

May 19, 2022

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

Re: Request for Special Temporary Authority
Castle Rock, Colorado Earth Station E990323

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests 30 days of Special Temporary Authority ("STA"),¹ commencing June 23, 2022, to use its Castle Rock, Colorado Ku-band earth station, Call Sign E990323, to provide telemetry, tracking, and command ("TT&C") services for HYLAS-1² during the satellite's drift from 123.1° W.L. to 79.0° W.L., and on-station at, 79.0° W.L. Intelsat expects the drift to take approximately 20 days and will provide on-station TT&C for an additional three months.

The HYLAS-1 TT&C operations will be 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.³

All potentially affected operators 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 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 HYLAS-1 is licensed by the United Kingdom.

³ In support of this request, additional antenna and satellite information is provided in Exhibit A.

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In further support of this request, Intelsat herewith attaches Exhibits B and C, 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 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 request. Please direct any questions regarding this STA request to the undersigned at (703) 559-6949.

Respectfully submitted,

/s/ Cynthia J. Grady

Cynthia J. Grady
Assistant General Counsel
Intelsat US LLC

cc: Kerry Murray

EXHIBIT A

Antenna

Antenna size	8.1 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	61.0 dBi @ 17.5 GHz
Maximum EIRP per Carrier	88 dBW/MHz
Maximum EIRP Density per Carrier	64 dBW/4 kHz
Location (NAD83)	104° 48' 23.9" W
	39° 16' 35.0" N

Point(s) of Communication

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