



**INTELSAT.**

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December 18, 2018

Ms. Marlene H. Dortch  
Secretary  
Federal Communications Commission  
445 12th Street, S.W.  
Washington, D.C. 20554

Re: Request for Further Extension of Special Temporary Authority  
Napa, California Earth Station E950307

Intelsat License LLC (“Intelsat”) herein requests an additional 30 days of Special Temporary Authority (“STA”)<sup>1</sup> previously granted Intelsat to use its Napa, California C-band earth station—call sign E950307—to provide telemetry, tracking, and command (“TT&C”) during in-orbit testing (“IOT”) of Horizons 3e (S2947) at 164.0° E.L and TT&C during the drift of Horizons 3e to its final location of 169.0° E.L.<sup>2</sup> Horizons 3e was launched on September 25, 2018.<sup>3</sup> The IOT and drift are expected to last approximately 3 months.

The Horizons 3e operations will continue to be performed using the following frequencies and frequency bands: 6421.5-6425.0 MHz, and 5850.0-5853.5 MHz in the uplink (LHCP/V); and 4197.75 MHz, 4198.25 MHz, 4198.75 MHz and 4199.25 MHz in the downlink (LHCP/V). The Horizons 3e operations will continue to be coordinated with all operators of satellites that use the same frequency bands and are in the drift path or are potentially affected by these operations at the IOT location. All operators of potentially affected satellites 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 Horizons 3e mission is as follows:

Ph.: (703) 559-7701 – East Coast Operations Center (primary)  
(310) 525-5591 – West Coast Operations Center (back-up)

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<sup>1</sup> Intelsat has filed its STA request, an FCC Form 159, a \$210.00 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-02119, File No. SES-STA-20181022-0372 (Dec. 5, 2018) (Public Notice); *Satellite Communications Services Information; Actions Taken*, Report No. SES-02098, File No. SES-STA-20180828-02518 (Sept. 19, 2018) (Public Notice).

<sup>3</sup> The permanent orbital location for Horizons 3e will be at 169.0° E.L. See *Policy Branch Information; Actions Taken*, Report No. SAT-01313, File No. SAT-MOD-20170622-00093 (April 27, 2018) (Public Notice).

Request to speak with Harry Burnham or Kevin Bell.

In further support of this extension request, Intelsat incorporates by reference Exhibit A, provided with its original request,<sup>4</sup> which contains technical information that 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. 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 extension request will allow Intelsat to help launch and test the Horizons 3e satellite. This, in turn, will help provide additional capacity to customers at the 169.0° E.L. orbital location and thereby promotes the public interest.

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

Respectfully submitted,

*/s/ Cynthia J. Grady*

Cynthia J. Grady  
Senior Counsel  
Intelsat US LLC

cc: Paul Blais

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<sup>4</sup> *See supra* n. 2.