January 13, 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
Riverside, California Earth Station E040125

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 Riverside, California C-band earth station—call sign E040125—to provide launch and early orbit phase ("LEOP") services for the StarOne-D1 satellite, and back-up telemetry, tracking, and command ("TT&C") services during the Ka-band in-orbit testing ("IOT") period for the StarOne-D1 satellite.[2] StarOne-D1 was launched on December 21, 2016.[3] The LEOP and Ka-band IOT periods are expected to last approximately fifteen and eight days, respectively.[4]

The StarOne-D1 LEOP operations will continue to be performed at the following frequencies: 6424.5 MHz and 6422.5 MHz in the uplink (RHCP or Vertical), and 4198.5 MHz and 4199.0 MHz in the downlink (LHCP or Horizontal). The LEOP operations will continue to 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 StarOne-D1 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.

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[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-01914, File No. SES-STA-20161207-00935 (Dec. 21, 2016) (Public Notice).

[3] The in-orbit testing location and permanent orbital location for StarOne-D1, which Intelsat understands is licensed by Brazil, will be at 84.0° W.L.

[4] Intelsat is seeking authority for an additional 30 days to accommodate the IOT schedule.

[5] SSL, the manager of the StarOne-D1 mission, will handle the coordination.

In further support of this extension request, Intelsat incorporates by reference Exhibits A and B, 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 request. 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.

Finally, Intelsat clarifies that during the StarOne-D1 launch, SSL will continue to 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 remain in control of the baseband unit, RF equipment, and antenna.

Grant of this STA extension request will allow Intelsat to help launch and test the StarOne-D1 satellite. This, in turn, will help provide services in South America from the 84.0° 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,

Cynthia J. Grady

Cynthia J. Grady
Regulatory Counsel
Intelsat Corporation

cc: Paul Blais