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| **Radiocommunication Study Groups** |  |
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| Source: Documents 5B/TEMP/30rev.1-ESubject: WRC-23 agenda item 1.1 | **Annex 14 toDocument 5B/93-E** |
| **18 August 2020** |
| **English only** |
| Annex 14 to Working Party 5B Chairman’s Report |
| draft REPLY liaison statement to working party 5D WRC-23 AGENDA ITEM 1.1 |
| Characteristics of aeronautical 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).

Quote

Requests WP 5B to provide information on the afore mentioned 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 4 800-4 900 MHz.

Unquote

***Option 1:***

In this connection, WP 5B would like to bring to the attention to WP 5D that in this frequency band AMS system are not standardised by ICAO [however it is currently used by civil aviation]. ITU-R 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 [] characteristics as well as protection criteria for [non-ICAO]/[ITU-R] systems in the aeronautical mobile service in the frequency band 4 800- 4 990 MHz. [Above mentioned documents may not contain all information (e.g. deployment scenarios, spectrum requirements and frequency arrangements) necessary for sharing studies of AMS and MMS stations located in the international airspace / waters.]

Recommendation ITU-R [M.2116-0](https://www.itu.int/rec/R-REC-M.2116-0-201801-I/en) states that “AMS can be deployed anywhere within a country whose administration has authorized their use in accordance with regulations”. [Though/ However] the use of systems described in these Recommendation and Report in international airspace and waters has been confirmed by several administrations, [there is no AMS station registered in MIFR because it is not required to do so in accordance with RR No. **11.14**].

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**.

WP 5B is also considering a possible update to Recommendation ITU-R M.2116-0 to include characteristics of an additional existing system [and deployment scenarios, spectrum requirements and frequency arrangements necessary for sharing studies of AMS and MMS stations located in the international airspace / waters].

***Option 2:***

WP 5B is further considering the reply liaison statement to WP 5D under agenda item 1.1 (WRC‑23).

***End of options:***

WP 5B does not currently have any information regarding maritime mobile systems in the frequency range 4 800-4 990 MHz.

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.

WP 5B also plans to continue with a view to find a common ground of understanding by all concerned parties. WP 5B will bring results of these analyses when available.

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

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