|  |  |
| --- | --- |
| U.S. Radiocommunications Sector  Fact Sheet | |
| **Working Party:** ITU-R WP-5B | **Document No:** USWP5B31-XX-FS |
| **Ref:** Annex 28 to Document 5B/731-E | **Date:** 9 February 2023 |
| **Document Title:** 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. | |
| **Author(s)/Contributors(s):**  Mohammed Rahman  Federal Aviation Administration  800 Independence Ave., S.W.  Washington, DC 20591  Don Nellis  Federal Aviation Administration  800 Independence Ave., S.W.  Washington, DC 20591  Taylor King  ACES Corporation for DON CIO | Phone: (202) 267-6573  e-mail: Mohammed.Rahman@faa.gov  Phone: (202) 267-9779  e-mail: Donald.Nellis@faa.gov  Phone: (443) 966-0550  e-mail: Taylor.King@aces-inc.com |
| **Purpose/Objective:** The purpose of this contribution is to continue to develop a new recommendation for aeronautical radionavigation systems, including unmanned aircraft systems (UAS) Detect and Avoid (DAA) radar systems, in the 15.4-15.7 GHz band. | |
| **Abstract:** This contribution will continue the process of developing a new recommendation containing characteristics of and protection criteria for systems that operate in the 15.4-15.7 GHz aeronautical radionavigation service allocation including UAS DAA systems and will address comments received from other administrations during the previous ITU-R WP-5B meeting. Due to the stability of the technical characteristics data for the airborne and ground based DAA system as well as the technical characteristics data for the landing system, this contribution proposes to upgrade the Working Document into Preliminary Draft New Recommendation. This contribution will be an update to the new report found in Annex 28 of the Chairman’s Report of the 21 December 2022 Document 5B/731-E hybrid meeting. | |