

September 26, 2017

Ms. Marlene H. Dortch
Secretary
Federal Communications Commission
445 12th Street, S.W.
Washington, D.C. 20554

Re: Request for Extension of Special Temporary Authority
Hagerstown, Maryland Earth Station KA258

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests an additional 30 days of Special Temporary Authority (“STA”)¹ previously granted Intelsat to use its Hagerstown, Maryland Ku-band earth station—call sign KA258—to provide launch and early orbit phase (“LEOP”) services for the BSAT-4A satellite.² BSAT-4A is now expected to be launched on September 29, 2017.³ Intelsat expects the LEOP period to last approximately 30 days.

The BSAT-4A LEOP operations will be performed at the following frequencies: 17303.6 MHz and 17300.8 MHz (LHCP) in the uplink; and 11702.9 MHz and 11704.3 MHz (LHCP) 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 BSAT-4A 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 STA extension request, Intelsat incorporates by reference two waiver requests, Exhibits A and B, submitted with its original STA request.

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

² See *Satellite Communications Services Information; Actions Taken*, Report No. SES-01981, File No. SES-STA-20170803-00857 (Aug. 9, 2017) (Public Notice).

³ The in-orbit testing location for BSAT-4A, which Intelsat understands is licensed by Japan, will be at 104° E.L. The final location of BSAT-4A will be at 110° E.L.

⁴ SSL, the manager of the BSAT-4A LEOP mission, will handle the coordination.

Ms. Marlene H. Dortch
September 26, 2017
Page 2

Finally, Intelsat clarifies that during the BSAT-4A LEOP mission, SSL will serve as the mission manager. 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 perform the ranging sessions by sending a tone to the spacecraft periodically. Intelsat will remain in control of the baseband unit, RF equipment, and antenna.

Grant of this STA extension request will allow Intelsat to help launch the BSAT-4A satellite. This, in turn, will help provide additional capacity from the 110° E.L. orbital location and thereby promotes the public interest.

Please direct any questions regarding this STA extension request to the undersigned at (703) 559-6949.

Respectfully submitted,

A handwritten signature in blue ink, reading "Cynthia J. Grady". The signature is fluid and cursive, with the first name being the most prominent.

Cynthia J. Grady
Regulatory Counsel
Intelsat Corporation

cc: Paul Blais