

August 20, 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 to Conduct Telemetry,  
Tracking and Control Operations Using Earth Station E990323

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests Special Temporary Authority (“STA”)<sup>1</sup> for 30 days commencing September 3, 2012 to use its Castle Rock, Colorado earth station – call sign E990323 – to provide telemetry, tracking and control (“TT&C”) services to the DIRECTV 1R satellite (call sign S2369) as it drifts from 109.8° W.L. to 56.16° E.L.<sup>2</sup> Earth station E990323 will communicate with DIRECTV 1R until it loses visibility of the satellite at 88.0° W.L., whereupon the TT&C services will switch to another Intelsat earth station.<sup>3</sup>

The DIRECTV 1R TT&C operations will be performed in the following frequency bands:

Uplink: 17305 and 17799 MHz

Downlink: 12699.25 and 12698.25 MHz

The emission designator for both the uplink (command) carriers is 800KF2D and the transmitted EIRP will be 85.3 dBW.

Grant of this STA request will serve the public interest because the redeployment of the DIRECTV 1R satellite to 56.16° E.L. will ensure

---

<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> DirecTV has filed applications to redeploy the satellite. See *DIRECTV Enterprises, LLC Application for Authorization to Operate DIRECTV 1R, a Direct Broadcast Satellite*, File No. SAT-LOA-20120817-00137 (filed Aug. 17, 2012) and *DIRECTV Enterprises, LLC Request for Special Temporary Authority*, File No. SAT-STA-20120817-00138 (filed Aug. 17, 2012).

<sup>3</sup> Intelsat is concurrently filing an STA request for its earth station KA258 to continue tracking the satellite to its final location.

Ms. Marlene H. Dortch  
August 20, 2012  
Page 2

continuity of service at that location. The satellite currently located at 56.0° E.L. -- Bonum 1 -- is expected shortly to experience significant service degradation. Services currently on Bonum 1 will be transferred to DIRECTV 1R upon the latter's arrival at 56.16° E.L. The entire drift is expected to take between four and five months.

Moreover, grant of this STA extension request will not result in increased risk of harmful interference to any other system. Intelsat's earth station is already authorized to provide TT&C services to DIRECTV 1R using the frequencies listed above.<sup>4</sup> Intelsat will continue to operate the TT&C transmissions within the coordinated parameters in the earth station's license.

In addition, DIRECTV has stated that it will coordinate the satellite's drift with potentially affected satellite operators. As such, co-frequency operations of other satellite operators will not be affected.

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

Respectfully submitted,



Susan H. Crandall  
Assistant General Counsel  
Intelsat Corporation

cc: Paul Blais

---

<sup>4</sup> See *Satellite Communications Services Information; Actions Taken*, Report No. SES-01474, File No. SES-STA-20120730-00703 (Aug. 8, 2012) (Public Notice); *Satellite Communications Services Information; Actions Taken*, Report No. SES-01458, File No. SES-STA-20120605-00496 (June 13, 2012) (Public Notice); *Satellite Communications Services Information; Actions Taken*, Report No. SES-01442, File No. SES-STA-20120403-00329 (Apr. 18, 2012) (Public Notice); *Satellite Communications Services Information; Actions Taken*, Report No. SES-01425, File No. SES-STA-20120202-00135 (Feb. 15, 2012) (Public Notice); *Satellite Communications Services Information; Actions Taken*, Report No. SES-01414, File No. SES-STA-20111229-01510 (Jan. 11, 2012) (Public Notice).