

## **Request for Special Temporary Authority for E160032**

Spire Global, Inc. (“Spire”) hereby requests special temporary authority (“STA”) for sixty (60) days<sup>1</sup> beginning immediately, to operate its earth station E160032, consistent with the technical parameters specified in the associated, pending modification application filed by Spire on January 18, 2021 (SES-MOD-20210118-00061).<sup>2</sup>

Spire has lost its lease for the previous earth station location and must relocate the facilities to 161 Armstrong Dr., Freeport, PA 16229 (Latitude - 40° 45' 08" N Longitude - 79° 38' 14" W) . As Spire needs this station to continue operations and communications with its satellites after the relocation and prior to the grant of the modification application, Spire now requests this interim 60-day STA. All technical information for E160032 can be found in SES-MOD-20210118-00061.

Accordingly, an STA is necessary for Spire to continue operate E160032 with its non-geostationary orbit (NGSO) satellites<sup>3</sup> from 161 Armstrong Dr., Freeport, PA 16229 (i) 402-403 MHz (Earth-to-space and space-to-Earth) frequency band to transmit command signals and receive telemetry and tracking signals utilizing M2 Antenna Systems 401CP14 and (ii) in the 2020-2025 MHz (space-to-Earth) frequency band to receive digital data utilizing a M2 Antenna Systems 401CP14. The points of communication shall be Spire’s MINAS and LEMUR-2 constellations.

The International Bureau (“Bureau”) has previously found that the grant of STAs permitting earth stations to communicate with satellites pending the processing of permanent applications services the public interest, convenience, and necessity by allowing for the deployment of new and additional satellite services in a timely manner.<sup>4</sup> Approving the STA request will allow Spire to continue operations necessary to meet multiple deadlines.

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<sup>1</sup> See 47 C.F.R. § 25.120(b)(3).

<sup>2</sup> To the extent necessary, Spire incorporates by reference the waivers requested in the associated earth station application for regular authority.

<sup>3</sup> Spire understands that its authorized operations will be on an unprotected, non-harmful interference basis.

<sup>4</sup> See, e.g., Stamp Grant, Spire Global, Inc., IBFS File No. SES-STA-201660324-00292 to 00294 (granted Apr. 19, 2016); Stamp Grant, DG Consents Sub, Inc., IBFS File No. SES-STA-20140717-00605 (granted Aug. 12, 2014); Stamp Grant, EchoStar Broadcasting Corporation, IBFS File No. SES-STA-20130108-00019 (granted Jan. 10, 2013).