

S2750 SAT-STA-20181127-00085 IB2018010373
Intelsat License LLC
IS16



File # SAT-STA-20181127-00085

Call Sign S2750 Grant Date 12/12/18
(or other identifier)

From 12/17/18 Term Dates period of
To: 30 days

Approved: Stephen J. Duall

Approved by OMB
3060-0678

Date & Time Filed: Nov 27 2018 5:47:58:570PM
File Number: SAT-STA-20181127-00085
Callsign:

Stephen J. Duall
Chief, Satellite Policy Branch

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

1. Applicant


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

ATTACHMENT TO GRANT
Intelsat License LLC
IBFS File No. SAT–STA–20181127–00085

IBFS File No(s):	SAT–STA–20181127–00085	<p>GRANTED – With Conditions</p>  <p>International Bureau Satellite Division</p>
Licensee/Grantee:	Intelsat License LLC	
Call Sign:	S2750	
Satellite Name:	Intelsat 16	
Orbital Location: (required station-keeping tolerance)	76.2° W.L. (+/- 0.05 degrees east/west)	
Administration:	United States of America	
Nature of Service:	Telemetry, Tracking and Command (TT&C); Fixed Satellite Service (FSS)	
Scope of Grant:	Special temporary authority for a period of 30 days to operate Ku-band beam over a new coverage area.	
Service Area(s):	See Exhibit A.	
Frequencies:	11.7–12.2 GHz (space-to-Earth) 14.0–14.5 GHz (Earth-to-space) ¹ TT&C Center Frequencies: 13997.5 MHz and 14499.5 MHz (Earth-to-space) 12198.25 MHz and 12198.75 MHz (space-to-Earth)	
<p>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:</p> <ol style="list-style-type: none"> 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. Intelsat shall cease operations immediately upon notification of such interference and inform the Commission in writing immediately of such an event. 3. 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. 4. 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. 		
<p>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.</p> <p>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.</p> <p>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).</p>		

¹ 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
Intelsat License LLC
IBFS File No. SAT-STA-20181127-00085

Action Date:	December 12, 2018	
Term Dates	From: December 17, 2018	To: period of 30 days
Approved:	 Stephen J. Duall Chief, Satellite Policy Branch	

2. Contact

Name:	Cynthia J. Grady	Phone Number:	703-559-6949
Company:	Intelsat US LLC	Fax Number:	703-559-8538
Street:	7900 Tysons One Place	E-Mail:	cynthia.grady@intelsat.com
City:	McLean	State:	VA
Country:	USA	Zipcode:	22102 -5972
Attention:		Relationship:	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 30 days, commencing December 17, 2018, 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 27, 2018

Ms. Marlene H. Dortch
Secretary
Federal Communications Commission
445 12th 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”)¹ for 30 days, commencing December 17, 2018, 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 will also be filing a 180-days STA for this testing.

Intelsat 16 is permanently licensed to operate at 76.2° W.L. with a different beam coverage than the beam coverage proposed herein.² 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.

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

² See *Policy Branch Information; Actions Taken*, Report No. SAT-01334, File No. SAT-MOD-20180424-00029 (July 27, 2018) (Public Notice).

Ms. Marlene H. Dortch
November 27, 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,

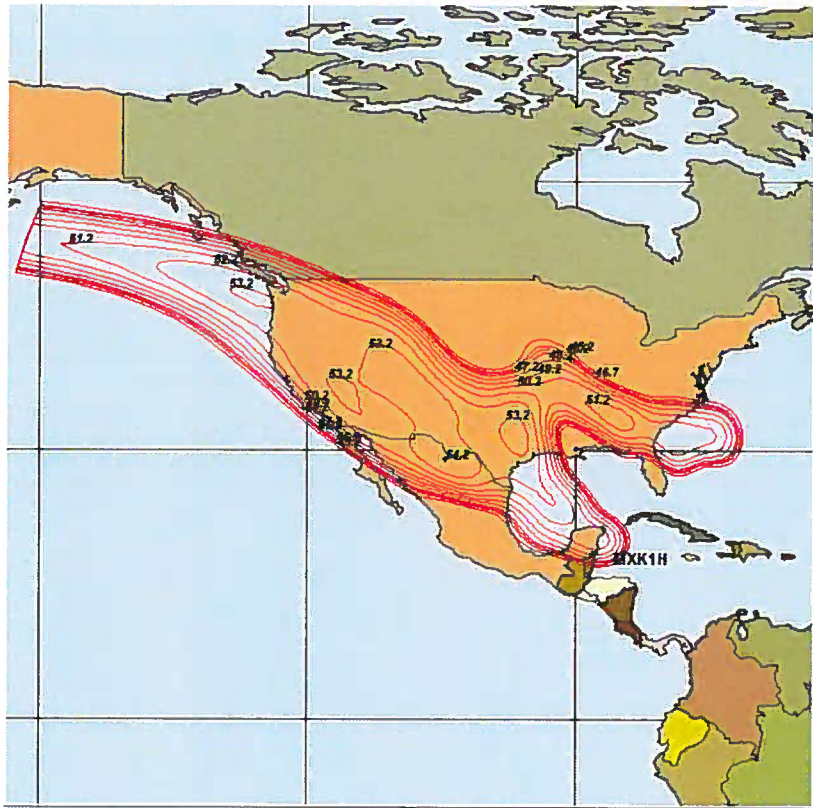
/s/ Cynthia J. Grady

Cynthia J. Grady
Senior Counsel
Intelsat US LLC

Attachment

Cc: Stephen Duall
Jay Whaley
Cindy Spiers

Exhibit A: Intelsat 16 Proposed Beam Coverage



Intelsat 16 @ 283.8°E

Ku-Band Mexico H1

Transmit Coverage

Beam Pointing: 1.67°E 2.06°W
Rotation Angle: 0.00°CW

Contours EIRP [dBW]

Contours	EIRP [dBW]
Beam Peak (0.0)	54.2
-1.0	53.2
-2.0	52.2
-3.0	51.2
-4.0	50.2
-5.0	49.2
-6.0	48.2
-7.0	47.2
-7.5	46.7
-8.0	46.2
-9.0	45.2

Beam Edge EIRP values from IESS-410 Rev 5B.
Nominal Beam Peak EIRP and contour values
(dB from B.E.) derived from ACP 102 Rev 6.10.