|  |  |
| --- | --- |
| U.S. Radiocommunications Sector  Fact Sheet | |
| **Working Party:** ITU-R WP 4C | **Document No:** USWP4C-xx |
| **Ref:** N/A | **Date:** 23 Feb 2024 |
| Document Title: Draft Liaison Statement [AI 1.13 sharing and compatibility studies] | |
| **Author(s)/Contributors(s):**  Jameson Dempsey  SpaceX  Zahid Islam  SpaceX  Brett Tarnutzer  SpaceX  Pascale Dumit  T-Mobile | Email: [Jameson.Dempsey@spacex.com](mailto:Jameson.Dempsey@spacex.com)  Phone:  Email: [km.islam@spacex.com](mailto:km.islam@spacex.com)  Phone:  Email: [brett.tarnutzer@spacex.com](mailto:brett.tarnutzer@spacex.com)  Phone:  Email: [Pascale.Dumit@T-Mobile.com](mailto:Pascale.Dumit@T-Mobile.com)  Phone: |
| **Purpose/Objective:**  Draft liaison statements to the contributing groups for the technical and operational characteristics including propagation models, as appropriate, for the sharing and compatibility studies under WRC-27 Agenda item 1.13. | |
| **Abstract:** The proposed contribution contains proposed liaison statements to be sent to all contributing groups to WRC-27 Agenda Item 1.13. | |

|  |  |
| --- | --- |
| **Radiocommunication Study Groups** | A blue logo with a black background  Description automatically generated |
|  |  |
|  |  |
| Source: -  Subject: WRC-27 agenda item 1.13 | **Document 4A/TBD** |
| **TBD May 2024** |
| **English only** |
| United States of America | |
| Draft LIAISON STATEMENTS TO WORKING PARTies 3L, 3M, 4A, 4B, 5A, 5B, 5C, 5D, 6A, 7B, 7C   |  | | --- | |  |   **WRC-27 agenda item 1.13** | |

Attachment: 3

**Attachment 1**

Draft LIAISON STATEMENT TO WORKING PARTies 4A, 4B, 5A, 5B, 5C, 5D, 6A, 7B, 7C

**WRC-27 Agenda Item 1.13**

Agenda item 1.13 calls for studies on possible new allocations to the mobile-satellite service for direct connectivity between space stations and International Mobile Telecommunications (IMT) user equipment to complement terrestrial IMT network coverage.

To support the required sharing and compatibility studies to be carried out within WP 4C, the contributing Working Parties responsible for existing primary services to be protected, as identified by CPM27-1, are requested to provide their relevant information, including technical and operational characteristics and protection criteria for their respective services allocated in, or adjacent to, the frequency bands 694-2700 MHz.

WP 4C will keep all the contributing Working Parties informed of developments regarding this agenda item.

|  |  |
| --- | --- |
| **Status:** For action | |
| **Deadline:** Preferably by [] | |
| **Contacts:** [] | **E-mails:** [] |
|  |  |

**Attachment 2**

Draft LIAISON STATEMENT TO WORKING PARTies 3L, 3M

**WRC-27 Agenda Item 1.13**

Agenda item 1.13 calls for studies on possible new allocations to the mobile-satellite service for direct connectivity between space stations and International Mobile Telecommunications (IMT) user equipment to complement terrestrial IMT network coverage.

To support the required sharing and compatibility studies to be carried out within WP 4C, Working Parties 3L and 3M are requested to provide their relevant information about propagation characteristics and relevant Recommendations to be followed when performing sharing studies in the frequency range 694-2700 MHz.

WP 4C will keep all the contributing Working Parties informed of developments regarding this agenda item.

|  |  |
| --- | --- |
| **Status:** For action | |
| **Deadline:** Preferably by [] | |
| **Contacts:** [] | **E-mails:** [] |
|  |  |

**Attachment 3**

Draft REPLY LIAISON STATEMENT TO WORKING PARTY 5D

**WRC-27 Agenda Item 1.13**

The Working Party 5D meeting held in February 2024 approved a liaison statement to Working Party 4C seeking confirmation of WP 4C on the understanding in WP 5D that the planned MSS operations would conform to the directionality of the terrestrial frequency arrangements as defined in Recommendation ITU-R M.1036. Moreover, 5D would appreciate receiving the MSS system description and functionality, including frequency bands considered for Earth-space and space-Earth operation. This information would enable WP 5D to provide WP 4C information on the sharing scenarios necessary for assessing the impact to IMT terrestrial systems.

In response to this liaison statement from 5D, 4C is pleased to confirm that the planned MSS operations would conform to the directionality of the terrestrial frequency arrangements as defined in Recommendation ITU-R M.1036.

With respect to the MSS system description and characteristics, please find the relevant information below:

TBD based on the outcome of the US contribution to 4C

|  |  |
| --- | --- |
| **Status:** For action | |
| **Deadline:** Preferably by [] | |
| **Contacts:** [] | **E-mails:** [] |