

Request for Special Temporary Authority

Myriota Pty. Ltd. (“Myriota”), pursuant to Section 25.120¹ of the Commission’s rules, hereby respectfully requests special temporary authority (“STA”) to operate its customer earth stations consistent with the parameters articulated in its underlying Myriota earth station application (“MES Application”).² Myriota seeks temporary authority to allow the earth stations to communicate with the space stations³ identified in the MES Application in order to begin integration and testing operations for its customer earth stations prior to commercial service. Myriota seeks authority to operate these earth stations from April 10, 2023 to May 10, 2023.

Grant of this application is in the public interest as it will enable Myriota’s customers to integrate and test Myriota’s earth stations prior to the initiation of commercial service. This will facilitate the quick and timely delivery of service once the MES Application is granted.

A. Point of Communication

The earth stations operating under this STA will communicate with the points of communication articulated in the MES Application in the 399.9-400.05 MHz (Earth-to-space) and 400.15-401 MHz (space-to-Earth) bands (collectively, “UHF”).

B. Earth Station Technical Parameters

The following documents containing technical details of the earth station operations proposed under the requested STA are included in the MES Application, which is incorporated by reference:

- *FCC Form 312, Schedule B.* Myriota will operate its earth stations in accordance with the technical specifications detailed in the Myriota Earth Station License Application, which incorporated the Form 312, Schedule B from the Myriota earth station application filed in 2020.⁴
- *Commitment to complete U.S. Government Coordination.* Myriota affirms that its proposed operations are consistent with the terms of its prior coordination with the U.S. Government.⁵

¹ 47 C.F.R. § 25.120(b)(3).

² See Myriota Pty. Limited, Call Sign: E202161, File Number: SES-AFS-20230301-00224.

³ See MES Application, narrative at 2-3. The Myriota System in the MES Application consists of two satellites, NORAD IDs: 55037 and 55014. The MES Application also seeks to talk to four satellites under Call Sign S3045, NORAD ID 52732; NORAD ID 52736; NORAD ID 55013; and NORAD ID 55038.

⁴ See Myriota Pty, Ltd. File No. SES-LIC-20200922-01030; Call Sign: E202161 (“2020 Application”).

⁵ See Letter from Carlos Nalda for Myriota Pty. Ltd., to Marlene H. Dortch, Secretary, FCC (Filed June 29, 2021).

- *Radiation Hazard Study.* Myriota incorporates the radiation hazard analysis for the MES Application and affirms that all follow procedures to mitigate potential radiation hazards to personnel in controlled and uncontrolled environments.⁶

C. Space Station Technical Parameters

The following documents containing technical details of the space station operations proposed under the requested STA are included in the MES Application, which is incorporated by reference:

- *Schedule S and Spectrum Use.* Myriota hereby incorporates by reference the Schedule S accompanying its MES Application⁷ as well as the applicable technical demonstrations from the Modification and the Original UHF Application as they pertain to the characteristics of the Myriota Service's spectrum use.⁸
- *Myriota Radio Management.* Myriota hereby incorporates by reference its demonstration of how it controls the transmissions from its on-orbit radios from the MES Application.⁹
- *Orbital Debris Mitigation.* Myriota hereby incorporates by reference its orbital debris mitigation plan as detailed in its MES application.¹⁰

⁶ See 2020 Application at Rad Hazard Report.

⁷ See MES, Schedule S.

⁸ See Myriota Pty. Ltd., *Petition to Modify U.S. Market Access Authority of the Myriota Non-Voice, Non-Geostationary ("NVNG") Satellite System Operating in the 399.9-400.05 MHz and 400.15- 401 MHz Bands*, File Number: SAT-MOD-20211214-00191, Technical Description, Schedule S Tech Report. See also Myriota Pty. Ltd., Call Sign S3047, File Number: SAT-PDR-20190328-00020, *Petition for Declaratory Ruling Granting Access to the U.S. Market for Non-Voice, Non-Geostationary Satellite System*, Technical Description, Schedule S Tech Report.

⁹ See MES Application, Technical Description at 10.

¹⁰ See MES Application, Technical Description at 12.