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| U.S. Radiocommunications Sector  Fact Sheet | |
| **Working Party:** ITU-R WP-5B | **Document No:** USWP5B33-13 |
| **Ref:** [5B/96 Annex 13](https://www.itu.int/dms_ties/itu-r/md/23/wp5b/c/R23-WP5B-C-0096!N13!MSW-E.docx) | **Date:** 15 August 2024 |
| **Document Title:** Update to the working document towards a preliminary draft new Report ITU-R M.[FOD\_EESS\_SHARE] | |
| **Author(s)/Contributors(s):** | **Contact** |
| Ryan McDonough GRC NASA | [ryan.s.mcdonough@nasa.gov](mailto:ryan.s.mcdonough@nasa.gov) |
| **Purpose/Objective:** To update the working document towards a draft new Report ITU-R M.[FOD\_EESS\_SHARE] document. This work will continue previous work on coexistence between Foreign Object Detection (FOD) systems operating in the 92-100 GHz band with EESS (passive) service in the 86-92 GHz and the EESS (active) service in the 94-94.1 GHz for radiofrequency interference. Summary of simulation results in section A1-2 will be finalized. | |
| **Abstract:** This study provides will provide analyses of possible radiofrequency interference between the Foreign Object Detection (FOD) system placed along runways in the 92-100 GHz band with EESS (passive) in the adjacent band and EESS (active) in the 94-94.1 GHz band. This document contains two dynamic analyses of potential in-band interference to a spaceborne cloud profile radar in EESS (active) and OOB interference to a spaceborne radiometer in EESS (passive) in the 86-92 GHz band from FOD detection systems in the Radiolocation Service to be included in the Report. | |

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| |  |  | | --- | --- | | **Radiocommunication Study Groups** |  | |  |  | |  |  | | Source: [5B/96 Annex 13](https://www.itu.int/dms_ties/itu-r/md/23/wp5b/c/R23-WP5B-C-0096!N13!MSW-E.docx)  Subject: Report ITU-R M.[FOD\_EESS\_SHARE] | **Document 3J/xx-E** | | **31 June 2024** | | **English only** | | United States of America | | |
| WORKING DOCUMENT TOWARDS A PRELIMINARY DRAFT  NEW REPORT ITU-R M.[FOD\_EESS\_SHARE] |
| Sharing and compatibility studies between foreign object debris detection system and other services in the frequency ranges 92-100 GHz |

**Summary:**

This study provides will provide analyses of possible radiofrequency interference between the Foreign Object Detection (FOD) system placed along runways in the 92-100 GHz band with EESS (passive) in the adjacent band and EESS (active) in the 94-94.1 GHz band. This document contains two dynamic analyses of potential in-band interference to a spaceborne cloud profile radar in EESS (active) and OOB interference to a spaceborne radiometer in EESS (passive) in the 86-92 GHz band from FOD detection systems in the Radiolocation Service to be included in the Report.

**Proposal:**

[TBD]

Attachments 1

ATTACHMENT 1

[TBD]