

June 7, 2017

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

Re: Request for Special Temporary Authority  
Hagerstown, Maryland Earth Station KA275

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests a grant of Special Temporary Authority (“STA”)<sup>1</sup> for 30 days, commencing June 26, 2017, to use its Hagerstown, Maryland C-band earth station—call sign KA275—to provide launch and early orbit phase (“LEOP”) services for Intelsat 35e; telemetry, tracking, and command (“TT&C”) during in-orbit testing (“IOT”) at 33.0° W.L.; TT&C during the drift of Intelsat 35e to its final location of 34.5° W.L.; and TT&C on-station at 34.5° W.L.<sup>2</sup> Intelsat 35e is expected to be launched on June 26, 2017. The LEOP, IOT, and drift are expected to last approximately 30 days.

The proposed operations will be performed using the following frequencies: 6424.5 MHz, and 5853.0 MHz in the uplink (LHCP/V); and 4197.75 MHz, 4198.25 MHz, 4198.75 MHz, and 4199.25 MHz in the downlink (LHCP/H). The proposed operations will be coordinated with all operators of satellites that use the same frequency bands and are in the LEOP path, the drift path, or are potentially affected by these operations at the IOT location.<sup>3</sup> All operators of potentially affected satellites will be provided with an emergency phone number where the licensee can be reached in the event that harmful interference occurs.

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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> The permanent orbital location for Intelsat 35e will be at 34.5° W.L. *See Policy Branch Information; Actions Taken, Report No. SAT-01191, SAT-LOA-20160408-00034 (Oct. 7, 2016) (Public Notice).* The in-orbit testing location will be 33.0° W.L. *See Policy Branch Information; Actions Taken, Public Notice, Report No. SAT-01223, File No. SAT-STA-20170314-00050 (Mar. 17, 2017) (Public Notice).*

<sup>3</sup> Intelsat will handle the coordination.

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The 24x7 contact information for the Intelsat 35e 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.

The proposed TT&C operations at 34.5° W.L. will be consistent with Intelsat's coordination agreements for the nominal 34.5° W.L. orbital location. In the unlikely event that harmful interference occurs, Intelsat will take all necessary steps to eliminate the interference.

In further support of this request, Intelsat herewith attaches Exhibit A, which contains 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. 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.

Grant of this STA request will allow Intelsat to help launch and test the Intelsat 35e satellite. This, in turn, will help provide additional capacity to customers at the 34.5° 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,

*/s/ Cynthia J. Grady*

Cynthia J. Grady  
Regulatory Counsel  
Intelsat Corporation

cc: Paul Blais