**SFCG-43 ANNNEX 11.2**

**4-12 June, 2024**

**Bengaluru, India**

**SFCG-43**

**Liaison Statement to the**

**Consultative Committee on Space Data Systems on**

**Recommendation SFCG 42-1 (****frequency channel plan for in-situ lunar data relay satellites)**

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The Space Frequency Coordination Group (SFCG) thanks the Consultative Committee on Space Data Systems (CCSDS) for its feedback on Provisional Recommendation SFCG 42-1. This SFCG Recommendation was developed to provide a frequency channel plan for in-situ lunar data relay satellites, which is needed to ensure interoperability and avoid unwanted interference between lunar relay services and other lunar spectrum users.

The SFCG informs the CCSDS that the Provisional Recommendation SFCG 42-1 has recently been finally approved with some updates at the SFCG-43 meeting from June 4 - 12, 2024, in Bengaluru, India. The adopted Recommendation SFCG 42-1 (see Attachment) provides an additional 5 MHz for users of the Proximity-1 relay service in the 2 GHz band, for a total available bandwidth of 10 MHz. The Proximity-1 bandwidth in the 2 GHz band is now divided into two hailing channels and eight working channels. In addition, the Recommendation provides a frequency range for lunar in-situ relay services in the 23 GHz and 27 GHz bands.

The SFCG invites the CCSDS to take into consideration the provisions of Recommendation SFCG 42-1R1 in developing any updates to the CCSDS Proximity-1 protocol, and welcomes any further comments from CCSDS on the revised Recommendation.

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| **Status:** For Action |  |
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Attachment: [Recommendation SFCG 42-1](https://www.sfcgonline.org/Recommendations/REC%20SFCG%2042-1%20%28Frequency%20plan%20for%20Lunar%20Relays%29.pdf) (frequency channel plan for in-situ lunar data relay satellites).