| **US Radiocommunication Sector** **FACT SHEET** |
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| **Study Group:** USWP 5B | **Document No:** USWP5B26-23 |
| **Reference:** [4C/116](https://www.itu.int/md/R19-WP4C-C-0116/en) | **Date:** 9 February 2021 |
| **Document Title:** Draft Reply Liaison to Working Party 4C concerning WRC-23 Agenda Item 1.18 |
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| **Purpose/Objective**: To reply to WP 4C with the antenna patterns and percentage of time value in propagation model relating to the required sharing and compatibility studies to be carried out under WRC-23 agenda item 1.18.  |
| **Abstract**: At the November 2020 meeting, WP 5B sent a reply liaison statement to WP 4C which informs regarding an update on Recommendation ITU-R M.1465. This contribution proposes a further reply from WP 5B to WP 4C on AI 1.18. |
| **Fact Sheet Preparer:** Dominic Nguyen |

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| **Radiocommunication Study Groups** |  |
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|  | **SPECTRUM ASPECTS** |

**United States of America**

REPLY LIAISON STATEMENT TO WORKING PARTY 4C

**1 Introduction**

The United States of America proposes a further reply liaison statement from WP 5B to WP 4C on AI 1.18.

Attachment revisions are presented for consideration.

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| Working Party 5B |
| REPLY LIAISON STATEMENT to working party 4C |
| WRC-23 agenda item 1.18 Characteristics of radiodetermination systems operating in the frequency bands 3 300-3 400 MHz |

Working Party (WP) 5B thanks WP 4C for the liaison statement ([5B/213](https://www.itu.int/md/R19-WP5B-C-0213/en)). In WP 5B’s previously provided liaison statement ([4C/116](https://www.itu.int/md/R19-WP4C-C-0116/en)), WP 5B provided updates on Recommendation ITU‑R M.1465, “Characteristics of and protection criteria for radars operating in the radiodetermination service in the frequency range 3 100-3 700 MHz.”

WP 5B would like to provide the following guidance on future complementary studies relative to sharing and compatibility between Mobile Satellite Service systems and radiolocation systems.

1. Recommendation ITU-R M.1851, “Mathematical models for radiodetermination radar systems antenna patterns for use in interference analyses” should be used as an antenna pattern reference for land-based and ship borne radars, as well as airborne radars.

WP 5B looks forward to continued collaboration with WP 4C on the progress of WRC-23 agenda item 1.18.

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| **Status:** For information and action as appropriate |
| **Contact:**  | **E-mail:**   |

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