|  |  |
| --- | --- |
| **US Radiocommunications Sector**  **Fact Sheet** | |
| **Working Party:** ITU-R WP 5B | **Document No:** USWP5B29-XX |
| **Reference:** AI 1.10, M.1730 | **Date:** 03 May 2022 |
| **Document Title:** Working document towards a Preliminary Draft New Report “Compatibility analysis and results for radiolocation systems operating in the 15.4 to 17.3 GHz band and incumbent services as well as with the radio astronomy service operating in the adjacent band 15.35-15.40 GHz”. | |
| **Author(s)/Contributors(s):**  Andrew Meadows  Air Force  Dominic Nguyen  eSimplicity for AFSMO  Loulit Legesse Tefera  eSimplicity for AFSMO | Phone : 334-467-4720  E-mail : [andrew.meadows.1@us.af.mil](mailto:andrew.meadows.1@us.af.mil)  Phone : 703-606-7394  E-mail : [dominic.nguyen@esimplicity.com](mailto:dominic.nguyen@esimplicity.com)  Phone : 240-863-2334  E-mail : [loulit.tefera@esimplicity.com](https://esimplicitycom.sharepoint.com/tc/Shared%20Documents/AFSMO%20-%20DSAT/WRC-23/ITU-R%20Working%20Parties/WP5B/6th%20Meeting%20-%20July%202022/US%20Prep/AFSMO%20Contribution/2170/loulit.tefera@esimplicity.com) |
| **Purpose/Objective:** This contribution proposes a Working document towards a Preliminary Draft New Report “Compatibility analysis and results for radiolocation systems operating in the 15.4 to 17.3 GHz band and incumbent services as well as with the radio astronomy service operating in the adjacent band 15.35-15.40 GHz”. | |
| **Abstract:** ITU-R Report M.2170-0 contains the sharing studies between Radiolocation and incumbent services in the frequency bands between 15.4 and 17.3 GHz. This Recommendation was approved in 2009. During the November 2021 meeting, France raised concern on the new power of System 6. This contribution provides sharing studies between Radiolocation, which has a new power, and incumbent services in the frequency bands between 15.4 and 17.3 GHz. Furthermore, a sharing study is done for the updated Radiolocation system 6 and RAS in the 15.35 to 15.40 GHz range. | |
| **Fact Sheet preparer:** Dominic Nguyen and Loulit Legesse Tefera | |