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| **U.S. ITU-R**  **Study Groups**  **Preparatory**  **Meetings** | **U.S. Working Party 5B**  **Preparatory Meeting #3 for May 2021**  **Tuesday, March 30, 2021**  **1:30 – 3:30 pm Eastern**  **Microsoft Teams meeting**  **Join on your computer or mobile app**  [**Click here to join the meeting**](https://teams.microsoft.com/l/meetup-join/19%3ameeting_YTYxOWNlODktYWJjMi00NTNmLWJkODItZTllMWIzNzEwZWU1%40thread.v2/0?context=%7b%22Tid%22%3a%22d6cff1bd-67dd-4ce8-945d-d07dc775672f%22%2c%22Oid%22%3a%22de486476-566d-4086-8963-b6c126631642%22%7d)  **Or call in (audio only)**  [**+1 202-886-0111,,379711984#**](tel:+12028860111,,379711984# )  **Phone Conference ID: 379 711 984#**  [**Find a local number**](https://dialin.teams.microsoft.com/2e8e819f-8605-44d3-a7b9-d176414fe81a?id=379711984) |  |

**Agenda**

1. **Opening Comments** (email BOTH [elee@ntia.gov](mailto:elee@ntia.gov) and [louis.bell@fcc.gov](mailto:louis.bell@fcc.gov) to confirm attendance with Subject: USWP5B Attendance, as we track this throughout the cycle for Delegation determination)
   * See Section 6 for guidance on self-registration
   * Check your name in the USWP5B delegate list
   * **Send your request now if you are not on the list but plan to attend WP5B as a US delegate**
2. **Approval of the Meeting Agenda**
3. **Reference Docs:** USWP5Bpreparation schedule



1. **Update on the Correspondence Groups**
   * AI 1.8
   * ITU-R M.493 and ITU-R M.541 CG
2. **Documents for Consideration:** Documents can be downloaded at <https://uspreps.ntia.gov/wp5b>. Newest meetings appear at the bottom of the page

| **Document #** | **Title** | **Author(s)** | **Notes** |
| --- | --- | --- | --- |
| USWP5B26-01 | EXAMPLE OF A FRAMEWORK FOR REVISIONS TO RESOLUTION 155 (Rev.WRC-19) IN SUPPORT OF STUDIES UNDER WRC-23 AGENDA ITEM 1.8 | * Don Nellis, FAA * Michael Neale, ACES Corp for FAA * **Scott Kotler, Lockheed Martin Corp** | No change to the doc |
| USWP5B26-02 | WORKING DOCUMENT TOWARDS A PRELIMINARY DRAFT NEW REPORT ITU-R M.[UA-AIRBORNE-DAA] - Guidance on suitable frequency bands and services to be used by airborne unmanned aircraft detect-and-avoid non-cooperative systems communications of unmanned aircraft systems | * Don Nellis, FAA * **Mohammed Rahman, FAA** * Michael Neale, ACES Corp for FAA | Edits in track change.  Yellow highlight for TBD. |
| USWP5B26-03 | WORKING DOCUMENT TOWARDS A PRELIMINARY DRAFT NEW REPORT ITU-R M.[UA-GROUND-DAA] - Guidance on suitable frequency bands and services to be used by unmanned aircraft ground based detect-and-avoid non-cooperative systems | * Don Nellis, FAA * **Mohammed Rahman, FAA** * Michael Neale, ACES Corp for FAA | Edits in track change.  Yellow highlight for TBD. |
| USWP5B26-04 | WORKING DOCUMENT TOWARDS A PRELIMINARY DRAFT NEW RECOMMENDATION ITU-R M.[15.4-15.7\_GHz\_ARNS] - Characteristics of and protection criteria for radars operating in the aeronautical radionavigation service in the frequency band 15.4-15.7 GHz | * Don Nellis, FAA * **Mohammed Rahman, FAA** * Michael Neale, ACES Corp for FAA | Edits in track change.  Yellow highlight for TBD. |
| ~~USWP5B26-05~~ | ~~WORKING DOCUMENT TOWARDS A PRELIMINARY DRAFT NEW RECOMMENDATION ITU-R M.[24.45-24.65\_GHz\_ARNS] - Characteristics of and protection criteria for radars operating in the aeronautical radionavigation service in the frequency band 24.45-24.65 GHz~~ | * ~~Don Nellis, FAA~~ * **~~Mohammed Rahman, FAA~~** * ~~Michael Neale, ACES Corp for FAA~~ | Withdrawn |
| USWP5B26-06 | Proposed Reply Liaison Statement to WP 5D (for AI 1.1) | * Fumie Wingo, DON CIO * **Taylor King, ACES for DON CIO** * Carmelo Rivera for DON CIO | Edits in track change |
| USWP5B26-07 | Working Document Towards a Preliminary Draft Revision of Recommendation ITU-R M.2116-0, “Technical characteristics and protection criteria for the aeronautical mobile service systems operating within the 4 400-4 990 MHz frequency range” | * Fumie Wingo, DON CIO * **Taylor King, ACES for DON CIO** * Carmelo Rivera for DON CIO * Jerry Ulcek, USCG * Ross Norsworthy, REC, Inc. for USCG | Edits in track change  Possible multi-country proposal |
| USWP5B26-08 | Working Document Towards Preliminary Draft Revised Recommendation ITU-R M.1849 – Technical and Operational Aspects of Ground-based Meteorological Radars | * **Jeffery Devereux RFMD/NOAA, DOC** * Andrew Meadows, AFSMO * Dominic Nguyen, eSimplicity for USAF | No change to the doc |
| USWP5B26-08A | Proposed Liaison Statement to Working Party 5D Regarding Minor Updates to Recommendation ITU-R M.1849 | * Jeffery Devereux RFMD/NOAA, DOC * **Dave Franc, RFMD, DOC** | Edits in track change |
| ~~USWP5B26-09~~ | ~~Working Document towards Draft CPM Text for WRC-23 Agenda Item 1.6~~ | * **~~Chris Tourigny, FAA~~** * ~~Michael Tran, MITRE for FAA~~ * ~~Nader Damavandi, Space Exploration Technologies~~ * ~~Damon Ladson, Harris, Wiltshire & Grannis~~ * ~~Don Jansky~~ | Withdrawn |
| USWP5B26-10 | Work Plan for WRC-23 Agenda Item 1.6 | * **Chris Tourigny, FAA** * Michael Tran, MITRE for FAA * Nader Damavandi, Space Exploration Technologies * Damon Ladson, Harris, Wiltshire & Grannis * Don Jansky | No change to the doc |
| USWP5B26-11 | WD-PDN Report ITU-R M.[SUBORBITAL STUDIES], “Regulatory, operational, and technical studies of radiocommunications for suborbital vehicles.” | * **Chris Tourigny, FAA** * Michael Tran, MITRE for FAA * Nader Damavandi, Space Exploration Technologies * Damon Ladson, Harris, Wiltshire & Grannis * Don Jansky | No change to the doc |
| USWP5B26-12 | Working Document towards a Preliminary Draft New Recommendation ITU-R M.[AMRS-VDL], “Characteristics and protection criteria for the International Civil Aviation Organization standardized VHF datalink Mode 2 systems operating in the aeronautical mobile (route) service in the frequency band 136-137 MHz” | * **Chris Tourigny, FAA** * Michael Tran, MITRE for FAA | Edits in track change |
| USWP5B26-13 | Proposed updates to Working Document towards a Preliminary Draft New Report, ITU-R M.[RADAR SIMULATIONS], “Simulations of performance for specific primary surveillance radars” | * **Chris Tourigny, FAA** * Dave Franc, RFMD, DOC * Robert Leck, ASES Inc. * Michael Tran, MITRE for FAA | Edits in track change |
| ~~USWP5B26-14~~ | ~~Reply Liaison to WP-4C Regarding WRC-23 Material for A.I. 1.11~~ | * **~~Don Jansky, JTBI~~** * ~~Damon Ladson, Harris, Wiltshire & Grannis~~ | Withdrawn |
| USWP5B26-15 | Preliminary Draft Revision of Recommendation ITU-R M.1638-1, “Characteristics of and protection criteria for sharing studies for radiolocation (except ground based meteorological radars) and aeronautical radionavigation radars operating in the frequency bands between 5 250 and 5 850 MHz” | * Fumie Wingo, DON CIO * **Taylor King, ACES for DON CIO** * Carmelo Rivera, ACES for DON CIO | Edits in track change |
| USWP5B26-16 | Preliminary Draft Revision of Recommendation ITU-R M.2092-0  Technical characteristics for a VHF data exchange system (VDES) in the VHF maritime band | * Jerry Ulcek, USCG * **Johnny Schultz, Sev1Tech** * Ross Norsworthy, REC Inc | No edits. Only formatting changes |
| USWP5B26-17 | Preliminary Draft Revision of Recommendation ITU-R M.2135-0  Technical characteristics of autonomous maritime radio devices operating in the frequency band 156-162.05 MHz | * Jerry Ulcek, USCG * **Johnny Schultz, Sev1Tech** * Ross Norsworthy, REC Inc | Edits in yellow highlight |
| USWP5B26-18 | Working document toward a preliminary draft new report ITU-R M.[LED-EMI] “Conditions for the protection of radio receivers installed onboard vessels  against electromagnetic interference from LED lighting systems  and other unintended sources” | * Jerry Ulcek, USCG * **Ross Norsworthy, REC Inc** * Johnny Schultz, Sev1Tech | Edits in track change |
| USWP5B26-19 | Updates to Working document towards a preliminary draft new  report ITU-R [NON-SAFETY AMS] | * Daniel Bishop, NASA * Ryan S. McDonough, NASA * **Michael Gasper, NASA** * Andrew Meadows, AFSMO * Dominic Nguyen, eSimplicity for USAF | USWP5B26-27 is merged into USWP5B26-19.  Edits in track change. Yellow highlight for placeholder |
| USWP5B26-20 | Draft Revision of Recommendation ITU-R M.1465-3, “Characteristics of and protection criteria for terrestrial radars operating in the radiodetermination service in the frequency band 3 100-3 700 MHz” | * **Andrew Meadows, AFSMO** * Tan Ly, ASMO * Fumie Nakahara Wingo, DON CIO * Tito Alvarez, MITRE for ASMO * Dominic Nguyen, eSimplicity for USAF * Kellen Gibson, DSO * John Ashley, MITRE for DSO * Frank Box, MITRE for ASMO | Edits in yellow highlight |
| USWP5B26-21 | Preliminary Draft Revision of Recommendation ITU-R M.1796-2, “Characteristics of and protection criteria for terrestrial radars operating in the radiodetermination service in the frequency band 8 500-10 680 MHz” | * **Andrew Meadows, AFSMO** * Dominic Nguyen, eSimplicity for USAF * Fumie Nakahara Wingo, DON CIO * Tan Ly, ASMO * Kellen Gibson, DSO | Edits in yellow highlight |
| USWP5B26-22 | Draft Reply Liaison to Working Party 5D concerning WRC-23 Agenda Item 1.2 | * **Andrew Meadows, AFSMO** * Tan Ly, ASMO * Kellen Gibson, DSO * Dominic Nguyen, eSimplicity for USAF * Tito Alvarez, MITRE for ASMO * Frank Box, MITRE for ASMO | Edits in track change |
| USWP5B26-23 | Draft Reply Liaison to Working Party 4C concerning WRC-23 Agenda Item 1.18 | * **Andrew Meadows, AFSMO** * Tan Ly, ASMO * Kellen Gibson, DSO * Dominic Nguyen, eSimplicity for USAF * Tito Alvarez, MITRE for ASMO * Frank Box, MITRE for ASMO * John Ashley, MITRE for DSO | Edits in track change |
| USWP5B26-24 | Working document toward PDN Recommendation ITU-R M.[AMS-CHARACTERISTICS 1780-1850 MHz] | * **Andrew Meadows, AFSMO** * Dominic Nguyen, eSimplicity for USAF * Kellen Gibson, DSO * John Ashley, MITRE for DSO * Fumie Nakahara Wingo, DON CIO * Taylor King, ACES for DON CIO | Further revised from the version circulated early. Edits in track change |
| ~~USWP5B26-25~~ | ~~Preliminary Draft Revision of Recommendation ITU-R M.1464-2, “Characteristics of non-meteorological radiolocation radars, and characteristics and protection criteria for sharing studies for aeronautical radionavigation and radars in the radiodetermination service operating in the frequency band 2 700-2 900 MHz”~~ | * **~~Andrew Meadows, AFSMO~~** * ~~Dominic Nguyen, eSimplicity for USAF~~ * ~~Tan Ly, ASMO~~ * ~~Fumie Nakahara Wingo, DON CIO~~ * ~~Tito Alvarez, MITRE for ASMO~~ * ~~Kellen Gibson, DSO~~ * ~~John Ashley, MITRE for DSO~~ | Withdrawn |
| USWP5B26-26 | Preliminary Draft Revision of Recommendation ITU-R M.1730-1, “Characteristics of and protection criteria for the radiolocation service in the frequency band 15.4-17.3 GHz” | * **Andrew Meadows, AFSMO** * Kellen Gibson, DSO * Dominic Nguyen, eSimplicity for USAF | Edits in yellow highlight |
| ~~USWP5B26-27~~ | ~~Working document towards a preliminary draft new Report ITU-R [NON-SAFETY AMS]- Technical study for new non-safety aeronautical mobile applications~~ | * **~~Andrew Meadows, AFSMO~~** * ~~Dominic Nguyen, eSimplicity for USAF~~ | Combined with USWP5B26-19 |
| USWP5B26-28 | Draft work plan for WRC-23 agenda item 1.9 | * **Ron McGowan, Collins Aerospace** * Andrew Roy, ASRI * Damon Ladson, Harris, Wiltshire & Grannis | No change to the doc |
| USWP5B26-29 | Working document towards preliminary draft new report ITU-R M.[Aero-Wideband-HF] | * **Ron McGowan, Collins Aerospace** * Andrew Roy, ASRI * Damon Ladson, Harris, Wiltshire & Grannis | Edits in track change |
| USWP5B26-30 | Working document towards draft CPM text for WRC-23 agenda item 1.9 | * **Ron McGowan, Collins Aerospace** * Andrew Roy, ASRI * Damon Ladson, Harris, Wiltshire & Grannis | No change to the doc |
| USWP5B26-31 | PRELIMINARY DRAFT NEW REPORT ITU-R M.[UA\_PFD] - Review of power flux-density limits in accordance with resolves 16 of Resolution 155 (WRC-15) | * Don Nellis, FAA * **Michael Neale, ACES Corp for FAA** | No change to the doc |
| USWP5B26-32 | WORKING DOCUMENT TOWARDS A PRELIMINARY DRAFT NEW REPORT/RECOMMENDATION ITU-R M.[UAS CNPC\_CHAR] - Characteristics of unmanned aircraft system control and non-payload Earth stations for use with space stations operating in the Fixed Satellite Service | * Don Nellis, FAA * **Michael Neale, ACES Corp for FAA** | Edits in track change |
| USWP5B26-33 | WORKING DOCUMENT TOWARDS A PRELIMINARY DRAFT NEW RECOMMENDATION ITU-R M.[TER\_AG\_CNPC\_CHAR] - Characteristics and Protection Criteria of Terrestrial Air-Ground, Unmanned Aircraft System Control and Non-Payload Communications Links operating in the aeronautical mobile (route) service in the frequency band 5 030-5 091 MHz | * Don Nellis, FAA * **Peter Georgiou, FAA** * Michael Neale, ACES Corp for FAA | No change to the doc |

1. **WP 5B Meeting Registration (Updated guidance 01/04/2021)**

1. A Self-Registration request will NOT be processed by the Designated Focal Point (najarianpb@state.gov) UNLESS there is an email request from yourself to the respective US HoDs asking to join the delegation; and a return acknowledgment from the US HoD. **[List of requests received will distributed before the 2nd and 3rd meetings]**

2. An email confirmation response by the ITU-R (through the DFP) does NOT guarantee your participation as a member of the US Del. Each US HoD sets their own criteria for active participation. Some HoDs require active participation at each of their prep meetings. Please double-check the participation criteria with the respective HoD. Otherwise the HoD may request your removal from the Delegation with the proper justification.

3. Some HoDs set their own Registration Deadline as part of their prep timeline, and definitely prior to a shift toward “Delegation-only” mode. Self-Registration requests received after the Registration Deadline will NOT be processed without the express consent of the HoD.

4. State Dept may be able to address and resolve some Self-Registration issues on a case-by-case basis, and with solid justification. However, a HoD has the prerogatives as to who can serve on a US Delegation.

NOTE: The ITU-R Self-Registration process allows you to register only once for the entire block. Once registered for a block, you may not be able to add additional Working Parties, etc. For example: If you have already registered for SG4 and 4A, you will not be able to add 4B or 4C at a later date. In order to do so, this requires a rejection of your request; and a complete re-start. Please make your choices carefully.

Also, please do not register for meetings that you are not planning to attend. This happens frequently at the Study Group level. If you are not planning to attend the SG, please do not register for it. (At the recent SG5 meeting, about 1/3 of the US registrants actually joined the meeting).

1. **Next Meeting of US WP 5B:** Documents for National committee are due to the USWP5B chair on **April 7th at 3 pm**. The USWP5B delegation meeting will be held on **May 5th at 1:30 pm.**
2. **Other Business**