

April 11, 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
9.2m Ka-band Antenna, Riverside, California

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests an additional 30 days of Special Temporary Authority (“STA”)¹ previously granted Intelsat to utilize a 9.2m Ka-band antenna located at its Riverside, California teleport to provide launch and early orbit phase (“LEOP”) services for the SGDC-1 satellite.² As a result of a launch delay, SGDC-1 is now scheduled to be launched no earlier than April 14, 2017.³ The LEOP period is expected to last approximately 10 days.⁴

The SGDC-1 LEOP operations will be performed in the following frequency bands: 29220.0 MHz (RHCP) and 29240.0 MHz (LHCP) in the uplink, and 19160.0 MHz and 19163.0 MHz in the downlink (RHCP). The LEOP operations will be coordinated with all operators of satellites that use the same frequency bands and are in the LEOP path.⁵ 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 SGDC-1 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.

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-01941, File No. SES-STA-20170308-00249 (Mar. 22, 2017) (Public Notice).

³ The permanent orbital location for SGDC-1, which Intelsat understands is licensed by Brazil, will be 74.85° W.L. The in-orbit testing location will be 74.35° W.L.

⁴ Intelsat is seeking authority for an additional 30 days to accommodate further launch delays.

⁵ Thales Alenia Space (“Thales”), the manager of the SGDC LEOP mission, will handle the coordination.

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In further support of this request, Intelsat incorporates by reference Exhibits A-C submitted with its original STA request, which contain technical information that demonstrates that the operation of the earth station will be compatible with its electromagnetic environment and will not cause harmful interference into any lawfully operating terrestrial facility, as well as a waiver requests.

Finally, Intelsat clarifies that during the SGDC-1 LEOP mission, Thales will serve as the mission manager. Thales 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 Thales. 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 SGDC-1 satellite. This, in turn, will help provide additional capacity at the 74.85° W.L. orbital location and thereby promotes the public interest.

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

Respectfully submitted,

A handwritten signature in blue ink that reads "Cynthia J. Grady". The signature is fluid and cursive, with a long, sweeping tail on the "y".

Cynthia J. Grady
Regulatory Counsel
Intelsat Corporation

cc: Paul Blais