

August 28, 2015

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 KA258

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests a grant of Special Temporary Authority (“STA”)<sup>1</sup> for 30 days, commencing September 30, 2015, to use its Hagerstown, Maryland Ku-band earth station—call sign KA258—to provide launch and early orbit phase (“LEOP”) services for the ArSat-2 satellite. ArSat-2 is expected to be launched on September 30, 2015.<sup>2</sup> The LEOP period is expected to last approximately 10 days.<sup>3</sup>

The ArSat-2 LEOP operations will be performed in the following frequencies: 14001.750 MHz and 14499.600 MHz (LHCP) in the uplink, and 11701.750MHz and 12198.250 MHz (RHCP) in the downlink. The LEOP operations will 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 ArSat-2 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.

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.

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<sup>1</sup> Intelsat has filed its STA request, an FCC Form 159, a \$195.00 filing fee, and this supporting letter electronically via the International Bureau’s Filing System (“IBFS”).

<sup>2</sup> The permanent orbital location for ArSat-2, which Intelsat understands is licensed by Argentina, will be at 81.0° W.L. The in-orbit testing location will be 81.1° W.L.

<sup>3</sup> Intelsat is seeking authority for 30 days to accommodate a possible launch delay.

<sup>4</sup> Telespazio, the manager of the ArSat-2 mission, will handle the coordination.

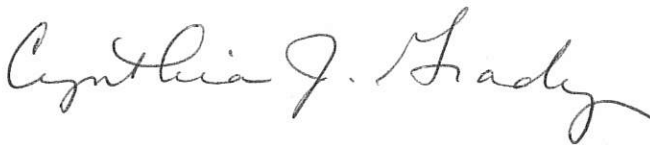
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Finally, Intelsat clarifies that during the ArSat-2 LEOP mission, Telespazio will serve as the mission manager. Telespazio will build and send the commands to the Intelsat antenna, which will process and execute the commands. Telemetry received by Intelsat will be forwarded to Telespazio. 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 request will allow Intelsat to help launch the ArSat-2 satellite. This, in turn, will help provide new services at the 81.0° 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,

A handwritten signature in cursive script that reads "Cynthia J. Grady". The signature is written in black ink and is positioned above the typed name and title.

Cynthia J. Grady  
Regulatory Counsel  
Intelsat Corporation

cc: Paul Blais