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| **US Radiocommunication Sector****FACT SHEET** |
| **Working Party:** ITU-R WP 5B | **Document No:** USWP5B25-FD-15 |
| **Reference:** Document 5B/93 Annex 14 | **Date:** 16 September 2020 |
| **Document Title:**  draft REPLY liaison statement to working party 5D WRC-23 AGENDA ITEM 1.1 Characteristics of aeronautical systems and maritime systems operating in or adjacent to the frequency band 4 800-4 990 MHz |
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| **Purpose/Objective:** The purpose of this document is to propose a Liaison Statement to WP 5D regarding system characteristics for AI 1.1 |
| **Abstract:** In document 5B/17 WP 5D called for aeronautical mobile service and maritime mobile service characteristics to be used in studies for Agenda Item 1.1. During the previous WP 5B meeting, multiple draft liaison statements were drafted and discussed amongst the participants. The discussion could not reach consensus and no reply was sent. This contribution seeks to develop a reply to WP 5D based upon Annex 14 to the WP 5B Chairman’s Report.  |
| **Fact Sheet Preparer:** Taylor King |

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| **Radiocommunication Study Groups** |  |
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| **XX November 2020** |
| **English only** |
| **United States of America** |
| draft REPLY liaison statement to working party 5D WRC-23 AGENDA ITEM 1.1**Characteristics of aeronautical systems and maritime systems operating in or adjacent to the frequency band 4 800-4 990 MHz** |

**1 Proposal**

The United States proposes that *ITU-R* WP 5B consider the attached proposed draft liaison statement be sent to *ITU-R* WP 5D such that they can conduct studies called for under Agenda Item 1.1 in a timely manner.

**Attachments:** 1

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| ATTACHMENT**WP 5B**draft REPLY liaison statement to working party 5D WRC-23 AGENDA ITEM 1.1 |
| **Characteristics of aeronautical systems and maritime systems operating in or adjacent to the frequency band 4 800-4 990 MHz** |

Working Party (WP) 5B thanks WP 5D for the liaison statement (Document 5B/17) requesting information on characteristics and protection criteria for stations of the aeronautical and maritime mobile services located in international airspace and in international waters, operating in the frequency band 4 800-4 990 MHz.

WP 5B would like to bring to the attention to WP 5D that Recommendation ITU-R [M.2116-0](https://www.itu.int/rec/R-REC-M.2116-0-201801-I/en) and Report ITU-R [M.2119-0](https://www.itu.int/pub/R-REP-M.2119-2007) contain certain technical and operational characteristics as well as protection criteria for systems in the aeronautical mobile service in the frequency band 4 800- 4 990 MHz.

Without prejudging regulatory conditions in the band 4 800-4 990 MHz for AMS stations located in the international airspace, technical characteristics in the above mentioned documents may be used for sharing studies taking into account that frequency band 4 800-4 990 MHz that is a part of the tuning range 4 400-4 990 MHz for the AMS stations and is subject to RR No. **5.442**.

The current version of Recommendation ITU-R [M.2116-0](https://www.itu.int/rec/R-REC-M.2116-0-201801-I/en) only contains characteristics for aeronautical mobile service systems, however WP 5B is considering a possible update to Recommendation ITU-R M.2116-0 to include characteristics of additional existing systems for aeronautical mobile as well as maritime mobile systems operating under the same Mobile service allocation.

WP 5B will bring any additional information that becomes available to the attention of WP 5D. WP 5B looks forward to continued collaboration with WP 5D on the progress of WRC-23 agenda item 1.1.

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| **Status:** For action |
| **Deadline:** [Date] |
| **Contact:** [TBD] | **E-mail:** [TBD] |

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