



CEPT CPG-PTD#1 Report

September 20-22 2016

Courtesy of Ofcom, RSGB were able to attend CEPT PTD#1 in September 2016 as part of the UK delegation. In all there are five CEPT Project Teams (PTA, B, C, D and PT1) involved with preparing for the various WRC-19 Agenda Items. After a break following WRC-15, the first meetings for the new WRC cycle occurred autumn of 2016. Specifically, PTD is responsible for:-

Agenda Item	Topic
1.1	Allocation of the frequency band 50-54 MHz to the Amateur Service in Region-1
1.11	Railway radiocommunication systems between train and trackside
1.12	Intelligent Transport Systems (ITS) - 5.8 GHz usage partly overlaps AI-1.16
1.16	Wireless Access Systems inc RLANS in 5150- 5925 MHz (5GHz Wi-Fi etc)
9.1.5	5GHz Radar Protection Criteria
9.1.6	Wireless Power Transmission (WPT) for electric vehicles

A key aim of this first meeting was to consider the initial CEPT draft briefs from each coordinator, and in that respect the meeting was successful in that and kicking of the new WRC study cycle.

AI 9.1.6 WPT

In the case of 9.1.6 no coordinator had been appointed or papers submitted so the meeting supported the provisional nomination of Turkey for this item (subject to approval at CPG in December). PTD was also keen to conduct its own studies in future (rather than CEPT WGSE).

AI-1.1 50-54 MHz

Netherlands (Hans Blondeel Timmerman) is the coordinator. The first session saw his initial draft CEPT brief introduced along with a IARU paper and a CEPT ECO note re legacy VHF TV assignments in many countries. This item triggered some serious objections from Russia with respect to their ongoing VHF broadcasting and severe criticism of amateur spectrum requirements.

AI-1.16 5GHz Wi-Fi

The overall agenda for the meeting was donated by a large number of inputs regarding 5GHz WiFi. Ofcom (Andy Gowans) is the CEPT coordinator for this item. Across the overall 5GHz range different segments have different incumbents including radio location, satellites, earth sensing and others. The Russian delegation expressed serious concerns with respect to radar. Only Primary services were considered with no consideration or input re secondary amateur interests. However there were opportunities for informal discussion regarding the recent Ofcom UK 5GHz consultation.

AI-1.12 ITS

Another item with high interest was Intelligent Transport and in particular the 5.8GHz sub-band that will be used for car-car safety braking and car-roadside for safety/disability aids. It was noticeable though that there was overlap and tension between this item and AI-1.16.

Drafting Groups

Following the opening sessions, time was spent in more specific drafting groups. With AI-1.16 running most of the time, drafting groups for other agenda items attracted smaller attendances, enabling more efficient scrutiny and progress.

For example the UK & Germany made several editorial inputs to improve the text and tailor the scope of the AI-1.11 draft brief on railway comms. This also helped to highlight an ITU Survey that was underway and the wide scope of frequencies/applications. AI-1.11 can include systems across the spectrum from HF axle counters and signalling, thru to VHF-PMR, UHF (GSM-R) etc – in a few cases potentially overlapping amateur bands. This agenda item is typical of several in the new WRC-19 cycle whose scope is fairly broad, not frequency-specific and needs to be monitored.

The significance of AI-9.1.5 on 5GHz matters also became more apparent in the drafting group process. As Russia explained, this concerns changes to and additions of radar examples which may need protection (and thus affect the implementation of DFS mitigation for Wi-Fi).

For AI-1.1 (50MHz) most changes in the draft Brief were subsequently modest/editorial, although the plenary did strengthen the text concerning TV assignments. Agreed AI-1.1 actions were:-

- Identify windprofiler radar stations operating in the band 50-54 MHz and in adjacent bands;
- Identify broadcasting stations operating in the band 50-54 MHz, including their switch off / transition plan and to suppress unused broadcasting assignments in the band 50-54 MHz in the MIFR and the 1961 Stockholm Plan (revised 2006);
- Specify technical and operational characteristics for amateur communication systems in the proposed band;
- Specify technical and operational characteristics and protection criteria for the broadcasting service systems operating in the band 50-54 MHz;
- Specify technical and operational characteristics and protection criteria for land mobile communication systems operating in the band 50-54 MHz;
- Specify technical characteristics and protection criteria for systems of other existing services in the proposed band;
- Conduct compatibility studies based on characteristics, protection criteria and interference scenario's;
- Develop the CEPT position for this Agenda Item.

The PTD minutes included a statement from the Russian Federation:

Russian Federation is of the opinion that proposed draft CEPT Brief on WRC-19 Agenda item 1.1 cannot be used for determination of the spectrum requirements of the amateur service in the 50-54 MHz frequency band. As a result, the Russian Federation reserved its position with respect to the developed draft CEPT Brief.

The pace will now speed up with three meetings scheduled in 2017:-

- PTD#2 January
- PTD#3 May
- PTD#4 September

NB: Coordination/cover is also needed for other CEPT CPG groups as for example PT1 on 5G telecoms (AI-1.13) includes the Amateur 47 GHz Primary allocation as one option.