM Maritime FG
- WGFM Maritime Forum Group
  - Chairman: Jeppe Steenge (Hol)

FM Radio Amateur FG
- WGFM Radio Amateur Forum Group
  - Chairman: Thomas Weber (Bod)

EFIS/MG
- ECO Frequency Information System Maintenance Group
  - Chairman: Stefan Meyer-Birmon (D)

SRD/MG
- Short Range Devices Maintenance Group
  - Chairman: Thomas Weber (Bod)

FM22 – Spectrum Monitoring and Enforcement
  - Chairman: Ralf Trautmann (D)

FM44 – Satellite Communications
  - Chairman: Amar Saidani (F)

FM51 – PMSE
  - Chairman: Lindsay Cornell (G)

FM54 – Private/Professional Land Mobile Systems
  - Chairman: Kula Sithamparanathan (G)

FM56 – Radio Spectrum for Railway Applications
  - Chairman: Vincent Durepaire (F)

FM57 – WAS/RLAN in 5925-6425 MHz
  - Chairman: Stephen Talbot (G)

Support from ECO, the permanent office established in Copenhagen.

European process of standardization and regulation for radiocommunication devices and systems, inter alia co-operation between CEPT and ETSI or work under mandates from the EC.
Activities carried out so far

- Establishment of the **Correspondence Group on drones** in February 2015.
- **Questionnaire** to CEPT administrations and stakeholders (2015).
- Approval and publication of **ECC Report 268** on ‘**Technical and Regulatory Aspects and the Needs for Spectrum Regulation for Unmanned Aircraft Systems (UAS)**’ in February 2018. This ECC Report follows the ‘Prototype’ Commission Regulation from EASA (which encompasses the Open Category and the Specific Category, but not the Certified Category).
Activities carried out so far (cont.)

- Consideration of ADCO market surveillance campaign.
- Approval and publication of an ‘explanatory paper’ related to non-professional UAS use under general authorisations (also referred to in the Introduction of ERC Recommendation 70-03 for SRD).
- Preliminary considerations of frequency bands (for command and control / for payload) for professional UAS use (‘working document’).
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Expectations for the workshop:

- Suitable frequency bands, amount of spectrum (for command and control / for payload) for professional UAS use?
- Need for additional harmonisation measures?
- Need for amendment of harmonisation measures already in force (e.g. for Video PMSE)?
- Terrestrial spectrum / satellite spectrum?
- Spectrum for radars (anti-collision radar sensors)?
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Expectations for the workshop (cont.):

- Operational scenarios for the UAS categories 'Open' and 'Specific'?
- Technical requirements?
- Commercial drones / governmental drones.
- Use of existing and future MFCN (Mobile Fixed Communications Network) for UAS operations?
- Geofencing?
- Action points for future activities within ECC (in cooperation with ETSI, European Commission, stakeholders, ...).
Thank you