

December 11, 2015

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
Castle Rock, Colorado Earth Station E040174

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests an additional 60 days—December 16, 2015 through February 12, 2016—of the Special Temporary Authority (“STA”)¹ previously granted Intelsat to use its Castle Rock, Colorado C-band earth station—call sign E040174—to provide on-station, telemetry, tracking, and command (“TT&C”) service to Intelsat 34 (S2915)² at its permanent location of 55.5° W.L.³ E040174 will replace the satellite’s current back-up TT&C antennas.⁴

The Intelsat 34 operations will continue to be performed using the following frequencies:

6173.7 MHz and 6176.3 MHz in the uplink (LHCP); and
3949.0 MHz, 3949.5 MHz, 3950.5 MHz, and 3951 MHz in the downlink (RHCP).

In further support of this request, Intelsat incorporates by reference Exhibit A submitted with its original STA request, 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, and the 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. Intelsat also

¹ 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”).

² See *Satellite Communications Services Information; Actions Taken*, Report No. SES-01799, File No. SES-STA-20151014-00681 (Nov. 18, 2015) (Public Notice).

³ See *Policy Branch Information; Actions Taken*, Report No. SAT-01064, File No. SAT-LOA-20140114-00005 (Jan. 23, 2015) (Public Notice).

⁴ Intelsat has a pending application to permanently modify its E040174 license to include TT&C operations for Intelsat 34. See *Intelsat License LLC Modification of License for Castle Rock, CO Earth Station, Call Sign E040174*, File No. SES-MFS-20151023-00762 (filed 10/23/2015).

Ms. Marlene H. Dortch
December 11, 2015
Page 2

notes that it is seeking to operate in the frequencies listed in this request at power levels not to exceed 27.0 dBW.

Grant of this STA extension request will allow Intelsat to ensure the safe station-keeping of the Intelsat 34 satellite as a back-up to the satellite's primary TT&C antenna. This, in turn, will help ensure continuity of service at the 55.5° 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,

A handwritten signature in cursive script, reading "Cynthia J. Grady".

Cynthia J. Grady
Regulatory Counsel
Intelsat Corporation

cc: Paul Blais