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E170121 SES-STA-20171204-01302  
Intelsat License LLC

IB2017003349

Approved by OMB  
3060-0678

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 Use an 18-inch Ku-band Vehicle-mounted Earth Station Antenna,  
Call Sign E170121

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 Corporation 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		



"Extension with conditions"

File # SES-STA-20171204-01302

Call Sign E170121 Grant Date 12/06/2017  
(or other identifier)

Term Dates  
From: 12/10/2017 To: 01/09/2018

Approved: Paul E. Black

Form with fields: NAME, DATE, CREDIT DATE, and other illegible text.


Main body of the document containing multiple paragraphs of text, which are mostly illegible due to low contrast and blurring.

Applicant: Intelsat License LLC  
File No.: SES-STA-20171204-01302  
Call Sign: E170121  
Special Temporary Authority

Intelsat License, LLC, is granted a special temporary authority extension from SES-STA-20171031-01226 for 30 days, beginning December 10, 2017, to utilize a vehicle-mounted 18-inch Rantec Airborne SATCOM terminal to communicate with Intelsat 29e (S2913) while the vehicle is in motion in Maryland, Virginia, North Carolina, South Carolina, Georgia, and Florida in order to test a new product. All testing will occur on the ground and will be performed in the following frequency bands: 14.0-14.5 GHz (Earth-to-space) and 11.7-12.2 GHz (space-to-Earth), 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. License must comply with 47 C.F.R. 25.204(i), within 125 km of the TDRSS sites identified in §25.222(d), transmissions in the 14.0-14.2 GHz (Earth-to-space) band shall not exceed an e.i.r.p. spectral density towards the horizon of 12.5 dBW/MHz, and shall not exceed an e.i.r.p. towards the horizon of 16.3 dBW.
4. All operations under this grant of special temporary authority shall be on an unprotected and non-harmful interference basis. Intelsat License LLC's (E170121), shall not cause harmful interference to, and shall not claim protection from interference caused to it by, any other lawfully operating radio communication system.
5. In the event of any harmful interference under this grant of special temporary authority, Intelsat License LLC's (E170121), must cease operations immediately upon notification of such interference, and must inform the Commission, in writing, immediately of such an event.
6. Any action taken or expense incurred as a result of operations pursuant to this special temporary authority is solely 'at Intelsat License LLC's risk.
7. This action is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. §0.261, and is effective immediately.

*30 days*                      *"Extension with conditions"*

 <b>GRANTED</b> Special Temporary Authority Bureau	File # <u>SES-STA-20171204-01302</u>
	Call Sign <u>E170121</u> Grant Date <u>12/06/2017</u> (or other identifier)
	Term Dates From: <u>12/10/2017</u> To: <u>01/09/2018</u>
	Approved: <u>Paul E. Hlubek</u>



**INTELSAT.**

*Envision. Connect. Transform.*

December 4, 2017

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 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”)<sup>1</sup> previously granted Intelsat to utilize a vehicle-mounted 18-inch Rantec Airborne SATCOM terminal<sup>2</sup> to communicate with Intelsat 29e (S2913) while the vehicle is in motion in Maryland, Virginia, North Carolina, South Carolina, Georgia, and Florida to test a new product. All testing will continue to 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.

Intelsat has received an Earth Stations Aboard Aircraft permanent license for this antenna.<sup>3</sup>

In support of this further extension request, Intelsat incorporates by reference a radiation hazard report submitted as Exhibit A in its original STA request.<sup>4</sup> 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 further extension will continue to conform to the Commission’s Part 25 Vehicle-Mounted Earth Stations rules.

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<sup>1</sup> 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”).

<sup>2</sup> See *Satellite Communications Services Information; Actions Taken*, Report No. SES-02007, File No. SES-STA-20171031-01226 (Nov. 8, 2017) (Public Notice); *Satellite Communications Services Information; Actions Taken*, Report No. SES-01999, File No. SES-STA-20171003-01105 (Oct. 11, 2017) (Public Notice); *Satellite Communications Services Information; Actions Taken*, Report No. SES-01991, File No. SES-STA-20170830-00968 (Sep. 13, 2017) (Public Notice); *Satellite Communications Services Information; Actions Taken*, Report No. SES-01977, File No. SES-STA-20170706-00739 (July 26, 2017) (Public Notice).

<sup>3</sup> See *Satellite Communications Services Information; Actions Taken*, File No. SES-LIC-20170626-00682 (Oct. 11 2017) (Public Notice).

<sup>4</sup> See Application of Intelsat License LLC, Call Sign E170121, File No. SES-STA-20170706-00739, Exhibit A (filed July 6, 2017).

Ms. Marlene H. Dortch  
December 4, 2017  
Page 2

Grant of this STA further extension request will allow Intelsat to continue 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 further extension request to the undersigned at (703) 559-7848.

Respectfully submitted,

*/s/ Susan H. Crandall*

Susan H. Crandall  
Associate General Counsel  
Intelsat Corporation

cc: Paul Blais

**2. Contact**

<b>Name:</b>	Susan H. Crandall	<b>Phone Number:</b>	703-559-7848
<b>Company:</b>	Intelsat Corporation	<b>Fax Number:</b>	703-559-8539
<b>Street:</b>	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>		<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?

- If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114).  
 Governmental Entity     Noncommercial educational licensee  
 Other (please explain):

4b. Fee Classification    CGB - Mobile Satellite Earth Stations

5. Type Request

- Use Prior to Grant                       Change Station Location                       Other

6. Requested Use Prior Date

7. City

8. Latitude  
(dd mm ss.s h)    0   0   0.0





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## 12. Description

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