

September 27, 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”)<sup>1</sup> 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 SES-15 satellite.<sup>2</sup> SES-15 was launched on May 18, 2017.<sup>3</sup> Intelsat expects the LEOP period to last approximately 200 days.<sup>4</sup>

The SES-15 LEOP operations will continue to be performed at the following frequencies: 13999.0 MHz, 14001.0 MHz, 14499.0 MHz, and 14501.0 MHz (V, H, or LHCP) in the uplink; and 10700.5 MHz and 12199.5 MHz (V, H, or 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>5</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 SES-15 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, an 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-01946, File No. SES-STA-20170213-00155 (Apr. 12, 2017) (Public Notice).

<sup>3</sup> The in-orbit testing location for SES-15, which Intelsat understands is licensed by Luxemburg, will be at 136° W.L. The final location of SES-15 will be at 129° W.L.

<sup>4</sup> Intelsat is seeking authority for an addition 30 days to accommodate the longer orbit-raising time period required for an electric propulsion satellite.

<sup>5</sup> Boeing, the manager of the SES-15 LEOP mission, will handle the coordination.

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In further support of this extension request, Intelsat incorporates by reference Exhibits A and B, a 13 GHz report and a waiver request, 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 SES-15 LEOP mission, Boeing will continue to serve as the mission manager. Boeing 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 Boeing. Intelsat will continue to 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 continue providing help for the SES-15 launch mission. This, in turn, will help provide additional capacity from the 129° W.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, appearing to read 'Cynthia J. Grady'.

Cynthia J. Grady  
Regulatory Counsel  
Intelsat Corporation

cc: Paul Blais