

S2750 SAT-STA-20181128-00086 IB2018010377  
Intelsat License LLC  
Intelsat 16



File # SAT-STA-20181128-00086

Call Sign S2750 Grant Date 02/12/19

(or other identifier)

Term Dates period of  
From 02/16/19 To: 180 days

Approved by OMB  
3060-0678

Approved: \_\_\_\_\_

*Stephen J. Duall*  
Stephen J. Duall  
Chief, Satellite Policy Branch

Date & Time Filed: Nov 28 2018 10:42:43:183AM  
File Number: SAT-STA-20181128-00086  
Callsign:

FEDERAL COMMUNICATIONS COMMISSION  
APPLICATION FOR SPACE STATION SPECIAL TEMPORARY AUTHORITY  
FOR OFFICIAL USE ONLY

APPLICANT INFORMATION


Enter a description of this application to identify it on the main menu:

180-Day STA Request to Temporarily Operate Intelsat 16 With a New Coverage Area (Call Sign S2750)

I. 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		

**ATTACHMENT TO GRANT**  
**Intelsat License LLC**  
**IBFS File No. SAT-STA-20181128-00086**

<b>IBFS File No(s):</b>	SAT-STA-20181128-00086	<p><b>GRANTED - With Conditions</b></p>  <p><b>International Bureau Satellite Division</b></p>
<b>Licensee/Grantee:</b>	Intelsat License LLC	
<b>Call Sign:</b>	S2750	
<b>Satellite Name:</b>	Intelsat 16	
<b>Orbital Location: (required station-keeping tolerance)</b>	76.2° W.L. (+/- 0.05 degrees east/west)	
<b>Administration:</b>	United States of America	
<b>Nature of Service:</b>	Telemetry, Tracking and Command (TT&C); Fixed Satellite Service (FSS)	
<b>Scope of Grant:</b>	Special temporary authority for a period of 180 days to operate Intelsat 16's (S2750) Ku-band beam over a new coverage area in the communications frequencies 14.-14.5 GHz and 11.7-12.2 GHz	
<b>Service Area(s):</b>	See Exhibit A.	
<b>Frequencies:</b>	11.7-12.2 GHz (space-to-Earth) 14.0-14.5 GHz (Earth-to-space) <sup>1</sup>  TT&C Center Frequencies: 13997.5 MHz and 14499.5 MHz (Earth-to-space) 12198.25 MHz and 12198.75 MHz (space-to-Earth)	

**Unless otherwise specified herein, operations under this grant must comport with the legal and technical specifications set forth by the applicant or petitioner and with Federal Communication Commission's rules not waived herein. This grant is also subject to the following conditions:**

1. Operations pursuant to this special temporary authority must be on an unprotected and non-harmful interference basis, i.e., the Intelsat 16 space station must not cause harmful interference to, and shall not claim protection from interference caused to it by, any other lawfully operating station. In the event of any harmful interference, Intelsat must cease operations immediately upon notification of such interference, and shall inform the Commission, in writing, immediately of such an event.
2. Intelsat must coordinate its operations so that no harmful interference is caused to any other lawfully operating satellites or radiocommunication systems.
3. Intelsat shall cease operations immediately upon notification of such interference and inform the Commission in writing immediately of such an event.
4. In connection with the provision of service in any particular country, Intelsat is obliged to comply with the applicable laws, regulations, rules, and licensing procedures of that country.
5. Intelsat must operate Intelsat 16 at the 76.2° W.L. orbital location in compliance with all existing or future coordination agreements for this location. In the absence of a coordination agreement, such communications must comply with applicable provisions of the ITU Radio Regulations as the Commission cannot guarantee the success of the required conditions.

<sup>1</sup> Although Intelsat 16 is also capable of operating in the 10.7-11.45 GHz, 12.75-13.25 GHz, and 13.75-14.00 GHz frequency bands, Intelsat did not seek, and is not granted, authority to operate in these bands under this grant of STA, except for the 13997.5 MHz frequency used for uplink TT&C.

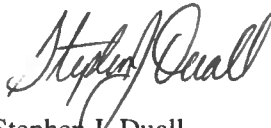
**ATTACHMENT TO GRANT**  
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6. While at the 76.2° W.L. orbital location, Intelsat must maintain the Intelsat 16 spacecraft with an east/west longitudinal station-keeping tolerance of +/- 0.05 degrees.
7. The operations of Intelsat 16 and associated earth stations must comport with the applicable uplink and downlink limits in 47 CFR § 25.140(a)(3) of the Commission's rules, unless Intelsat coordinates any non-conforming operations with the operations of U.S.-licensed geostationary orbit space stations within 6 degrees of the 76.2° W.L. orbital location. Intelsat must also comport with the maximum power limits indicated in existing or future coordination agreements at 76.2° W.L. Non-conforming operation must also be coordinated with respect to those operations of non-U.S.-licensed space stations within 6 degrees of 76.2° W.L. involving approved communications with U.S.-licensed earth stations.
8. Pursuant to footnote US342 of the United States Table of Frequency Allocations, 47 CFR § 2.106, services operating in the 14.47-14.50 GHz band shall take all practicable steps to protect the radio astronomy service from harmful interference.
9. Any action taken or expense incurred as a result of operations pursuant to this special temporary authority is solely at Intelsat's own risk.

Licensee/grantee is afforded thirty (30) days from the date of release of this action to decline the grant as conditioned. Failure to respond within this period will constitute formal acceptance of the grant as conditioned.

This action is taken pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. § 0.261, and is effective upon release.

Station licenses are subject to the conditions specified in Section 309(h) of the Communications Act of 1934, as amended, 47 U.S.C. § 309(h).

<b>Action Date:</b>	February 12, 2019	
<b>Term Dates</b>	<b>From:</b> February 16, 2019	<b>To:</b> period of 180 days
<b>Approved:</b>	 Stephen J. Duall Chief, Satellite Policy Branch	

2. Contact

<b>Name:</b>	Cynthia J. Grady	<b>Phone Number:</b>	703-559-6949
<b>Company:</b>	Intelsat US LLC	<b>Fax Number:</b>	703-559-8538
<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?

- 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    CRY - Space Station (Geostationary)

5. Type Request

- Change Station Location                       Extend Expiration Date                       Other

6. Temporary Orbit Location

7. Requested Extended Expiration Date

8. 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 grant of Special Temporary Authority for 180 days, commencing upon grant, to temporarily operate its Intelsat 16 (S2750) Ku-band beam over a new coverage area in the communications frequencies 14000 - 14500 MHz and 11700 -12200 MHz in order to conduct a customer test.

9. 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  No

10. Name of Person Signing  
Cynthia J. Grady

11. Title of Person Signing  
Senior Counsel, Intelsat US LLC

12. Please supply any need attachments.

Attachment 1: STA Request

Attachment 2:

Attachment 3:

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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**INTELSAT.**

*Envision. Connect. Transform.*

November 28, 2018

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 Operate Intelsat 16 at 76.2° W.L. with New Beam Coverage; Call Sign: S2750

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests grant of Special Temporary Authority (“STA”)<sup>1</sup> for 180 days, commencing upon grant, to temporarily operate Intelsat 16’s (S2750) Ku-band beam over a new coverage area in the communications frequencies 14000-14500 MHz and 11700-12200 MHz in order to conduct a customer test. The proposed test is expected to take approximately 3-6 months and a coverage map of the new beam coverage is enclosed as Exhibit A. Intelsat has also filed a 30-days STA for this testing.<sup>2</sup>

Intelsat 16 is permanently licensed to operate at 76.2° W.L. with a different beam coverage than the beam coverage proposed herein.<sup>3</sup> The satellite’s Ku-band beam will be biased in order to achieve the new coverage. Intelsat’s proposed operation of Intelsat 16 will conform to existing coordination agreements and the FCC’s rules governing operations vis-à-vis adjacent locations.

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<sup>1</sup> Intelsat has filed this STA request, an FCC Form 159, and a \$980.00 filing fee electronically via the International Bureau’s Filing System.

<sup>2</sup> See *Intelsat License LLC, 30-Day STA Request to Temporarily Operate Intelsat 16 With a New Coverage Area (Call Sign S2750)*, File No. SAT-STA-20181127-00085 (filed Nov. 27, 2018).

<sup>3</sup> See *Policy Branch Information: Actions Taken*, Report No. SAT-01334, File No. SAT-MOD-20180424-00029 (July 27, 2018) (Public Notice).

**Intelsat US LLC**

7900 Tysons One Place, McLean, VA 22102-5972 USA [www.intelsat.com](http://www.intelsat.com) T +1 703-559-6800

Ms. Marlene H. Dortch  
November 28, 2018  
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The temporary operation of Intelsat 16's Ku-band beam with a different coverage than authorized by its current license will help test a customer's service. Accordingly, grant of this STA request is in the public interest.

Sincerely,

*/s/ Cynthia J. Grady*

Cynthia J. Grady  
Senior Counsel  
Intelsat US LLC

Attachment

Cc: Stephen Duall  
Jay Whaley  
Cindy Spiers



### Exhibit A: Intelsat 16 Proposed Beam Coverage

