

July 28, 2014

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 September 8, 2014, to use its Castle Rock, Colorado Ku-band earth station—call sign KL92—to provide launch and early orbit phase (“LEOP”) services for the Optus-10 satellite. Optus-10 is expected to be launched as early as September 8, 2014.<sup>2</sup> The LEOP period is expected to last approximately ten days.<sup>3</sup>

The Optus-10 LEOP operations will be performed in the following frequency bands: 13978.5 MHz, 13980.5 MHz and 13982.5 MHz in the uplink (RHCP), and 12233.5 MHz, 12235.5 MHz and 12237.5 MHz in the downlink (RHCP). 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 Optus-10 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 technical information that demonstrates that the operation of the earth station will be compatible with its

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

<sup>2</sup> The permanent orbital location for Optus-10, which Intelsat understands is licensed by Australia, will be at 164.0° E.L. The in-orbit testing location will be 176.0° E.L.

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

<sup>4</sup> Space Systems/Loral (“SS/L”), the manager of the Optus-10 LEOP mission, will handle the coordination.

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electromagnetic environment and will not cause harmful interference into any lawfully operating terrestrial facility, as well as waiver requests. Intelsat also notes that for purposes of the Optus-10 LEOP mission, it is seeking to operate in the frequencies listed in the request at power levels not to exceed 25.5 dBW.

Finally, Intelsat clarifies that during the Optus-10 launch, the spacecraft will be controlled by SS/L. SS/L 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 SS/L. 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 Optus-10 satellite. This, in turn, will help ensure continuity of service at the 164.0° E.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,



Cynthia J. Grady  
Regulatory Counsel  
Intelsat Corporation

cc: Paul Blais