|  |  |
| --- | --- |
| U.S. Radiocommunications Sector  Fact Sheet | |
| **Working Party:** ITU-R WP-5B | **Document No:** USWP5B34-YY |
| **Ref:** Annex 26 to Document 5B/216-E | **Date:** 10 February 2025 |
| **Document Title:** **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 | |
| **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 | Phone: (202) 267-6573  e-mail: [Mohammed.Rahman@faa.gov](mailto:Mohammed.Rahman@faa.gov)  Phone: (202) 267-9779  e-mail: [Donald.Nellis@faa.gov](mailto:Donald.Nellis@faa.gov) |
| **Purpose/Objective:** The purpose of this contribution is to develop a new recommendation for radionavigation systems, including unmanned aircraft systems (UAS) Detect and Avoid (DAA) radar systems, in the 24.45-24.65 GHz band. This contribution will update and/or address comments on the technical parameters of DAA radars in Table 1 as applicable. Due to the stability of the technical characteristics data for the airborne and ground based DAA 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 26 of the Chairman’s Report of the 28 November 2025 Document 5B/216-E meeting. | |
| **Abstract:** This contribution is a new recommendation for UAS Detect and Avoid (DAA) systems that operate in the 24.45-24.65 GHz Radionavigation Service allocation. This contribution contains characteristics and protection criteria for DAA radar that can be used both on airborne and grounds based unmanned aircraft. | |