

Request for Special Temporary Authority

Spire Global, Inc. (“Spire”) hereby requests special temporary authority (“STA”) for sixty (60) days¹, beginning September 28, 2020, to operate its WBUGS earth station, consistent with the technical parameters specified in the associated, pending modification application SES-MOD-20200828-00938²

Spire filed an application (SES-MOD-20200828-00938) to change the address of its WBUGS earth station on August 28, 2020 from 1825 33rd Street, Boulder, CO 80301 to 1690 38th Street, Boulder, CO 80301; however, the application cannot be processed and granted prior to the change of address date September 28, 2020. Spire has lost its lease for the previous earth station location and must relocate the facilities. As Spire needs this WBUGS 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 WBUGS can be found in SES-MOD-20200828-00938.

Accordingly, an STA is necessary for Spire to continue to operate its WBUGS earth station in Boulder, CO with its non-geostationary orbit (NGSO) satellites³ in: 1) 402-403 MHz (Earth-to-space and space-to-Earth) frequency band to transmit command signals and receive telemetry and tracking signals; 2) in the 2020-2025 MHz (space-to-Earth) frequency band to receive digital data. 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 serves the public interest, convenience, and necessity by allowing for the deployment of new and additional satellite services in a timely manner.⁴ Approving the instant STA request will allow Spire to continue operations necessary to meet multiple deadlines. For these same reasons, Spire requests that the Bureau expeditiously grant this STA.

¹ See 47 C.F.R. § 25.120(b)(3).

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

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

⁴ See, e.g., Stamp Grant, Spire Global, Inc., IBFS File No. SES-STA-20190614-00776 (granted July 9, 2019); 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).