

# 2021 Spectrum Forum

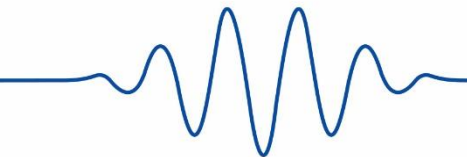
November 2021

## Agenda 5+7: WRC-23 / Spectrum & IARU



Radio Society of Great Britain

Advancing amateur radio since 1913



## 6-Nov-2021 Agenda Topics

- **Item-5:** WRC-23 / Spectrum Sharing Update
- **Item-6:** *HF Bandplan Review – see separate slide pack*
- **Item-7:** IARU Topics
  - SWOT & Region-1 Strategic Workshop
  - Region-3 Conference
  - Region-1 Interim Meeting in 2022

# WRC-23: Agenda Item 9.1.b / 23cm

- IARU is engaged and representing the amateur services in all the international regulatory groups.
  - Both CEPT & ITU have multiple groups making for a busy time
  - Progressing in other Global Regions as well
  - Ongoing IARU contributions made to all groups
  - Interference studies from Admins appearing seeking significant protection for wideband weak signal GNSS receivers
  - IARU believes that the interference potential is over-stated.
  - BUT: The political backing is strong and many regulators are indifferent to the agenda item.
  - *See 23cm slide pack for latest update*

# Other WRC-23 Items

- RSGB has a place on the UK-Ofcom team in CEPT–PTA
- PTA covers Science topics and Future WRC Agenda
- **Science Agenda Items:**
  - Professional/Government Spaceweather and Earth Sensing/Climate sensors seek spectrum and protection across numerous bands inc most of HF, 40-50 MHz and 241 GHz amongst others
- **AI-10 – Future WRC Agenda Items**
  - Already quite detailed for WRC-27 agenda and even chat re WRC-30
  - No Amateur expansion proposals, as IARU priority remains on protecting our existing allocations

# Spectrum Sharing

- Great emphasis (though not yet consistency) in both national and international bodies re more 'spectrum sharing'
- Amateurs already do share – in secondary bands and some primaries – though often not as well recognised as it could be
- It also means Primary bands become more shared too – vs being exclusive, as well as more use in Secondary
- UK Amateur Bands where 'sharing' is topical include:
  - **5MHz, 70cm, 2.3 GHz, 3.4 GHz**
  - **23cm** – where we need to prove we can co-exist/share for WRC-23
  - **146-147 MHz** – NoV renewal highlights non-interference to new/more users

Notes:

- June 2021: Ofcom set licence fees of ~£1.6m/yr in 400MHz for Arqiva – £400k/MHz - so UHF is in high demand
- July 2021: Ofcom Spectrum Strategy statement also seeks greater sharing

# IARU Topics: RSGB in Region-3 – Sep-2021

- For the first time in a long while, RSGB formally attended the IARU Region-3 Conference in September
- Held online by Zoom due to Covid, though at rather early times of the morning for the UK!
- Gave great insight into less visible items at the time:
  - IARU HF Review
  - Other IARU-AC internal initiatives
- Distinct Regional perspectives on growth, emercomms, spectrum etc
- Well organised by hosts RAST



Thailand



# IARU-R1 SWOT & October Workshop

- Original postponed from 2020 due to Covid, the Workshop still had to be virtual in 2021 rather than face-to-face at NoviSad, Serbia
- Lots of background work by steering team assisted by external facilitators including Chris G4IFX
- First step was SWOT survey and analysis in May/June
- Excellent turnout in UK – 1000s of answers
- See RadCom/online for summary of results
- Rolled up with others for IARU-R1 summary as a baseline for the autumn workshop

**From**

### The Strengths, Weaknesses, Opportunities and Threats of amateur radio in the UK

Following the survey that was conducted by the amateur radio community, some common themes and stand out items emerged.

The International Amateur Radio Union (IARU) Region 1 is holding a strategic session in the autumn to understand how national societies can better serve their members. Your feedback will help shape the future of the amateur radio community and its member societies across the globe. We will use your feedback to inform our strategy and to support the growth of amateur radio. The IARU Region 1 survey is a key step in this process. We are grateful for your feedback and will use it to inform our strategy.

At the end of the survey, we asked RSGB members and non-members, whether British or not, to indicate their thoughts on the strengths, weaknesses, opportunities and threats of amateur radio within their own country. We received approximately 1000 responses, giving us a wealth of ideas and suggestions to consider and act upon. We are grateful to those that brought their thoughts to us and to those that helped us understand the issues that were most significant to them. We will use your feedback to inform our strategy and to support the growth of amateur radio. The IARU Region 1 survey is a key step in this process. We are grateful for your feedback and will use it to inform our strategy.

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our experience and looking to join us. This has been done in a collaborative way with the help of our members and the support of our sponsors. We are grateful for your feedback and will use it to inform our strategy.

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STRENGTHS	
1. Strong support from the government and the public.	2. A strong and active amateur radio community.
3. A strong and active amateur radio community.	4. A strong and active amateur radio community.
5. A strong and active amateur radio community.	6. A strong and active amateur radio community.
7. A strong and active amateur radio community.	8. A strong and active amateur radio community.
9. A strong and active amateur radio community.	10. A strong and active amateur radio community.

WEAKNESSES	
1. Limited resources and funding.	2. Limited resources and funding.
3. Limited resources and funding.	4. Limited resources and funding.
5. Limited resources and funding.	6. Limited resources and funding.
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9. Limited resources and funding.	10. Limited resources and funding.

# IARU-R1 October Workshop

- Virtually held by Zoom, aided by Miro and Sli.do tools to aid interactivity in working groups. Also went quite smoothly, but lasted over a week online
- Spent most time on Vision, Desired Outcomes and Strategic Objectives and Initial Actions, rather than on nitty gritty of future project tasks in order to:
  - Create a more coherent framework
  - Spot overlaps/gaps
  - Agree to stand up a Programme Board/teams
  - Agree that the budget surplus due to Covid could support next steps
- Common themes included education/exams, a better outward image, PR/Outreach, Regulatory/external relationships etc
- BAU: Also held formal EC Elections, Awards
- Don G3BJ will be succeeded by Sylvain F4GKR as Region-1 President
- IARU-R1 Formal report due to be released shortly



# IARU-R1 Vienna 2022

- Whilst 2020/2021 have been affected by Covid and been virtual, it is expected that IARU Region-1 will hold its F2F interim meeting in Vienna
- Schedule not yet confirmed but typically held around April, with paper call around Xmas/New Year
- HF Review likely to be a major focus in C4
- C5-VHF-Microwave and C7-EMC also likely to be occupied
- C3 does not have interim meetings, but it may be an opportunity for the new Strategic Program Board/Volunteers

## And in 2023:-

- Both next IARU-R1 Regional Conf and WRC-23 near end of the year