

January 5, 2017

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

Re: Request for Special Temporary Authority  
Castle Rock, Colorado Earth Station KL92

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests a grant of Special Temporary Authority (“STA”)<sup>1</sup> for 30 days, commencing January 27, 2017, to use its Castle Rock, Colorado Ku-band earth station—call sign KL92—to provide launch and early orbit phase (“LEOP”) services for the HispaSat-AG1 satellite. HispaSat-AG1 is expected to be launched on January 27, 2017.<sup>2</sup> The LEOP period is expected to last approximately 30 days.<sup>3</sup>

The HispaSat-AG1 LEOP operations will be performed at the following frequencies: 14003.8 MHz and 14494.5 MHz in the uplink (linear and circular polarizations), and 11452.0 MHz and 12749.0 MHz in the downlink (linear and circular polarizations). 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 HispaSat-AG1 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.

In further support of this request, Intelsat hereby attaches Exhibits A and B, which contain waiver requests. 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.

---

<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 in-orbit testing location for HispaSat-AG1, which Intelsat understands is licensed by Spain, will be at 26.0° W.L. The final location of HispaSat-AG1 will be at 36.0° W.L.

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

<sup>4</sup> OBH Systems, the manager of the HispaSat-AG1 mission, will handle the coordination.

Ms. Marlene H. Dortch  
January 5, 2017  
Page 2

Finally, Intelsat clarifies that during the HispaSat-AG1 LEOP mission, OBH Systems will serve as the mission manager. OBH Systems 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 OBH Systems. 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 HispaSat-AG1 satellite. This, in turn, will help provide additional capacity at the 36.0° 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 blue ink that reads "Cynthia J. Grady". The signature is written in a cursive style with a large initial "C".

Cynthia J. Grady  
Regulatory Counsel  
Intelsat Corporation

cc: Paul Blais