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| U.S. Radiocommunications Sector  Fact Sheet | | |
| **Working Party:** ITU-R WP 5C | **Document No:** USWP5C-04-NC | |
| **Ref:** WRC-27 AI 1.19 | **Date:** April 02, 2024 | |
| **Document Title:** Proposed draft liaison statement to Working Party 7C | | |
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| **Purpose/Objective:** This contribution proposes a draft liaison statement to WP 7C regarding AI 1.19, which will allow WP 7C to proceed with its planning for sharing and compatibility studies. | | |
| **Abstract:** Pursuant to Resolution **674 (WRC-23)**, in preparation for Agenda Item 1.19 (**WRC-27**), this contribution proposes a draft reply liaison statement to WP 7C with relevant technical information of fixed systems operating in-bands or adjacent bands, as appropriate, to the frequency bands proposed under WRC-27 AI 1.19. | | |

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| **Radiocommunication Study Groups** |  |
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| **14 May 2024** |
| **English only** |
| United States of America | |
| proposed draft reply liaison statement to Working party 7c  **Relevant technical information for sharing studies under WRC-27 Agenda Item 1.19** | |
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**Introduction**

WRC-27 Agenda Item 1.19 considers possible primary allocations in all Regions to the Earth exploration-satellite service (passive) in the frequency bands 4 200-4 400 MHz and 8 400-8 500 MHz, in accordance with Resolution **674 (WRC-23)**. This contribution proposes a draft reply liaison statement to WP 7C with relevant technical information of fixed systems operating in-bands or adjacent bands, as appropriate, to the proposed frequency bands 4 200-4 400 MHz and 8 400-8 500 MHz.

Attachment: 1

ATTACHMENT

# Working Party 5C

PROPOSAL DRAFT REPLY LIAISON STATEMENT TO WORKING PARTY 7C

**Fixed service characteristics for use in sharing  
 studies under WRC-27 agenda item 1.19**

Working Party (WP) 5C thanks WP 7C for its liaison statement (Document 5C/21), requesting the characteristics and protection criteria of the fixed service (FS) systems operating in-band or adjacent bands, as appropriate, to the proposed frequency bands 4 200-4 400 MHz and 8 400-8 500 MHz, for sharing/compatibility studies between the FS and earth exploration-satellite service (EESS) (passive) under WRC-27 agenda item 1.19.

In response to a request from WP 7C for FS characteristics, WP 5C highlights the following ITU-R recommendations and that provide relevant technical information about FS systems, which may be further revised:

**Recommendation ITU-R F.758-7** *System parameters and considerations in the development of criteria for sharing or compatibility between digital fixed wireless systems in the fixed service and systems in other services and other sources of interference* (11/2019)

This recommendation contains the principles for the development of sharing criteria of digital systems in the FS. Representative technical characteristics of digital fixed wireless systems (FWS) operating in the 3700 – 4200 MHz, 4400 – 5000 MHz and 7725 – 8500 MHz frequency bands are in Annex 2 (Tables 7 and 8).

WP 5C is currently revising Recommendation ITU-R F.758. WP 5C will keep WP 7C informed on relevant updated information before the 31 December 2024 deadline.

**Recommendation ITU-R F.699-8** Reference radiation patterns for fixed wireless system antennas for use in coordination studies and interference assessment in the frequency range from 100 MHz to 86 GHz (01/2018)

This recommendation provides reference radiation patterns for, and information on, FWS antennas in the frequency range from 100 MHz to 86 GHz. This information may be used in single-entry analyses and interference assessments when information concerning the FWS antenna is not available.

WP 5C is currently revising Recommendation ITU-R F.699. WP 5C will keep WP 7C informed on relevant updated information before the 31 December 2024 deadline.

[Note: Placeholder for FS deployment information which should be developed in WP5C, possibly using F.2086.]

WP 5C requests to be kept informed on the progress of the studies under WRC-27 agenda item 1.19 and will provide WP 7C updated relevant information, before the 31 December 2024 deadline, for studies under this WRC-27 agenda item.

Status: For action.

Contact: TBD E-mail: TBD