

May 17, 2010

Ms. Marlene H. Dortch  
Secretary  
Federal Communications Commission  
445 12<sup>th</sup> Street, S.W.  
Washington, DC 20554



Re: Request for Further Extension of STA to Operate a New 9.2m Ka-band Antenna at Intelsat's Riverside Teleport

Dear Ms. Dortch:

Intelsat North America LLC ("Intelsat") herein requests a further 30-day extension -- through June 21, 2010 -- of the Special Temporary Authority ("STA")<sup>1</sup> previously granted Intelsat to test a new 9.2m Ka-band antenna located at its existing Riverside, CA teleport.<sup>2</sup>

A further extension is necessary because late delivery of critical antenna sub-components has delayed the tests. Indeed, testing has yet to begin. Testing is, however, scheduled to begin this week and, barring further delay, should be completed by the end of the requested further extension period.

As originally requested, Intelsat will transmit in the 29500-30000 MHz bands and receive in the 19700-20200 MHz bands. Also as originally requested, the antenna will communicate with Galaxy 28 at 89° W.L. during testing. Galaxy 28 will be utilized for antenna gain patterns verification -- transmit and receive in both azimuth and elevation in both polarizations (linear and circular) -- and for cross-polarization patterns verification.

In support of this further extension request, Intelsat incorporates by reference the materials submitted with its original STA request to test this antenna -- specifically, the detailed technical information (in Exhibits A-D) that demonstrates that the operation of the earth station at 89° W.L. during testing

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<sup>1</sup> Intelsat has filed its STA request, an FCC Form 159, a \$175.00 filing fee and this supporting letter electronically via the International Bureau's Filing System ("IBFS").

<sup>2</sup> See *Satellite Communications Services Information; Actions Taken*, Report No. SES-01231, File No. SES-STA-20091204-01561 (Mar. 31, 2010) (Public Notice); *Intelsat North America LLC Request for Extension of STA to Operate a New 9.2m Ka-band Antenna at Intelsat's Riverside Teleport*, File No. SES-STA-20100416-00449 (stamp grant issued by Shahnaz Ghavami on Apr. 22, 2010).

Ms. Marlene H. Dortch

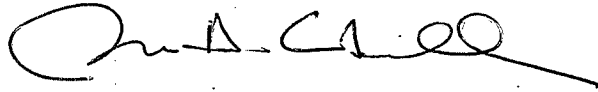
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will be compatible with its electromagnetic environment and will not cause harmful interference into any lawfully operating facility. In the extremely unlikely event that harmful interference should occur, Intelsat will take all reasonable steps to eliminate the interference.

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

Sincerely,

A handwritten signature in black ink, appearing to read "Susan H. Crandall", with a long horizontal line extending to the right.

Susan H. Crandall  
Assistant General Counsel  
Intelsat Corporation

cc: Kathryn Medley  
Shahnaz Ghavami