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| **U.S. ITU-R**  **Study Groups**  **Preparatory**  **Meetings** | **U.S. Working Party 5B**  **Preparatory Meeting #3 for July 2023**  **Monday, April 11, 2023**  **1:00PM – 3:00PM EST** |  |

**Microsoft Teams meeting**

[**Click here to join the meeting**](https://teams.microsoft.com/l/meetup-join/19%3ameeting_NThkNmI3ZjItOTkyOS00NGI3LThlNTktNTdjNjIyZDgxZjMw%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: 252 287 667 908  
Passcode: x73X4c

[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,,503159877#](tel:+12028860111,,503159877)

United States, Washington DC

**Phone Conference ID: 503 159 877#**

[Find a local number](https://dialin.teams.microsoft.com/2e8e819f-8605-44d3-a7b9-d176414fe81a?id=503159877) | [Reset PIN](https://dialin.teams.microsoft.com/usp/pstnconferencing)

**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 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. Meeting will be held in Geneva, Switzerland
   3. ITU-R Registration is a self-registration process & you must have an ITU account <https://www.itu.int/net4/ITU-R/events>
   4. Reminder: Send an email notification (only once) of intent to register “in-person” or “remote” before self-registering
   5. Current Delegation List will be circulated periodically via email & when you see your name on the list please register before the delegation list closes
   6. US WP5B Registration closes July 3, 2023. ITU-R registration opened today, April 11, 2023.
4. **Reference Documents for Information**
   1. Updated Prep Schedule b. SG5 Circular c. Format Guide for Authors

  

**\*Note Meeting #4**

**date/time change**

1. **New Updates on the Correspondence Groups**
2. Deadline for first comments & input to CG on Preliminary Draft New Report ITU-R M.[DIGITAL-VOICE] is April 30, 2023
3. Virtual meeting is being planned for May to early June (at latest)
4. Joining the mailing list & participation into the CG (identifying as a U.S. delegation)

<https://www.itu.int/net4/ITU-R/ml/-/Study%20Groups%21SG%205%21WP%205B>

1. Both the PDN Report and the Digital Voice Comments questionnaire are available on the ITU-R website (Chairman’s Report or 5B-3 Maritime folder) and have been uploaded to the US WP5B website for convenience
2. **Documents for National Committee Review Consideration:** Documents can be downloaded at <https://uspreps.ntia.gov/wp5b/preparatory-meeting-3-us-working-party-5b-itu-r-working-party-5b-meeting-july-2023>

| **Document #** | **Title** | **Authors** | **Notes** |
| --- | --- | --- | --- |
| **AI 1.6** | | | |
| USWP5B31-**01**\_Final  \_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 | **Final Draft**  Reference: [5B/731 +Ann. 14](https://www.itu.int/md/R19-WP5B-C-0731/en) |
| **AI 1.7** | | | |
| USWP5B31-**02**\_Final  \_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** | **Final Draft**  Reference: [5B/731 +Ann. 9](https://www.itu.int/md/R19-WP5B-C-0731/en) |
| **AI 1.8** | | | |
| USWP5B31-**08**\_Final\_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** | **Final Draft** |
| **AI 1.10** | | | |
| USWP5B31-**09**\_Final\_ 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** | **Final Draft**  Reference: [5B/731 +Ann. 15 - Ann. 3](https://www.itu.int/md/R19-WP5B-C-0731/en) |
| USWP5B31-**13**\_Final\_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 | **Final Draft** |
| USWP5B31-**22**\_Final\_ 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** | **Final Draft**  Reference: [5B/731 +Ann. 15 - Ann. 9](https://www.itu.int/md/R19-WP5B-C-0731/en) |
| **Other Topics: General** | | | |
| USWP5B31-**03** \_Final\_ 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** | **Final Draft**  Reference: [5B/731 +Ann. 17](https://www.itu.int/md/R19-WP5B-C-0731/en) |
| USWP5B31-**04** \_Final\_r1 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** | **Final Draft**  Reference: [5B/731 +Ann. 6](https://www.itu.int/md/R19-WP5B-C-0731/en) |
| USWP5B31-**05**\_ Final\_ 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** | **Final Draft** |
| USWP5B31-**06**\_Final\_ THz Spec  &  USWP5B31-**06**\_Final\_THz Spec **Attachment** - US WRC-2000 above 71 GHz proposals | Liaison Statement to WP 5A, WP 5C, WP 7C and WP 7D. | * **Michael Marcus, Marcus Spectrum Solutions** | **Final Draft & Attachment** |
| USWP5B31-**10**\_Final  \_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 | **Final Draft**  \*Not AI 1.4 specific |
| USWP5B31-**11**\_Final\_ 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 | **Final Draft**  Reference: [5B/731 +Ann. 07](https://www.itu.int/md/R19-WP5B-C-0731/en)  \*Not AI 1.1 specific |
| USWP5B31-**21**\_ Final\_r1 Proposed Liaison Statement CCV | Proposed draft liaison statement to the coordination committee for vocabulary (ccv) | * **Nic Shrout, ASRI** | **Final Draft** |
| **Other Topics: CNPC, Radiolocation & ARNS DAA Radars**  **(including update on 3/23/23 offline group discussion)** | | | |
| USWP5B31-**07**\_Final\_  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 | **Final Draft**  Reference: [5B/731 +Ann. 8](https://www.itu.int/md/R19-WP5B-C-0731/en) |
| USWP5B31-**12** \_Final\_ 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 | **Final Draft**  Reference: [5B/731 +Ann. 5](https://www.itu.int/md/R19-WP5B-C-0731/en) |
| USWP5B31-**14**\_Final\_ 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 | **Final Draft**  Reference: [5B/731 +Ann. 13](https://www.itu.int/md/R19-WP5B-C-0731/en) |
| USWP5B31-**15**\_Final\_ 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 | **Final Draft**  Reference: [5B/731 +Ann. 19](https://www.itu.int/md/R19-WP5B-C-0731/en) |
| **Other Topics: Maritime** | | | |
| USWP5B31-**16**\_Final\_ 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** | **Final 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  **Withdrawn** | 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**\_ Final\_ 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 | **Final Draft**  Reference: [5B/731 +Ann. 2](https://www.itu.int/md/R19-WP5B-C-0731/en) |

1. **Next Meeting of US WP 5B:** The next US WP5B meeting is scheduled for Wednesday, 5/17/2023 at 8:30AM EDT. This is a change from the original time to avoid conflict with ITU-R WP5A/5C meetings per request. Final Drafts are due Friday, 5/12/23 by 12pm EDT.

**Authors:** All documents should be ready to go to National Committee for review by this time. Be sure to check there are no spelling errors, any USA author edits display as USA author and not your name, etc.

1. **Other Business**