

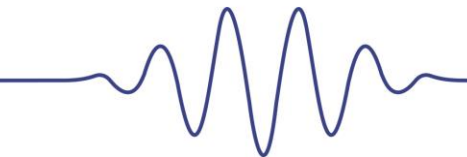
2018 Spectrum Forum Topics

**RSGB Spectrum Forum
October 2018**



Radio Society of Great Britain

Advancing amateur radio since 1913



Contents

- Organisation/ToR
- Band Plans in 2019
- IARU-Vienna
- WRC-19
- New Modes
- Venue/Next Meeting



28-Oct-2017 at Sandy

Organisational Issues

- **Terms of Reference:**
Update and potential deletion of IARU Committee currently being considered to clarify roles/structure
- **AROS:** Replaced by OAS – Operating Advisory Service
- **NEW:** For closer links with Nationally Affiliated Groups...
Simon Taylor MW0NWM appointed new Honorary Officer
Contact: sig.manager@rsgb.org.uk
- **Forum:** Some reps have changed this year.
- and remember, we are contribution driven!

Band Plans in 2019

- Jan-2018 saw incorporation of the IARU-Landshut changes
- No IARU-R1 meetings during 2018, so Jan-2019 will be a fairly quiet up-issue...
- Mainly editorial changes. Examples:-
 - Deletion of old 144.175 Microwave Talk back freq
 - Editorial fix for 2m channel numbers
- Any other changes are currently seen to be more for operating guidance rather than for band plan level
- April 2019 may see some proposals at IARU-Vienna
 - these would be considered as part of the Jan-2020 plan

IARU-R1 Vienna Interim Meeting



- **Timeline:**

- Submissions - 15-Jan-2019
- Distribution - 15-Feb-2019
- Meeting - 26/8-Apr-2019

- **Scope:**

- C4-HF
- C5-VHF/UHF/Microwave
- C7-EMC

- NB: No C3 (General/Youth/Development, etc)...

that awaits next Region-1 General Conference in Novi-Sad, Serbia in Oct-2020

Vienna - Potential Topics

- **C4-HF:**
 - Band Plan Harmonisation (inc latest from Region-3)
 - Shifting balance of MGM/Digimodes vs CW ?
- **C5-VHF/UHF/Microwave**
 - Chair keen on more strategic issues...
 - Spectrum/WRC matters
 - Strategy: Activity, Experimental Spectrum/modes (JR/BL ?)
 - Handbook
 - Contests
- **C7-EMC**
 - WPT-EV
 - Noise floor

■ ITU, WRC and You!

■ **ITU-R**

- World Radio Conference sets the International Radio Regulations inc high level frequency allocations
- Licensing out of scope

■ **CEPT**

- Regional Allocations, Harmonises usage
- Only generic licensing
- Specific uses, Licence-exempt Short Range Devices

■ **Ofcom**

- National Allocations, Specific Uses/Assignments
- Technical Interface Regulations
- Licence Conditions and Licensees

WRC-19 – Oct/Nov-2019

■ Key Agenda Items

- **AI-1.1: 50 MHz in Region-1 (CEPT, ATU, ASMG, RCC)**
- **AI-9.1.6: WPT-EV – Wireless Power Transmission**

■ Others include:

- Small Sats – 1.7
- 5 GHz – 1.16 (RLANS) / 1.12 (Intelligent Transport)
- 5G/IMT2020 – 1.13 (affects 24, 47 GHz)
- >275GHz – 1.15
- Future Items AI-10 – Aim is to have NO amateur matters

NB: Venue: Sharm-el-Sheikh Oct-28 to Nov-22. Still has UK Flight Ban !

WRC-19 – Oct/Nov-2019

■ Ofcom Consultation

- Ran from Jun-7 to Sep-13
- Responses not yet published



■ EU/RSPG Consultation

- Ran from Jun-7 to Jul-20
- Responses and Opinion published



■ CEPT Process to develop

European Common Proposals (ECPs) ongoing

- PT1 has 5G/IMT2020 (relevant to 24/47 GHz)
- PTD has 50 MHz, 5GHz and WPT-EV
- PTA has 275 GHz, Future Items



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New Modes & RSGB Strategy

- **Spectrum** – maintain and enhance radio amateurs' ability to use the radio spectrum
- **Research** – promote active involvement in research and technical development
- **Participation** – support and encourage active participation in amateur radio
- **Growth** – grow and develop amateur radio
- Regulators monitor what we do and how much we use
- Some modes though innovative, are not fully supporting the above. Indeed some threaten our ability to justify spectrum
- Whereas: RBDATV in 71/146 – justifies new spectrum for new developments – could not do that with more of the same

New Modes

- Some of the case at 50 MHz has been based on innovation
- Most MGM have assisted narrowband activity only
- Successful VHF/UHF DV is largely proprietary
- Many narrowband modes fail at VHF+ due to Multipath/Doppler
- Challenges are most serious in the VHF/Microwave bands
- Most activity on the experimental 71 and 146 MHz bands has been testing existing technologies not normally deployed at VHF - they occupy useful bandwidths – not just a few kHz
- UK is poor wrt to Datacomms (AX25 was a long time ago!)

Spectrum Innovation: Needs & Modes

- Recall that Amateur Radio (and its Spectrum) is intended for for ‘Self Training & Technical Investigations’
- Some regulators say that if there is no innovation (ie just black box use), we no longer justify our bands!
- So...

**RSGB Spectrum Managers are considering
an Open Call to Developers**

- To develop attractive/novel modes/applications, make greater use of spectrum, and attract a new generation...
- **What do You want ?!**
(Narrowband, Midbandwidth, Wideband, What-band?)

2019 Meeting / Venue

- Is this place ok? – Better than Sandy ?
- Next year timing has clash with
 - WRC-19
 - CQWW
 - RAYNET AGM
 - Also close to Convention
- What other time of year is preferred ?

NB: Busy months include April, Sep, Oct