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| **U.S. ITU-R**  **Study Groups**  **Preparatory**  **Meetings** | **U.S. Working Party 5B**  **Preparatory Meeting #1 for July 2023**  **Monday, February 13, 2023**  **1:00PM – 3:00PM EST**  Microsoft Teams meeting  [**Click here to join the meeting**](https://teams.microsoft.com/l/meetup-join/19%3ameeting_NDZlYzM3YTMtOTRjYy00YzJkLWIxYzgtODU0YzJiYWEwYjQx%40thread.v2/0?context=%7b%22Tid%22%3a%22d6cff1bd-67dd-4ce8-945d-d07dc775672f%22%2c%22Oid%22%3a%2296bade34-ad62-4492-9217-703e3bea72b1%22%7d)  **Or call in (audio only)**  [**+1 202-886-0111,,171563175#**](tel:+12028860111,,171563175)  United States, Washington DC  **Phone Conference ID: 171 563 175#** |  |

**Agenda**

1. **Opening Comments** 
   1. Welcome & Chairmen introduction
   2. Attendance will be captured from MS Teams. Only phone dial-ins need to email [cglass@ntia.gov](mailto:cglass@ntia.gov) (cc Shelli Rose Haskins [shaskins@ntia.gov](mailto:shaskins@ntia.gov)) and [louis.bell@fcc.gov](mailto:louis.bell@fcc.gov) to confirm attendance.
   3. Meeting documents can be found at <https://uspreps.ntia.gov/wp5b> under the associated meeting. See item 7. for today’s meetings link.
   4. MS Teams Features
      1. Document Screen Sharing -> *this will be controlled by the Chairman (NTIA)*
      2. Mute/unmute (\*6 on phone) *-> please mute your audio if you are not actively speaking.*
      3. Requesting the floor –> *In MS Teams via raised hand, or (for phone dial-in only) by audibly requesting the floor*
2. **Approval of the Meeting Agenda**
3. **Meeting Registration Information**
   1. The July 2023 Working Party 5B meeting will be in-person with remote participation.
   2. The location is still to be determined (TBD).
   3. The U.S. Registration is set to open March 13th at 3PM EDT (end of meeting #2) and closes July 3rd at 5PM EDT. The ITU website currently shows registration opening on April, 11 2023. Once you are on the delegation list you may register for the meeting.
   4. You need to be on the delegation list of US WP5B *before* self-registering.
   5. E-mail [cglass@ntia.gov](mailto:cglass@ntia.gov) (cc Shelli Rose Haskins [shaskins@ntia.gov](mailto:shaskins@ntia.gov)) and [louis.bell@fcc.gov](mailto:louis.bell@fcc.gov) with an indication of in-person or virtual meeting participation any time from now until the registration closes.
   6. Once you participated in 2 of the 4 scheduled meetings, your name will be added to the delegation list and that list will be emailed periodically.
   7. Be sure to self-register by the deadline. It is a two-step process and includes self-registering & DoS approval. If you register after the deadline, you may be removed from the delegation. The Department of State will not process self-registration requests that happen within 48 hours of the meeting.
   8. Authors must attend the meeting in-person or arrange for an alternate attending in-person to introduce their document.
4. **Reference Documents for Information**
   1. Prep Schedule b. SG5 Circular c. Format Guide for Authors

\*To be Announced (TBA)

 

1. **Quick Review of Meeting Preparation Schedule**
   1. Note: 4 scheduled US WP5B meetings, NC Review, Reconciliation, Delegation Meetings, & SG5
2. **Update on the Correspondence Groups**
   1. None
3. **Documents for Consideration:** Documents can be downloaded at <https://uspreps.ntia.gov/wp5b/first-preparatory-meeting-us-working-party-5b-itu-r-working-party-5b-meeting-july-2023>

| **Document #** | **Title** | **Authors** | **Notes** |
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| **AI 1.1** | | | |
| USWP5B31-**11**\_FS\_ rev\_to\_m.2116 | 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 * Ken Keane, Duane Morris * Dan Jablonski, JHU APL * Brad Kaufman, eSimplicity for AFSMO | **Fact Sheet**  Reference: [5B/731 +Ann. 07](https://www.itu.int/md/R19-WP5B-C-0731/en) |
| **AI 1.4** | | | |
| USWP5B31-**10**\_FS  \_M.[AMS CHAR 1780-1850 MHz] | Draft new Recommendation ITU-R M.[AMS CHARACTERISTICS\_1 780-1 850 MHz] - Technical characteristics and protection criteria for systems operating in the aeronautical mobile service within the frequency range 1 780-1 850 MHz | * Andrew Meadows, AFSMO * **Dominic Nguyen, eSimplicity for AFSMO** * Kellen Gibson, DSO * Ryan Saunders, DSO * Dan Jablonski, John Hopkins Applied Physics Lab | **Fact Sheet**  (Suggest re-wording as the FS could be interpreted as an effort to change the characteristics used in AI1.4 studies & to change the results reflected in the draft CPM text. Since that is not possible, we should try to avoid that implication. Use Doc. 11 as re-wording example.) |
| **AI 1.6** | | | |
| USWP5B31-**01**\_FS  \_AI 1.6 | WD-PDN Report relating to various aspects of use of radiocommunications for suborbital vehicles [SUBORBITAL VEHICLES STUDIES] | * Chris Tourigny, FAA * **Michael Tran, MITRE for FAA** * Nader Damavandi, Space Exploration Technologies * Damon Ladson, Harris, Wiltshire & Grannis * Don Jansky * Joseph Cramer, Boeing | **Fact Sheet**  Reference: [5B/731 +Ann. 14](https://www.itu.int/md/R19-WP5B-C-0731/en) |
| **AI 1.7** | | | |
| USWP5B31-**02**\_FS  \_AI 1.7 | PDN Report ITU-R M.[SPACE-VHF], Space-based aeronautical VHF communications in the frequency band 117.975-137 MHz | * Chris Tourigny, FAA * Sandra Wright, FAA * Andrew Roy, ASRI * **Michael Tran, MITRE for FAA** | **Fact Sheet**  Reference: [5B/731 +Ann. 9](https://www.itu.int/md/R19-WP5B-C-0731/en) |
| **AI 1.8** | | | |
| USWP5B31-**08**\_FS\_UA PFD Res 155 | 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** | **Fact Sheet** |
| **AI 1.10** | | | |
| USWP5B31-**09**\_FS\_ AI1.10-15GHz | Sharing of the frequency band 15.4-15.7 GHz between RLS radars and future non-safety AM(OR)S systems | * Andrew Meadows, AFSMO * **Dominic Nguyen, eSimplicity for USAF** | **Fact Sheet**  Reference: [5B/731 +Ann. 15 - Ann. 3](https://www.itu.int/md/R19-WP5B-C-0731/en) |
| USWP5B31-**13**\_FS\_wd-pdn\_Recommendation  \_m.15.4-15.7\_ghz\_ arns | 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. | * **Mohammed Raman, FAA** * Don Nellis, FAA * Taylor King, ACES for DON CIO | **Fact Sheet** |
| USWP5B31-**22**\_FS\_ AMS\_EESSShare | Updates to Working document towards a preliminary draft new  report ITU-R [NON-SAFETY AMS CHARACTERISTICS AND SHARING STUDIES] | * Daniel Bishop, NASA * **Ryan S. McDonough, NASA** | **Fact Sheet**  Reference: [5B/731 +Ann. 15 - Ann. 9](https://www.itu.int/md/R19-WP5B-C-0731/en) |
| **Other Topics** | | | |
| USWP5B31-**03** \_FS\_ RadarSim | 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 * **Michael Tran, MITRE for FAA** | **Fact Sheet**  Reference: [5B/731 +Ann. 17](https://www.itu.int/md/R19-WP5B-C-0731/en) |
| USWP5B31-**04** \_FS\_ M.1851\_  Cosine\_on\_Pedestal | PRELIMINARY DRAFT REVISION OF RECOMMENDATION ITU-R M.1851-1  Mathematical models for radiodetermination radar and aeronautical mobile systems antenna patterns for use in interference analyses | * Tan Ly, ASMO * Arpril Lundy, NTIA * **Raafat Nasser, ACES Inc for US Army** | **First Draft**  Reference: [5B/731 +Ann. 6](https://www.itu.int/md/R19-WP5B-C-0731/en) |
| USWP5B31-**05**\_ FS\_ Estimate Bandwidth | Estimate Radar Bandwidth for Noise Power Calculation | * Tan Ly, ASMO * April Lundy, NTIA * Kim Kolb, Boeing * Brad Benbow, DOE * **Raafat Nasser, ACES Inc for US Army** | **First Draft** |
| USWP5B31-**06**\_FS\_THz Spec | Liaison Statement to WP 5A, WP 5C, WP 7C and WP 7D. | * **Michael Marcus, Marcus Spectrum Solutions** | **Fact Sheet** |
| USWP5B31-**07**\_FS\_  CNPC\_CHAR\_5GHz | WORKING DOCUMENT TOWARDS A PRELIMINARY DRAFT NEW RECOMMENDATION ITU-R M.[CNPC\_CHAR\_5GHz] - Characteristics and protection criteria of terrestrial and satellite unmanned aircraft system control and non-payload communications links operating in the aeronautical mobile (route) service and  aeronautical mobile satellite (R) service in the band 5 030-5 091 MHz | * Don Nellis, FAA * **Michael Neale, ACES Corp for FAA** | **Fact Sheet**  Reference: [5B/731 +Ann. 8](https://www.itu.int/md/R19-WP5B-C-0731/en) |
| USWP5B31-**12** \_FS\_ rev\_to\_m1638 | 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 * Andrew Meadows, AFSMO * **Taylor King, ACES for DON CIO** * Carmelo Rivera, ACES for DON CIO * Dominic Nguyen, eSimplicity for AFSMO | **Fact Sheet**  Reference: [5B/731 +Ann. 5](https://www.itu.int/md/R19-WP5B-C-0731/en) |
| USWP5B31-**14**\_FS\_pdn  \_recommendation\_  m.24.45-24.65\_ghz\_arns | 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 | * **Mohammed Rahman, FAA** * Don Nellis, FAA | **Fact Sheet**  Reference: [5B/731 +Ann. 13](https://www.itu.int/md/R19-WP5B-C-0731/en) |
| USWP5B31-**15**\_FS\_wd-HANDBOOK ON UAS DAA | WORKING DOCUMENT TOWARDS A HANDBOOK ON UNMANNED AIRCRAFT DETECT AND AVOID SYSTEMS [HDBK.UAS\_DAA] - Guidance on suitable frequency bands and services to be used by airborne unmanned aircraft detect-and-avoid non-cooperative systems | * **Mohammed Rahman, FAA** * Don Nellis, FAA | **Fact Sheet**  Reference: [5B/731 +Ann. 19](https://www.itu.int/md/R19-WP5B-C-0731/en) |
| USWP5B31-**16**\_FS\_WD toward new Rec ITU-R M.[DIGITAL-VOICE] | Working document toward draft new Recommendation ITU-R M.[DIGITAL-VOICE] Improved efficiency in the maritime mobile service by the introduction of digital voice communications technology. | * Jerry Ulcek, USCG * Johnny Schultz, Sev1Tech * **Ross Norsworthy, REC Inc** | **Fact Sheet**  Reference: [5B/731 +Ann. 10](https://www.itu.int/md/R19-WP5B-C-0731/en) |
| USWP5B31-**17**\_FS\_ rev\_Rec M.1084-5 | Working document toward PRELIMINARY DRAFT REVISION OF RECOMMENDATION ITU-R M.1084-5 “Interim solutions for improved efficiency in the use of the band156-174 MHz by stations in the maritime mobile service.” | * Jerry Ulcek, USCG * Johnny Schultz, Sev1Tech * **Ross Norsworthy, REC Inc** | **Fact Sheet** |
| USWP5B31-**18**\_FS\_ rev\_1371-5 | PRELIMINARY DRAFT REVISION OF RECOMMENDATION ITU-R M.1371-5 Technical characteristics for an automatic identification system using time division multiple access in the VHF maritime mobile frequency band | * Jerry Ulcek, USCG * **Johnny Schultz, Sev1Tech** * Ross Norsworthy, REC Inc | **Fact Sheet**  Reference: [5B/731 +Ann. 4](https://www.itu.int/md/R19-WP5B-C-0731/en) |
| USWP5B31-**19**\_ FS\_rev\_493-15 | PRELIMINARY DRAFT REVISION OF RECOMMENDATION ITU-R M.493-15 Digital selective-calling system for use in the maritime mobile service | * Jerry Ulcek, USCG * **Johnny Schultz, Sev1Tech** * Ross Norsworthy, REC Inc | **Fact Sheet**  Reference: [5B/731 +Ann. 1](https://www.itu.int/md/R19-WP5B-C-0731/en) |
| USWP5B31-**20**\_ FS\_rev\_541-10 | PRELIMINARY DRAFT REVISION OF RECOMMENDATION ITU-R M.541-10 Operational procedures for the use of digital selective-calling equipment in the maritime mobile service | * Jerry Ulcek, USCG * **Johnny Schultz, Sev1Tech** * Ross Norsworthy, REC Inc | **Fact Sheet**  Reference: [5B/731 +Ann. 2](https://www.itu.int/md/R19-WP5B-C-0731/en) |
| USWP5B31-**21**\_ FS\_Proposed Liaison Statement CCV | Proposed draft liaison statement to the coordination committee for vocabulary (ccv) | * **Nicholas Shrout, ASRI** | **Fact Sheet**  \*request to go first on the agenda |

1. **Next Meeting of US WP 5B:** The next, US WP5B meeting is scheduled for Monday, 3/13/2023 at 1:00PM EDT. First Drafts are due Thursday, 3/9/23 by 12pm EDT.
2. **Other Business**