

## ITWG RFI TSG 18 June 2021

### Attendees

Jean Pla (co-chair), Nancy Baker (co-chair), Stephen English (co-chair), Rich Kelley (co-chair), Emma Turner, Erin Jones, Hidehiko Murata, Hiroyuki Shimizu, Indira Rani, James Jung, Judy Deng, Keiichi Kondo, Masahiro Kazumori, Mikael Rattenborg, Mike Banks, Mohammed Zomorodi, Niels Bormann, Ninghai Sun, Norio Kamekawa, Roger Oliva Balague, Vincent Guidard, Liam Gumley, Leanne Avila.

### Motivations included:

- To ensure the links between this group and the CGMS activities on Frequency Coordination.
- What we can do to monitor occurrence of RFI and its impact on applications such as NWP and climate, as well as remote sensing applications in general
- How RFI impacts relate to spectral response functions.
- Discuss what this group can do in general to address spectrum issues for operational meteorology missions.
- The impact of RFI on the reliable downlink of real-time satellite data in X-band and L-band.

As this meeting was re-launching the TSG there was not time to address all these issues, but they will be addressed in future TSGs.

Items discussed (details in forthcoming rfi TSG report):

- Relevant outputs from WRC and Plenipotentiary ITU Conferences
- ITWG RFI TSG POCs in key international and regional groups
- ITWG RFI web coordinator to coordinate RFI-related material with WG
- WRC-23 and future WRC items in WMO / USA position papers of interest to ITWG and identify ITWG WGs which may have an interest in each
- non-WRC issues of interest to ITWG, and identify ITWG WGs which may have an interest in each
- New IEEE Standard from IEEE SA just starting under chairmanship of Roger Oliva
- Status of development of detection for low levels of RFI in bands of interest to ITWG, with possible reports/recommendation on HLPP item for this, esp. at 24 GHz or for the band 86-92 GHz
- Key issues for each WG (NWP, AS, Climate, Products, RT, International)
- Issues to communicate to CGMS and to WMO/ET-RFC
- Frequency TSG meets (with each ITSC or more frequent?)
  - It was agreed that the key dates for spectrum matters to not always align with the timeframe of ITSCs, so it is useful for the TSG to meet independent and more often than at ITSCs. It was agreed that December 2021 would be the ideal timeframe for a short update meeting. It was noted the next ITSC is probably to be held very late in 2022.