



July 20, 2022

Ms. Marlene H. Dortch  
Secretary  
Federal Communications Commission  
45 L Street NE  
Washington, DC 20554

**Re: Request for 180-day Grant of Special Temporary Authority**  
Castle Rock, Colorado Earth Station KL92

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests 180 days of Special Temporary Authority ("STA"),<sup>1</sup> commencing September 6, 2022, to use its Castle Rock, Colorado Ku-band earth station, Call Sign KL92, to provide launch and early orbit phase ("LEOP") services for the Konnect satellite.<sup>2</sup> Konnect is expected to launch on September 6, 2022.<sup>3</sup> Intelsat expects the LEOP period to last approximately 180 days.

The Konnect operations will be performed at the following frequencies: 14000.00 MHz and 14499.80 MHz in the uplink; and 11701.60 MHz and 11704.00 MHz in the downlink.

The LEOP operations will be coordinated with all operators of satellites that use the same frequency bands and are in the LEOP path.<sup>4</sup> All operators of satellites in that path will be provided with an emergency phone number where the licensee can be reached in the event that harmful interference occurs. In the extremely unlikely event that harmful interference should occur due to transmissions to or from its earth station, Intelsat will take all reasonable steps to eliminate the interference.

The 24x7 contact information for the Konnect mission is as follows:

Ph.: (703) 559-7701 – East Coast Operations Center (primary)  
(310) 525-5591 – West Coast Operations Center (back-up)

Request to speak with Kevin Bell or Glen Jones.

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<sup>1</sup> Intelsat has filed its STA request, FCC Form 159, a \$210.00 filing fee, and this supporting letter electronically via the International Bureau's Filing System.

<sup>2</sup> In support of this request, additional antenna and satellite information is provided in Exhibit A, and a waiver request is attached as Exhibit B.

<sup>3</sup> Intelsat understands that Konnect is licensed by France.

<sup>4</sup> Thales Alenia Space ("Thales"), the manager of the Konnect mission, will handle the coordination.

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Finally, Intelsat clarifies that during the Konnect LEOP mission, Thales will serve as the mission manager. Thales will build and send the commands to the Intelsat antenna, which will process and execute the commands. Telemetry received by Intelsat will be forwarded to Thales. Intelsat will perform the ranging sessions by sending a tone to the spacecraft periodically. Intelsat will remain in control of the baseband unit, RF equipment, and antenna.

Grant of this STA request will allow Intelsat to help launch the Konnect satellite. This will help provide services at the 2.7° E.L. location and thereby promotes the public interest.

Please direct any questions regarding this STA request to the undersigned at (703) 559-7799.

Respectfully submitted,

/s/ W. Ray Rutngamlug

W. Ray Rutngamlug  
Associate General Counsel  
Intelsat US LLC

cc: Kerry Murray

## EXHIBIT A

### Antenna

|                                  |                               |
|----------------------------------|-------------------------------|
| Antenna size                     | 12.5m                         |
| Transmit Frequencies             | 14000.00 MHz and 14499.80 MHz |
| Receive Frequencies              | 11701.60 MHz and 11704.00 MHz |
| Emission Designator              | 200KG2D                       |
| Polarization                     | Circular                      |
| Bandwidth                        | 200 kHz                       |
| Transmit Gain                    | 63.7 dBi @ 13.750 GHz         |
| Maximum EIRP per Carrier         | 80 dBW                        |
| Maximum EIRP Density per Carrier | 63.0 dBW/4 kHz                |
| Site Location                    | Castle Rock, CO               |
| Latitude (NAD83)                 | 39° 16' 35.215" N             |
| Longitude (NAD83)                | 104° 48' 22.867" W            |

### Point(s) of Communication

|                  |               |
|------------------|---------------|
| Satellite        | Konnect       |
| Call Sign        | none          |
| Satellite Type   | Geostationary |
| Orbital Location | 2.7° E.L.     |