March 28, 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")[1] to use its Ellenwood, Georgia Ku-band earth station, Call Sign E010112,[2] to provide telemetry, tracking, and command ("TT&C") services for HYLAS-1 on-station at 123.1° W.L. HYLAS-1 arrived on-station on March 23, 2022. Intelsat will provide on-station TT&C for an additional three months.

The HYLAS-1 TT&C operations will continue 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.[3]

All potentially affected operators 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.

[1] 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.

[2] *See Satellite Communications Services Information; Actions Taken*, Report No. SES-02446, File No. SES-STA-20220202-00139 (Mar. 2, 2022) (Public Notice). This STA requested authority to drift from 80.8° W.L. to 123.1° W.L.

[3] Per International Bureau staff request, additional antenna and satellite information is provided in Exhibit C.

In further support of this request, Intelsat incorporates by reference Exhibits A and B of its original request,[4] which contain waiver requests. 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.

Grant of this STA extension request will allow Intelsat to help the operator of HYLAS-1 safely drift and 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 request to the undersigned at (703) 559-6949.

Respectfully submitted,

/s/ Cynthia J. Grady
Cynthia J. Grady
Assistant General Counsel, Intelsat US LLC
on behalf of Intelsat License LLC

cc: Kerry Murray

[4] *See supra*, n. 2.

EXHIBIT C

Antenna

Antenna size	11.3 m
Transmit Frequencies	17302.048 MHz (H, LHCP) 17305.051 MHz (H, RHCP
Receive Frequencies	11701.008 MHz (V, LHCP) 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	123.1° W