



July 14, 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 E980503

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests 30 days of Special Temporary Authority ("STA"),¹ commencing August 10, 2022, to use its Castle Rock, Colorado earth station, Call Sign E980503, to provide telemetry, tracking, and command ("TT&C") services for Horizons 2 (Call Sign S2423)² during the satellite's drift to, and on-station at, 73.8° W.L.³ Horizons 2 is currently drifting to 73.8° W.L.⁴ Intelsat expects Horizons 2 to be within view of its earth station beginning August 10, 2022, and for the drift to be complete by mid-August 2022.

The proposed TT&C operations will be performed in the following frequencies: 14000.5 MHz and 14499.5 MHz in the uplink; and 12196.0 MHz and 12198.625 MHz in the downlink.

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 Horizons 2 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 Policy Branch Information; Actions Taken*, Report No. SAT-01485, File No. SAT-MOD-20200114-00009 (July 31, 2020) (Public Notice).

³ Additional antenna and satellite information are provided in Exhibit A.

⁴ Horizons 2 began drifting on July 6, 2022. See Letter from W. Ray Rutngamlug, Associate General Counsel, Intelsat US LLC, to Marlene H. Dortch, Secretary, Federal Communications Commission, File No. SAT-STA-20220203-00013 (July 1, 2022).

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Grant of this STA request will allow Intelsat to safely drift Horizons 2 and to provide customer capacity at the 73.8° W.L. location. This STA request 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 (m)	8.1
Transmit Frequencies (MHz)	14000.5 14499.5
Receive Frequencies (MHz)	12196.0 12198.625
Emission Designator	1M00F2D
Polarization	Linear
Bandwidth	1 MHz
Transmit Gain	59.7 dBi at 14.250 GHz
Maximum EIRP per Carrier	75 dBW
Maximum EIRP Density per Carrier	51 dBW/4 KHz
Site Location	Castle Rock, CO
Latitude (NAD83)	39° 16' 35.0" N
Longitude (NAD83)	104° 48' 22.0" W

Point(s) of Communication

Satellite	Horizons 2
Call Sign	S2423
Satellite Type	Geostationary
Orbital Location	to 73.8° W.L.