

March 22, 2018

Ms. Marlene H. Dortch
Secretary
Federal Communications Commission
445 12th Street, SW
Washington, DC 20554

Re: Request for Extension of Special Temporary Authority
18-inch Ku-band Vehicle-mounted Earth Station Antenna, Call Sign E170121

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests an additional 30 days of Special Temporary Authority (“STA”)¹ previously granted Intelsat to utilize a vehicle-mounted 18-inch Rantec Airborne SATCOM terminal² to communicate with Intelsat 29e (Call Sign S2913) while the vehicle is in motion in Maryland, Virginia, West Virginia, North Carolina, South Carolina, Georgia, and Florida to test a new product. All testing will occur on the ground and will continue to be performed in the following frequency bands: 14.0-14.5 GHz and 11.7-12.2 GHz.

The Federal Communications Commission (“FCC” or “Commission”) has previously authorized Intelsat to operate the Smiths Interconnect KuStream® 1500 terminal—then known as the TECOM KuStream® 1500 terminal—to provide advanced mobile broadband services to aircraft using Ku-band frequencies under an earth stations aboard aircraft blanket license (call sign E170121).³ The Commission has also granted Intelsat STA to operate the Rantec Airborne SATCOM terminal (Call Sign E170121) to communicate with Intelsat 29e in Maryland, Virginia, North Carolina, South Carolina, Georgia, and Florida while the vehicle is in motion.⁴

¹ Intelsat has filed its STA request, FCC Form 159, a \$200.00 filing fee and this supporting letter electronically via the International Bureau’s Filing System (“IBFS”).

² See *Policy Branch Information; Actions Taken*, Public Notice, Report No. SES-02040, File No. SES-STA-20180124-00059 (Feb. 28, 2018) (Public Notice). In error, West Virginia was omitted from the original grant. Intelsat requests its inclusion in the extension.

³ The FCC authorized Intelsat to operate the Rantec Airborne SATCOM terminal to provide advanced mobile broadband services to aircraft using Ku-band frequencies under an earth stations aboard aircraft blanket license. See *Policy Branch Information; Actions Taken*, Public Notice, Report No. SES-01999, File No. SES-LIC-20170626-00682 (Oct. 11, 2017).

⁴ See e.g. *See Policy Branch Information; Actions Taken*, Public Notice, Report No. SES-02040, File No. SES-STA-20180205-00101 (Feb. 28, 2018) (Public Notice).

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In this application, Intelsat requests an extension of STA to continue to operate in West Virginia in addition to these six states.

In further support of this request, Intelsat incorporates by reference, a radiation hazard analysis report as Exhibit A, submitted with its original STA request. Additionally, Intelsat will not operate within 125 km of any Tracking and Data Relay Satellite System sites. To minimize any potential interference, operations under this STA extension will continue to conform to the Commission's Part 25 Vehicle-Mounted Earth Stations rules.

Grant of this STA extension request will continue to assist Intelsat in testing a new product. This, in turn, will help provide customer service 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
Regulatory Counsel
Intelsat Corporation

cc: Paul Blais