

April 7, 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 30 days—from April 12, 2015 through May 11, 2015—of the Special Temporary Authority (“STA”)<sup>1</sup> previously granted Intelsat to use its Castle Rock, Colorado C-band earth station—call sign E040174—to provide launch and early orbit phase (“LEOP”) services for the Eutelsat-115WB satellite that was successfully launched on March 1, 2015.<sup>2</sup> The LEOP period is expected to last approximately 240 days.<sup>3</sup>

The Eutelsat-115WB LEOP operations will continued to be performed in the following frequency bands: 6423.5 MHz and 6421.5 MHz in the uplink (LHCP), and 4199.0 MHz and 4199.8 MHz in the downlink (LHCP). 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>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 Eutelsat-115WB 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 this STA request, an FCC Form 159, and a \$195.00 filing fee electronically via the International Bureau’s Filing System.

<sup>2</sup> See *Satellite Communications Services Information; Actions Taken*, Report No. SES-01729, File No. SES-STA-20150204-00061 (Mar. 4, 2015) (Public Notice). The permanent orbital location for Eutelsat-115WB, which Intelsat understands is licensed by Mexico, will be at 114.9° W.L. The in-orbit testing location will be 114.9° E.L.

<sup>3</sup> Intelsat is also seeking authority for 180 days to accommodate the longer orbit-raising time period required for an electric propulsion satellite. See *Satellite Communications Services; Satellite Radio Applications Accepted for Filing*, Report No. SES-01728, File No. SES-STA-20150204-00058 (Mar. 4, 2015) (Public Notice).

<sup>4</sup> Intelsat will handle the coordination.

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In further support of this extension request, Intelsat incorporates by reference Exhibit A submitted with its original STA request, which contains a waiver request, and the technical information provided in a supplement dated February 18, 2015. The provided technical information 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 prior to launch. 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 notes that for purposes of the Eutelsat-115WB LEOP mission, it is seeking to operate in the frequencies listed in the request at power levels not to exceed 25.5 dBW.

During the Eutelsat-115WB mission, Boeing will continue to serve as the mission manager. Boeing will build and send the commands to the Intelsat antenna, which will continue to process and execute the commands. Telemetry received by Intelsat will continue to 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 continue to allow Intelsat to continue aiding in the launch the Eutelsat-115WB satellite. This, in turn, will help ensure continuity of service at the 114.9° W.L. orbital location and thereby promotes the public interest.

For these reasons set forth herein, Intelsat respectfully requests that the Commission grant this extension request.

Please direct any questions regarding this STA request to the undersigned at (703) 559-6949.

Respectfully submitted,



Cynthia J. Grady  
Regulatory Counsel  
Intelsat Corporation

cc: Paul Blais