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| U.S. Radiocommunications SectorFact Sheet |
| **Working Party:** ITU-R WP 5B | **Document No:** USWP5B30-xx |
| **Ref: WP-5B/649** Annex 17 | **Date:** August 10, 2022 |
| **Document Title:** WORKING DOCUMENT TOWARDS A PRELIMINARY DRAFT REVISION OF RECOMMENDATION ITU-R M.1851-1Mathematical models for radiodetermination radar and aeronautical mobile systems antenna patterns for use in interference analyses |
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| **Purpose/Objective:** Update the recommendation with several changes including a proposal to discuss accepting agreed editorial changes and a proposal to remove this note: “[Editor’s note: To update the following models to take into account non-uniform amplitude distribution over elementary elements]” in section 6.The USA should decide on whether to accept “and aeronautical mobile” in the document to move this contribution forward.  |
| **Abstract:** Editorial changes. Need to accept agreed editorials and decide on Aeronautical mobile and phased array antenna taper. |
| **Fact Sheet Preparer:** Raafat Nasser, ACES Inc. for US Army |

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| **Radiocommunication Study Groups** | Logo  Description automatically generated |
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| Source: Document Subject: Revision of Recommendation ITU-R [M.1851-1](https://www.itu.int/rec/R-REC-M.1851/en) | **Document 5B/xx** |
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| WORKING DOCUMENT 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

Introduction

At the last meeting of WP-5B there was insufficient time to fully discuss this recommendation due to other priorities. There is a need to continue the discussion and devote a little more time to this topic.

**Proposal**

The United States of America would like to continue the development of a working document with the view to minimize the editorial changes and to discuss the inclusion of “Aeronautical mobile” and if phased array antenna taper is to be included in section 6.

**Attachment: 1**

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