

July 24, 2018

Ms. Marlene H. Dortch
Secretary
Federal Communications Commission
445 12th Street, SW
Washington, DC 20554

Re: Request for Special Temporary Authority
Hagerstown, Maryland Earth Station E000296

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests a grant of Special Temporary Authority (“STA”)¹ for 30 days, commencing August 17, 2018, to use its Hagerstown, Maryland C-band earth station—call sign E000296—to provide launch and early orbit phase (“LEOP”) services for the Telstar 18V satellite.² Telstar 18V is expected to launch on August 17, 2018.³ Intelsat expects the LEOP period to last approximately 10 days.

The Telstar 18V LEOP operations will be performed at the following frequencies: 6423.00 MHz, 6425.00 MHz, 6647.0 MHz, and 6649.0 MHz (RHCP) in the uplink, and 3623.00 MHz (LHCP), 3625.00 MHz (LHCP), and 4199.00 MHz (Linear) 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.⁴ 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.

The 24x7 contact information for the Telstar 18V LEOP 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 Harry Burnham or Kevin Bell.

In further support of this request, Intelsat herewith attaches Exhibits A and B, which contain a coordination report and waiver requests. In the extremely unlikely event that harmful interference

¹ Intelsat has filed its STA request, FCC Form 159, a \$200.00 filing fee, and this supporting letter electronically via the International Bureau’s Filing System (“IBFS”).

² This LEOP mission will also be supported by the following antennas: E040125, KA275, and E4132.

³ The permanent orbital location for Telstar 18V, which Intelsat understands is licensed by Tonga, will be at 138.0° E.L. The in-orbit testing location will be 136.5° E.L.

⁴ SSL, the manager of the Telstar 18V LEOP mission, will handle the coordination.

Ms. Marlene H. Dortch
July 24, 2018
Page 2

should occur due to transmissions to or from its earth station, Intelsat will take all reasonable steps to eliminate the interference.

Finally, Intelsat clarifies that during the Telstar 18V launch, SSL will control the spacecraft. SSL 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 SSL. 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 Telstar 18V satellite. This, in turn, will help provide services to China, Mongolia, Southeast Asia, and the Pacific Ocean region from the 138.0° E.L. orbital location and thereby promotes the public interest.

Please direct any questions regarding this STA request to the undersigned at (703) 559-7848.

Respectfully submitted,

/s/ Cynthia J. Grady

Cynthia J. Grady
Regulatory Counsel
Intelsat US LLC

cc: Paul Blais