

July 18, 2022

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

**Re: Request for Extension of Special Temporary Authority**  
Ellenwood, Georgia Earth Station E010112

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests an additional 30 days of Special Temporary Authority ("STA")<sup>1</sup> previously granted to Intelsat<sup>2</sup> to use its Ellenwood, Georgia Ku-band earth station, Call Sign E010112, to provide telemetry, tracking, and command ("TT&C") services for the HYLAS-1<sup>3</sup> satellite on-station at 79.0° W.L. HYLAS-1 arrived on-station on July 13, 2022. Intelsat expects to provide on-station TT&C for an additional three months.

The HYLAS-1 TT&C operations are being performed in the following frequencies:

- 17302.048 MHz and 17305.051 MHz in the uplink; and
- 11701.008 MHz and 11702.808 MHz in the downlink.<sup>4</sup>

All operators potentially affected by this request have been 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 HYLAS-1 drift operations 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.

<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> See *Satellite Communications Services Information; Actions Taken*, Report No. SES-02478, File No. SES-STA-20220519-00580 (June 29, 2022) (Public Notice.)

<sup>3</sup> HYLAS-1 is licensed by the United Kingdom.

<sup>4</sup> In support of this request, additional antenna and satellite information is provided in Exhibit A.

In further support of this request, Intelsat incorporates by reference Exhibits B and C of its original request,<sup>5</sup> which contain waiver requests.

Grant of this STA extension request will allow Intelsat to help the operator of HYLAS-1 safely station-keep the satellite. This, in turn, will help ensure safe space operations and thereby promotes the public interest.

For the reasons set forth herein, Intelsat respectfully requests that the Federal Communications Commission grant this STA extension request. 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

---

<sup>5</sup> See *supra*, n. 2.

## EXHIBIT A

### Antenna

|                                  |                                                    |
|----------------------------------|----------------------------------------------------|
| Antenna size                     | 11.3 m                                             |
| Transmit Frequencies             | 17302.048 MHz (H, LHCP)<br>17305.051 MHz (H, RHCP) |
| Receive Frequencies              | 11701.008 MHz (V, LHCP)<br>11702.808 MHz (V, RHCP) |
| Emission Designators             | 1M00F2D                                            |
| Polarization                     | Linear and Circular                                |
| Bandwidth                        | 1 MHz                                              |
| Transmit Gain                    | 64.1 dBi @ 18.0 GHz                                |
| Maximum EIRP per Carrier         | 85 dBW/MHz                                         |
| Maximum EIRP Density per Carrier | 61 dBW/4 kHz                                       |
| Location (NAD83)                 | 84° 16' 19.0" W                                    |
|                                  | 33° 39' 53" N                                      |

### Point(s) of Communication

|                  |               |
|------------------|---------------|
| Satellite        | HYLAS-1       |
| Call Sign        | U.K. licensed |
| Satellite Type   | Geostationary |
| Orbital Location | 79.0° W       |