

UK SPF Plenary

Thursday 22 July 2021

14:00-16:00 BST

- Please stay on mute with your camera off
- Please do not record this session

Agenda

Chair: David Meyer, Chair, **UK SPF**

Keynote: The future of European spectrum policy - the RSPG perspective: Frank Kruger, Chairperson, **RSPG**, and Head of the Directorate “Digital Society and Infrastructure”, **Federal Ministry of Transport and Digital Infrastructure (BMVI)**, Germany

Deployment of 26 GHz in Europe: Tony Lavender, **Plum Consulting** and Chris Nickerson, **Analysys Mason**

Summary of the recent UK SPF Steering Board: Dr. Abhaya Sumanasena, Chair, **UK SPF Steering Board**, and **Real Wireless**

Summary of the Clusters activities:

- **Cluster 1: Future Spectrum Demand** - Saul Friedner, **LS telcom**
- **Cluster 2: (new name) Long-Term Spectrum Strategy** - Stephen Temple, **University of Surrey**
- **Cluster 3: (new name) Spectrum Value and Efficiency including Sharing** - Tony Lavender, **Plum Consulting**
- **Cluster 4: International Spectrum Issues** - Kumar Singarajah, **Euroma**

Session close: David Meyer, Chair, **UK SPF**
uk spectrum policy forum

Keynote: The future of European spectrum policy - the RSPG perspective

Frank Kruger, Chairperson, [RSPG](#), and Head of the Directorate “Digital Society and Infrastructure”, [Federal Ministry of Transport and Digital Infrastructure \(BMVI\)](#), Germany

Deployment of 26 GHz in Europe:

Tony Lavender, Plum Consulting and Chris Nickerson,
Analysys Mason

Cluster meetings – Q3/Q4 2020 and 2021

Cluster 1 - Future Spectrum Demand *Chair: Saul Friedner*

- a) Mobility and legacy networks
- b) Cross cluster meeting on future capacity demand
- c) Applications using mmWave and above
- d) Drones/EVs and other future usages
- e) 6G cross cluster workshop
- e) New rail spectrum initiative

24 March
Joint session
with techUK
on
diversification
and
connected
vehicles

September –
future
capacity
demand with
C3

6G events:

26 May - University of Bristol
workshop – Q2

1 July – University of Surrey
led workshop

16 Sept - University of
Strathclyde workshop

5 Oct - Cluster 2 event to
discuss the draft paper

Cluster 2 – Long term spectrum issues: *Prof Stephen Temple*

- 1. Focus on long term spectrum issues around 6G
- 2. Create a White Paper, informed by workshops, that is submitted to DCMS

Cluster 3 – Spectrum Value and Efficiency inc sharing *Chair: Tony Lavender*

- 1. If there is a DCMS study in this area respond to it
- 2. Upfront fees and tax
- 3. Spectrum Sharing

Cluster 4 – International *Chair: Kumar*

The main international events effecting spectrum

- 1. WRC-23/WRC-27/WRC-31
- 2. Dynamic Spectrum Access and Sharing

8 September - WRC 23 AI 1.5 (below 1 GHz)

16 September - WRC 23 A1 1.2/13

8 March – WRC-23 AI 1.15/1.16

31 March – Deadline for survey on WRC-27 and WRC-31 agenda items

TBC – WRC-23 AI 1.17

15 December - Social
value event

29 October - Public
sector spectrum
release –sharing
defence spectrum

18 June – spectrum
sharing 1/3

TBC August –
spectrum sharing 2/3

TBC Sept – spectrum
sharing 2/3

Update from Cluster 1

Saul Friedner, UK SPF Cluster 1 and LS Telcom

Update from Cluster 2

Stephen Temple, UK SPF Cluster 2 and University of Surrey
5G IC

Showcase current research projects across all UK Universities having the best potential to address 6G wireless research priorities (via 3 University hosted workshops – Bristol, Surrey, Strathclyde)

SEPT 16TH

1. validates the research projects as relevant to UK 6G research priorities,
2. identifies gaps,
3. suggests opportunities for collaboration,
4. looks at the adequacy of research funding streams,
5. flag potential implications for 6G spectrum policy.

Editor:
Cluster 2
Chairman

**White
Paper**

**Cluster 2 “Open
Consultation” on
Recommendations**

SPF TO
DCMS

EARLY OCT

EXPECTED BENEFITS:

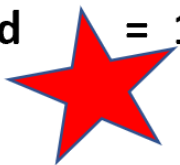
- **Wider understanding of UK University research strengths in 6G wireless**
- **Better targeted research through spectrum policy makers getting closer to the 6G research community**
- **Informative contribution to wider DCMS UK 6G Strategy**

Cluster 2 - Progress Report on the 6G Research initiative

University run 6G Research workshops – *Provisional* Results after the first two workshops

Number of Research Projects Presented = 35

Number of Universities Represented = 19



Concentration around five 6G Goals

Spectrum Efficiency	Widespread Coverage	Seamless Connectivity	Net Zero	Economic Viability
26	9	7	12	2



Hosting University	Number of Registrations
Bristol	247
Surrey	305

Concentration around spectrum band

THz	Mid Band	Low Band
5	12	4

***** The numbers in the tables are a snapshot only. The definitive values will be produced after the 3rd and final workshop at the University of Strathclyde on 16th September and appear in the 6G Research White Paper

Update from Cluster 3

Tony Lavender, UK SPF Cluster 3 and Plum Consulting

Cluster 3 update

- Cluster 3 on 18 June on spectrum sharing supported by William Webb and Tony Sceales (DCMS)
- First of three workshops in response to a request from DCMS to review the extent to which shared spectrum access is creating the right conditions for new players to innovate around 5G (and other communications technologies)
- Two more workshops to come and report back to DCMS by the end of September 2021
 - July [postponed to August] – a review of the Local Access Licence and Shared Access regimes put in place by Ofcom
 - September – Potential recommendations for the introduction and use of DSA in the UK
- Work will take place between the workshops (research among spectrum users)
- A short report will be provided to DCMS on the output of the meetings and research

Update from Cluster 4

Kumar Singarajah, UK SPF Cluster 4 and Euroma

- Workshop held on March 17 on WRC-23 AI 1.15 & 1.16 (Re Use Of Ku & Ka bands for GEO ESIMs & Non-GEO ESIMs respectively)
- Workshop planned on July 14 am on WRC-23 AI 1.17 (Re Use of satellite-to-satellite links at Ka / Ku band). However, workshop now postponed due to some speakers dropping out due to a parallel space industry meeting.
- Workshop targeted in early September on WRC-23 AI 1.8 (Re Use of CNPC links for UAS in FSS allocations) and WRC-23 AI 1.17. Will proceed if sufficient (space) industry interest and volunteers for speakers.
- Workshop targeted in late September / early October on WRC-23 AI 10 (Re Proposed Items for Agenda for WRC-27 and Prelim Agenda for WRC-31). Agenda will take into account responses received from SPF stakeholders on Questionnaire for WRC-27 / WRC-31.
- Proposals for Cluster 4 workshop themes welcome from SPF members (including SME stakeholders).

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Thank you