

October 15, 2012

Ms. Marlene H. Dortch  
Secretary  
Federal Communications Commission  
445 12<sup>th</sup> 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, from October 24, 2012 through November 23, 2012, to use its Castle Rock, Colorado Ku-band earth station -- call sign KL92 -- to provide in-orbit testing (“IOT”) services for the Intelsat 23 satellite.

The Intelsat 23 IOT operations will be performed at the 51.5° W.L. longitude in the 14000-14500 MHz frequency bands in the uplink and the 11700-12200 MHz frequency bands in the downlink (RHCP).<sup>2</sup> The maximum uplink EIRP transmitted during the IOT operations will be 75 dBW, with an unmodulated carrier. Nominal operations are expected to be conducted at an EIRP level of 70 dBW.

The IOT operations have been coordinated with all operators of satellites that use the same frequency bands and are within six degrees of the IOT location. As such, there is no risk of harmful interference into lawfully operating co-frequency satellites. 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.

Grant of this STA request will allow Intelsat to in-orbit test the Intelsat 23 satellite, which is a critical step in ensuring that the

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<sup>1</sup> Intelsat has filed its STA request, an FCC Form 159, a \$180.00 filing fee and this supporting letter electronically via the International Bureau’s Filing System (“IBFS”).

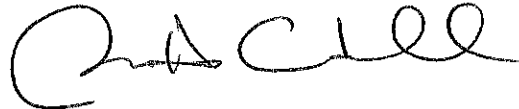
<sup>2</sup> See *Policy Branch Information; Actions Taken*, Report No. SAT-00904, File No. SAT-STA-20120913-00149 (Oct. 11, 2012) (Public Notice); *Policy Branch Information; Actions Taken*, Report No. SAT-00889, File No. SAT-STA-20120628-00106 (Aug. 10, 2012) (Public Notice).

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satellite is able to provide service continuity at its permanent location of 43.0° W.L. Accordingly, grant is in the public interest.

Please direct any questions regarding this STA request to the undersigned at (202) 944-7848.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'S. Crandall', written in a cursive style.

Susan H. Crandall  
Assistant General Counsel  
Intelsat Corporation

Cc: Paul Blais