


APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:  
Request for Further Extension of Special Temporary Authority to Operate a New Remote VSAT Terminal with Ellenwood, Georgia  
VSAT Hub, Call Sign E050169

1. Applicant

<b>Name:</b>	Intelsat License LLC	<b>Phone Number:</b>	703-559-7848
<b>DBA Name:</b>		<b>Fax Number:</b>	703-559-8539
<b>Street:</b>	c/o Intelsat US LLC 7900 Tysons One Place	<b>E-Mail:</b>	susan.crandall@intelsat.com
<b>City:</b>	McLean	<b>State:</b>	VA
<b>Country:</b>	USA	<b>Zipcode:</b>	22102 -5972
<b>Attention:</b>	Susan H. Crandall		



**GRANTED**  
International Bureau

**File #** E050169 **Grant Date** 12-10-19  
**Call Sign** E050169 **Term Dates** 12-10-19 **To:** 1-9-20  
(or other identifier)

**Approved:** [Signature]

<b>2. Contact</b>	
<b>Name:</b> Cynthia J. Grady	<b>Phone Number:</b> 7035596949
<b>Company:</b> Intelsat US LLC	<b>Fax Number:</b> 703-559-8539
<b>Street:</b> 7900 Tysons One Place	<b>E-Mail:</b> cynthia.grady@intelsat.com
<b>City:</b> McLean	<b>State:</b> VA
<b>Country:</b> USA	<b>Zipcode:</b> 22102 -5972
<b>Attention:</b>	<b>Relationship:</b> Legal Counsel
(If your application is related to an application filed with the Commission, enter either the file number or the IB Submission ID of the related application. Please enter only one.)	
3. Reference File Number or Submission ID	
4a. Is a fee submitted with this application?	
<input checked="" type="radio"/> If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114).	
<input type="radio"/> Governmental Entity <input type="radio"/> Noncommercial educational licensee <input type="radio"/> Other (please explain):	
4b. Fee Classification    CGV – Fixed Satellite VSAT System	
5. Type Request	
<input type="radio"/> Use Prior to Grant <input type="radio"/> Change Station Location <input checked="" type="radio"/> Other	
6. Requested Use Prior Date	
7. City: Ellenwood	8. Latitude (dd mm ss.s h)    33    39    59.0    N

9. State GA	10. Longitude (dd mm ss.s h) 84 16 19.0 W
11. Please supply any need attachments. Attachment 1: STA Request	Attachment 2:  Attachment 3:
12. Description. (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)  Intelsat License LLC herein requests an additional 30 days of Special Temporary Authority previously granted to Intelsat to temporarily operate a new Ku-band remote VSAT terminal with the Intelsat Ellenwood, Georgia VSAT hub (Call Sign E050169) in order to communicate with Intelsat satellites on the Federal Communication Commission's Permitted list for a	
13. By checking Yes, the undersigned certifies that neither applicant nor any other party to the application is subject to a denial of Federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Act of 1988, 21 U.S.C. Section 862, because of a conviction for possession or distribution of a controlled substance. See 47 CFR 1.2002(b) for the meaning of "party to the application"; for these purposes.	Yes <input checked="" type="radio"/> No <input type="radio"/>
14. Name of Person Signing Cynthia J. Grady	15. Title of Person Signing Senior Counsel, Intelsat US LLC
WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND / OR IMPRISONMENT (U.S. Code, Title 18, Section 1001), AND/OR REVOCATION OF ANY STATION AUTHORIZATION (U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).	

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**THE FOREGOING NOTICE IS REQUIRED BY THE PAPERWORK REDUCTION ACT OF 1995, PUBLIC LAW 104-13, OCTOBER 1, 1995, 44 U.S.C. SECTION 3507.**

## **12. Description**

Intelsat License LLC herein requests an additional 30 days of Special Temporary Authority previously granted to Intelsat to temporarily operate a new Ku-band remote VSAT terminal with the Intelsat Ellenwood, Georgia VSAT hub (Call Sign E050169) in order to communicate with Intelsat satellites on the Federal Communication Commission's Permitted list for a customer demonstration.

Applicant: Intelsat Licensee LLC  
Call Sign: E050169  
File No.: SES-STA-20191113-01510  
Special Temporary Authority ("STA")



File # SES-STA-20191113-01510  
E050169  
Call Sign E050169 Grant Date 12-10-19  
(or other identifier)  
Term Dates  
From: 12-10-19 To: 1-9-20  
Approved: Paul E. Hines

Intelsat License LLC ("Intelsat") is granted extension of Special Temporary Authority for 30 days to operate its Ku-band VSAT terminal located in Liberty, WA and its VSAT hub in Ellenwood, GA with Intelsat satellites on the Permitted Satellite List, due to recent capacity problems on the Horizon 1 satellite, in the 14346.5-14358.0 MHz (Earth-to-space) and 12046.5-12058.0 MHz (space-to-Earth) frequencies under the following conditions:

1. Operations under this authority are on a non-interference basis only.
2. Operations under this authority are on a non-protected basis only.
3. The Permitted Space Station List (Permitted List) is a list of all geostationary space stations providing fixed-satellite service pursuant to a Commission license or grant of U.S. market access. The Permitted List currently includes the following frequency bands per §25.103 and §25.115(k)(1): 3600-4200 MHz (space-to-Earth) 5850-6725 MHz (Earth-to-space) 10.95-11.2 GHz (space-to-Earth) 11.45-12.2 GHz (space-to-Earth) 13.75-14.5 GHz (Earth-to-space) 18.3-18.8 GHz (space-to-Earth) 19.7-20.2 GHz (space-to-Earth) 24.75-25.25 GHz (Earth-to-space) 28.35-28.6 GHz (Earth-to-space) 29.25-30.0 GHz (Earth-to-space). Earth stations with "Permitted List" designated as a point of communication may access any space station on the Permitted List, provided the operations comply with the applicable "routine" uplink and downlink limits, are within the specific frequency bands authorized in the earth station license, have completed coordination with terrestrial stations pursuant to 47 C.F.R. §25.203, and otherwise comply with all terms and conditions of both the earth station license and the space station grant.
4. Operations shall be compliant with 47 C.F.R. § 25.211, 47 C.F.R § 25.212, or 47 C.F.R. § 25.218.
5. Intelsat shall, at all times, take all necessary measures to ensure that operation of this earth station does not create potential exposure of humans to radiofrequency radiation in excess of the FCC exposure limits defined in 47 CFR § 1.1307(b) and 1.1310. Physical measures must be taken to ensure compliance with limits for both occupational/controlled exposure and for general population/uncontrolled exposure, as defined in these rule sections. Compliance can be accomplished in most cases by appropriate restrictions, such as fencing. Requirements for restrictions can be determined by predictions based on calculations, modeling, or by field measurements. The FCC's OET Bulletin 65 (available on-line at [www.fcc.gov/oet/rfsafety](http://www.fcc.gov/oet/rfsafety)) provides information on predicting exposure levels and on methods for ensuring compliance, including the use of warning and alerting signs and protective equipment for workers.

6. In the event of any harmful interference under this grant of special temporary authority Intelsat must cease operations immediately upon notification of such interference, and must inform the Commission in writing, immediately of such an event.
7. Any action taken or expense incurred as a result of operations pursuant to this special temporary authority is solely at Intelsat's risk.
8. Grant of this authorization is without prejudice to any determination that the Commission may make regarding pending or future Intelsat applications.
9. Operations of this station during the period from expiration of November 16, 2019, IBFS file number SES-STA-20190909-01203, to the grant of this special temporary authority was authorized pursuant to Section 1.62 of the Commission's rules, 47 C.F.R. § 1.62.

This action is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 CFR § 0.261, and is effective immediately.



November 13, 2019

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

Re: Request for Further Extension of Special Temporary Authority to Operate a New Remote VSAT Terminal with IntelSat's Ellenwood, Georgia VSAT Hub; Call Sign E050169

Dear Ms. Dortch:

IntelSat License LLC ("IntelSat") herein requests an additional 30 days of Special Temporary Authority ("STA")<sup>1</sup> previously granted to IntelSat to temporarily operate a new Ku-band remote VSAT terminal with IntelSat's Ellenwood, Georgia VSAT hub (Call Sign E050169)<sup>2</sup> in order to communicate with IntelSat satellites on the Federal Communication Commission's ("Commission") Permitted List for a customer demonstration. The VSAT terminal is located in Liberty, Washington and the demonstration is still ongoing and expected to take at least an additional 30 days.

The demonstration will continue to be performed in the following frequency bands: 14346.5-14358.0 MHz in the uplink; and 12046.5-12058.0 MHz in the downlink. The proposed operations will be consistent with IntelSat's coordination agreements. The 24x7 contact information for the operations is as follows:

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

Request to speak with Harry Burnham or Kevin Bell.

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<sup>1</sup> IntelSat has filed this STA request, an FCC Form 159, and a \$210.00 filing fee electronically via the International Bureau's Filing System.

<sup>2</sup> See, e.g., *Satellite Communications Services Information; Actions Taken*, Report No. SES-02211, File No. SES-STA-20190909-01203 (Oct. 23, 2019) (Public Notice).



Ms. Marlene Dortch  
November 13, 2019  
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In further support of this request, Intelsat incorporates by reference Exhibit A, a Radiation Hazard Report, included with its original STA request.<sup>3</sup> In the extremely unlikely event that harmful interference should occur due to transmissions to or from its remote terminal, Intelsat will take all reasonable steps to eliminate the interference.

The continued temporary operation of a new remote VSAT terminal will help demonstrate services to a potential customer. Accordingly, grant of this further STA extension request is in the public interest.

For the reasons set forth herein, Intelsat respectfully requests that the Commission grant this request. Please direct any questions regarding this request to (703) 559-6949.

Sincerely,

*/s/ Cynthia J. Grady*

Cynthia J. Grady  
Senior Counsel  
Intelsat US LLC

cc: Paul Blais

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<sup>3</sup> See *Satellite Communications Services Information; Actions Taken*, Report No. SES-02169, File No. SES-STA-20190426-00552 (June 5, 2019) (Public Notice).