802.18 Technical Activities
November 2022

Edward Au
Chair, IEEE 802.18 Technical Advisory Group
edward.ks.au@gmail.com
802.18 does NOT develop standards
802.18 does NOT develop standards

So … what is 802.18 doing?
We support the work of 802 & its wireless WGs/TAGs by actively monitoring and participating in radio regulatory matters worldwide as an advocate for 802.
We support the work of 802 & its wireless WGs/TAGs by actively monitoring and participating in radio regulatory matters worldwide as an advocate for 802.

So … what is 802.18 EXACTLY doing?
Contribute to regulatory proceedings and consultations worldwide

Our primary focus
#1: Review

- **APAC**
  - Asia-Pacific Telecommunity (APT), Australia ACMA, China MIIT, Hong Kong HKCA, India DoT, India TRAI, Indonesia MCIT, Japan MIC, Korea MSIT, Malaysia MCMC, New Zealand RSM, Singapore IMDA, Thailand NBTC, Vietnam MIC, …

- **Americas**
  - Canada ISED, Canada RABC, United States FCC, …

- **Europe**
  - European Commission, European Commission RSPG, France Arcep, Norway Nkom, Portugal ANACOM, UK Ofcom, Sweden PTS, …

- **ITU**
  - ITU-R Working Party 5A
#2: Approval

- Individuals prepare draft submissions for review and approval
- 802.18 forwards the submissions to EC to review and consider approval, before submitting as IEEE 802 contributions
IEEE 802 LMSC

Public Statements to Government Bodies

Per IEEE 802 LMSC Operations Manual, Section 7.2.1, all IEEE 802 LMSC public statements to government bodies shall expire 5 years after issue

- 06 Nov 2022, To ITU-R WP 5a, #5, submission on further updates to recommendation M.1450-5
- 06 Nov 2022, To ITU-R WP 5a, #6, Proposed IEEE 802's views on Annex 17 to Doc. 5A/597
- 10 Oct 2022, To Norway Nkom, comment on the consultation "Public consultation - proposal for regulations on the amendment of the free use regulations"
- 04 Oct 2022, To UK Ofcom, comment on the consultation "UK preparations for the World Radiocommunication Conference 2023 (WRC-23)"
- 23 Sep 2022, To France Arcep, comment on the consultation "Preparing for the Future of Mobile Networks"
- 18 Aug 2022, To European Commission, comment on the consultation "Opinion on the ITU-R World Radiocommunication Conference 2023"
- 26 Jul 2022, To European Commission, comment on the call for evidence: World Radiocommunication Conference 2023 - EU position
- 16 May 2022, To ITU-R WP 5a, #6, submission on further updates to recommendation M.1450-5
- 15 May 2022, To ITU-R WP 5a, #5, submission on further updates to recommendation M.1801-2
- 08 Apr 2022, To Ofcom, comment to the consultation "Enabling spectrum sharing in the upper 6 GHz band"
- 09 Feb 2022, To Ofcom, response to Discussion Document Paper on Unlocking the Potential of Terahertz Radio Spectrum
- 22 Oct 2021, To ITU-R WP 5a, #4, submission on further updates to recommendation M.1450-5
- 22 Oct 2021, To ITU-R WP 5a, #4, submission on further updates to recommendation M.1801-2
- 14 Oct 2021, To FCC, reply comments to NPRM on 60GHz motion sensing radars
- 09 Oct 2021, To ITU-R WP 16, response to liaison on Visible Light Communications
- 24 Feb 2021, To ITU-R WP 5a-95, submission on further updates to recommendation M.1450-5
- 24 Feb 2021, To ITU-R WP 5a-95, submission on further updates to recommendation M.1801-2
- 28 Oct 2020, To FCC, ex parte comments to NPRM on revisiting the 5.9GHz band, how to cite IEEE 802 standards
- 06 Oct 2020, To ITU-R WP 16, submission on TNC communications
- 06 Oct 2020, To ITU-R WP 5a, submission on further updates to recommendation M.1450-5
- 06 Oct 2020, To ITU-R WP 5a, submission on further updates to recommendation M.1801-2
- 04 Aug 2020, To FCC, comments to NPRM on Modernizing and Expanding Access to the 70/80/90 GHz Bands
- 09 Jul 2020, To ITU-R WP 5a, submission on updates to recommendation M.1801-2
- 09 Jul 2020, To ITU-R WP 5a, submission on updates to recommendation M.1250-5
- 27 Apr 2020, To FCC, Reply Comments to NPRM on revisiting the 5.9GHz band
- 04 Mar 2020, To FCC, Comments to NPRM on revisiting the 5.9GHz band
- 15 Jan 2020, To Ofcom, comments to Ofcom (UK) on proposals for changes to the licence assumption for Wireless Telegraphy Devices
For the Public Good: Contribute to SA Public Policy Statements

Our new activities
IEEE Statement on Spectrum Update (ISUS) ad-hoc

- Charter:
  - To develop a revised IEEE Standards Association policy statement on the Intelligent Spectrum Allocation and Management (former version: approved on 5 September 2018)
Support 802 standards development

Our new activities
mmWave (mmW) ad-hoc

• Charter:
  • To study mmWave spectrum bands 45 GHz and 60 GHz to provide insight on global availability and current/projected regulatory status for these bands. The resulting study should be provided to the IEEE 802.11 Ultra High Reliability Study Group and other 802 WGs to increase their understanding of available mmWave spectrum.
www.ieee802.org/18

For more information