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| **U.S. ITU-R**  **Study Groups**  **Preparatory**  **Meetings** | **U.S. Working Party 5B**  **Preparatory Meeting #2 for July 2023**  **Monday, March 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)  Meeting ID: 262 896 770 695 Passcode: 2xBEnx  [Download Teams](https://www.microsoft.com/en-us/microsoft-teams/download-app) | [Join on the web](https://www.microsoft.com/microsoft-teams/join-a-meeting)  **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. Refer to the Agenda in Meeting #1, Item #3 for details
   2. Update: Meeting is expected to be held in Geneva, Switzerland (not announced yet)
   3. Reminder to update TIES password by March 31st



1. **Reference Documents for Information**
   1. Updated Prep Schedule b. SG5 Circular c. Format Guide for Authors

\*To be Announced (TBA)

 

\*Note Meeting #4

date/time change

1. **No Updates on the Correspondence Groups**
2. **Documents for Consideration:** Documents can be downloaded at <https://uspreps.ntia.gov/wp5b/preparatory-meeting-2-us-working-party-5b-itu-r-working-party-5b-meeting-july-2023>

| **Document #** | **Title** | **Authors** | **Notes** |
| --- | --- | --- | --- |
| **AI 1.1** | | | |
| USWP5B31-**11**\_FD\_ 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 | **First Draft**  Reference: [5B/731 +Ann. 07](https://www.itu.int/md/R19-WP5B-C-0731/en) |
| **AI 1.4** | | | |
| USWP5B31-**10**\_FD  \_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 | **First Draft** |
| **AI 1.6** | | | |
| USWP5B31-**01**\_FD  \_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 | **First Draft**  Reference: [5B/731 +Ann. 14](https://www.itu.int/md/R19-WP5B-C-0731/en) |
| **AI 1.7** | | | |
| USWP5B31-**02**\_FD  \_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** | **First Draft**  Reference: [5B/731 +Ann. 9](https://www.itu.int/md/R19-WP5B-C-0731/en) |
| **AI 1.8** | | | |
| USWP5B31-**08**\_FD\_UA PFD Res 155  Request to go first on agenda | 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** | **First Draft** |
| **AI 1.10** | | | |
| USWP5B31-**09**\_FD\_ 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** | **First Draft**  Reference: [5B/731 +Ann. 15 - Ann. 3](https://www.itu.int/md/R19-WP5B-C-0731/en) |
| USWP5B31-**13**\_FD\_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 | **First Draft** |
| USWP5B31-**22**\_FD\_ 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** | **First Draft**  Reference: [5B/731 +Ann. 15 - Ann. 9](https://www.itu.int/md/R19-WP5B-C-0731/en) |
| **Other Topics** | | | |
| USWP5B31-**04** \_FD\_ 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**\_ FD\_ 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**\_FD\_ THz Spec | Liaison Statement to WP 5A, WP 5C, WP 7C and WP 7D. | * **Michael Marcus, Marcus Spectrum Solutions** | **First Draft** |
| USWP5B31-**03** \_FD\_ 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** | **First Draft**  Reference: [5B/731 +Ann. 17](https://www.itu.int/md/R19-WP5B-C-0731/en) |
| USWP5B31-**07**\_FD\_  CNPC\_CHAR\_5GHz  Request to go first on agenda | 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 | **First Draft**  Reference: [5B/731 +Ann. 8](https://www.itu.int/md/R19-WP5B-C-0731/en) |
| USWP5B31-**14**\_FD\_ 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 | **First Draft**  Reference: [5B/731 +Ann. 13](https://www.itu.int/md/R19-WP5B-C-0731/en) |
| USWP5B31-**15**\_FD\_wd-HANDBOOK ON UAS DAA  Request to go first on agenda | 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 | **First Draft**  Reference: [5B/731 +Ann. 19](https://www.itu.int/md/R19-WP5B-C-0731/en) |
| USWP5B31-**12** \_FD\_ 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 | **First Draft**  Reference: [5B/731 +Ann. 5](https://www.itu.int/md/R19-WP5B-C-0731/en) |
| USWP5B31-**16**\_FD\_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** | **First Draft**  Reference: [5B/731 +Ann. 10](https://www.itu.int/md/R19-WP5B-C-0731/en) |
| USWP5B31-**17**\_FS\_ rev\_Rec M.1084-5  **Withdrawn** | 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**\_FD\_ 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 | **First Draft**  Reference: [5B/731 +Ann. 4](https://www.itu.int/md/R19-WP5B-C-0731/en) |
| USWP5B31-**19**\_ FS\_ rev\_493-15  **Withdrawn** | 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**\_ FD\_ 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 | **First Draft**  Reference: [5B/731 +Ann. 2](https://www.itu.int/md/R19-WP5B-C-0731/en) |
| USWP5B31-**21**\_ FD\_ Proposed Liaison Statement CCV | Proposed draft liaison statement to the coordination committee for vocabulary (ccv) | * **Nicholas Shrout, ASRI** | **First Draft** |

1. **Next Meeting of US WP 5B:** The next, US WP5B meeting is scheduled for Tuesday, 4/11/2023 at 1:00PM EDT. Final Drafts are due Friday, 4/7/23 by 12pm EDT.
2. **Other Business**