

April 23, 2018

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

Re: Request for Further Extension of Special Temporary Authority  
Fillmore, California Earth Station E4132

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests an additional 30 days of Special Temporary Authority (“STA”)<sup>1</sup> previously granted Intelsat to use its Fillmore, California C-band earth station—call sign E4132—to provide launch and early orbit phase (“LEOP”) services<sup>2</sup> for the GSAT-6A satellite. GSAT-6A, due to an unexpected delay, was launched on March 29, 2018.<sup>3</sup> Intelsat expects the LEOP period to last approximately 30 days.

The GSAT-6A LEOP operations will continue to be performed at the following frequencies: 6415.0 MHz and 6417.16 MHz (RHCP) in the uplink, and 4190.976 MHz, 4198.272 MHz, and 4199.760 MHz (LHCP) in the downlink. 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.<sup>4</sup> 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 GSAT-6A 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.

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<sup>1</sup> 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”).

<sup>2</sup> See *Satellite Communications Services Information; Actions Taken*, Report No. SES-02049, File No. SES-STA-20180322-00265 (Apr. 4, 2018) (Public Notice); *Satellite Communications Services Information; Actions Taken*, Report No. SES-02027, File No. SES-STA-20180103-00006 (Jan. 17, 2017) (Public Notice).

<sup>3</sup> The in-orbit testing and final location for GSAT-6A, which Intelsat understands is licensed by India, will be 83.0° E.L.

<sup>4</sup> Indian Space Research Organisation (“ISRO”), the manager of the GSAT-6A mission, will handle the coordination.

Ms. Marlene H. Dortch  
April 23, 2018  
Page 2

In further support of this further extension request, Intelsat incorporates by reference, Exhibits A and B, which contain a coordination report and waiver requests submitted with its original STA 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 GSAT-6A LEOP mission, ISRO will serve as the mission manager. ISRO 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 ISRO. 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 further extension request will continue to allow Intelsat to help launch the GSAT-6A satellite to the 83.0° E.L. location. This, in turn, will help provide continuity of service at that location and thereby promote the public interest.

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

Respectfully submitted,

*/s/ Cynthia J. Grady*

Cynthia J. Grady  
Regulatory Counsel  
Intelsat Corporation

cc: Paul Blais