

S2750

SAT-STA-20140502-00046

IB2014000875

Intelsat License LLC  
Intelsat 16



\*with conditions

File # SAT-STA-20140502-00046

Call Sign S2750 Grant Date 07/16/14

(or other identifier)

Term Dates period of  
From 07/16/14 To: 180 days

Approved by OMB  
3060-0678

Approved: Stephen J. Duall

Stephen J. Duall  
Chief, Satellite Policy Branch

Date & Time Filed: May 2 2014 3:31:57:333PM  
File Number: SAT-STA-20140502-00046  
Callsign:

FEDERAL COMMUNICATIONS COMMISSION  
APPLICATION FOR SPACE STATION SPECIAL TEMPORARY AUTHORITY.

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APPLICANT INFORMATION

Enter a description of this application to identify it on the main menu:  
Request for STA to Drift and Operate Intelsat 16 at 76.0 W.L., Call Sign S2750

1. Applicant

<b>Name:</b>	Intelsat License LLC	<b>Phone Number:</b>	202-944-7848
<b>DBA Name:</b>		<b>Fax Number:</b>	202-944-7870
<b>Street:</b>	c/o Intelsat Corporation 3400 International Drive, N.W.	<b>E-Mail:</b>	susan.crandall@intelsat.com
<b>City:</b>	Washington	<b>State:</b>	DC
<b>Country:</b>	USA	<b>Zipcode:</b>	20008 -3006
<b>Attention:</b>	Susan H. Crandall		

**Intelsat License LLC**  
**IBFS File No. SAT-STA-20140502-00046**  
**Call Sign S2750**

The application of Intelsat License LLC (Intelsat) for special temporary authority, IBFS File No. SAT-STA-20140502-00046, is GRANTED. Intelsat is authorized, for a period of 180 days, commencing July 16, 2014, to continue to provide Fixed-Satellite Service (FSS) via the Intelsat 16 space station (Call Sign S2750) at the 76.0° W.L. orbital location in the 11.7-12.2 GHz (space-to-Earth) and 14.0-14.5 GHz (Earth-to-space) frequency bands. Intelsat is also authorized, on a temporary basis, to conduct Telemetry, Tracking, and Command (TT&C) operations necessary to maintain the Intelsat 16 at 76.0° W.L. using the following center frequencies: 14499.5 MHz and 13997.5 MHz (Earth-to-space); 12198.25 MHz and 12198.75 MHz (space-to-Earth). Operations under this authorization must be in accordance with the terms and conditions contained in Intelsat's application and the Federal Communications Commission's rules, and are subject to the following conditions:

1. All operations under this grant of special temporary authority must be on an unprotected and non-harmful interference basis, i.e., Intelsat must not cause harmful interference to, and must not claim protection from interference caused to it by, any other lawfully operating radiocommunication system.
2. In the event of any harmful interference as a result of the operations under this grant of special temporary authority, Intelsat must cease operations immediately upon notification of such interference and must immediately inform the Commission, in writing, of such an event.
3. Intelsat must operate only the TT&C frequencies on Intelsat 16 during the space station's drift from the 79° W.L. orbital location to the 76.0° W.L. orbital location.
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 76.0° W.L. orbital location in compliance with all existing or future coordination agreements for this location.
6. While at the 76.0° W.L. orbital location, Intelsat must maintain the Intelsat 16 space station with an east/west longitudinal station-keeping tolerance of +/- 0.05 degrees.
7. Any action taken or expense incurred as a result of operations pursuant to this grant of special temporary authority is at Intelsat's own risk.
8. 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.



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(or other identifier)

Term Dates period of  
From 07/16/14 To: 180 days

Approved: Stephen J. Duall  
Stephen J. Duall  
Chief, Satellite Policy Branch

2. Contact

<b>Name:</b>	Susan H. Crandall	<b>Phone Number:</b>	202-944-7848
<b>Company:</b>	Intelsat Corporation	<b>Fax Number:</b>	202-944-7870
<b>Street:</b>	3400 International Drive, N.W.	<b>E-Mail:</b>	susan.crandall@intelsat.com
<b>City:</b>	Washington	<b>State:</b>	DC
<b>Country:</b>	USA	<b>Zipcode:</b>	20008 -3006
<b>Attention:</b>	Susan H. Crandall	<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  
76.0 W.L.

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 August 10, 2014, to drift Intelsat 16 (S2750) from 79.0 W.L. to 76.0 W.L. and to operate the satellite temporarily at 76.0 W.L.

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  
Susan H. Crandall

11. Title of Person Signing  
Assoc. General Counsel, Intelsat Corporation

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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**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.**

May 2, 2014

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 Drift Intelsat 16 to, and Operate at, 76.0° W.L.; 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 August 10, 2014, to drift Intelsat 16 (S2750) from 79.0° W.L. to 76.0° W.L. and to operate the satellite temporarily at 76.0° W.L. During the drift to 76.0° W.L. and once the satellite is on-station, Intelsat will operate the following TT&C frequencies: 13997.5 MHz, 14499.5 MHz, 12198.25 MHz, and 12198.75 MHz. On-station at 76.0° W.L., Intelsat will operate Intelsat 16 in the 14000 – 14500 MHz and 11700 – 12200 MHz frequency bands.<sup>2</sup> Intelsat seeks this STA in order to meet the temporary demands of its customers – SKY Mexico and SKY Brazil.

Intelsat currently operates Intelsat 16 at 79.0° W.L. pursuant to STA.<sup>3</sup> Subject to receipt of FCC approval, Intelsat expects Intelsat 16 to be on-station at 76.0° W.L. by the end of August 2014.

Intelsat will operate Intelsat 16 at 76.0° W.L. on a non-interference/non-protected basis. As the Commission is aware, DIRECTV Enterprises, LLC ("DIRECTV") currently holds the license to operate in Ku-band at 76.0° W.L. ("DIRECTV KU-76W License").<sup>4</sup> DIRECTV fully supports this request to allow Intelsat 16 temporarily to operate at 76.0° W.L.

The Intelsat 16 drift is expected to take approximately 10 days and Intelsat expects the satellite to be on-station at 76.0° W.L. by the end of August 2014. The drift will be coordinated with all operators of co-frequency satellites in the

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<sup>1</sup> Intelsat has filed this STA request, an FCC Form 159 and an \$860.00 filing fee electronically via the International Bureau's Filing System.

<sup>2</sup> Although Intelsat 16 also includes the bands 12750-13250 MHz, 13750-14000 and 10700-11450 MHz, Intelsat is not seeking authority to operate in these bands in this request.

<sup>3</sup> See *Policy Branch Information; Actions Taken*, Report No. SAT-00979, File No. SAT-STA-20130905-00112 (Nov. 8, 2013) (Public Notice)

<sup>4</sup> See *Policy Branch Information; Actions Taken*, Report No. SAT-00943, File No. SAT-LOA-20121101-00190 (Apr. 19, 2013).

Ms. Marlene H. Dortch  
May 2, 2014  
Page 2

drift path. In the unlikely event that harmful interference occurs, Intelsat will take all necessary steps to eliminate the interference.

Intelsat has assessed and limited the probability of the space station becoming a source of debris as a result of collisions with large debris or other operational space stations. Intelsat 16 will not be located at the same orbital location as another satellite or at an orbital location that has an overlapping station-keeping volume with another satellite.

Further, with the exception of the DIRECTV KU-76 License, Intelsat is not aware of any other FCC licensed system, or any other system applied for and under consideration by the FCC, having an overlapping station-keeping volume with Intelsat 16 at 76.0° W.L. Finally, Intelsat is not aware of any system that has an overlapping station-keeping volume with Intelsat 16 at 76.0° W.L. that is the subject of an ITU filing and that is either in orbit or progressing towards launch.

The temporary operation of Intelsat 16 at 76.0° W.L. will help satisfy customer demand at that location. Grant of this STA request will not create any gap in service. Accordingly, grant of this STA request is in the public interest.

For the reasons set forth herein, Intelsat respectfully requests that the Commission expeditiously grant this request.

Sincerely,



Susan H. Crandall  
Associate General Counsel

Intelsat Corporation

Cc: Stephen Duall  
Jay Whaley  
Cindy Spiers

May 9, 2014

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



Re: Supplement to Request for Special Temporary Authority to Drift  
Intelsat 16 to 76.0° W.L. (Call Sign S2750)  
File No. SAT-STA-20140502-00046

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein supplements its above referenced request for Special Temporary Authority ("STA") for 180 days ("180-day STA Request") to seek authority commencing immediately upon grant, rather than on August 10, 2014 as originally requested.

At the time Intelsat filed the 180-day STA Request, it had planned to begin drifting the satellite on August 10, 2014. Intelsat has since revised the drift plan for this satellite, however, and now seeks to begin drifting it to 76.0° W.L. on June 10, 2014. Intelsat yesterday filed a 30-day STA request seeking authority beginning June 10, 2014.<sup>1</sup> In light of this development, Intelsat herein amends the pending 180-day STA Request to seek authority commencing immediately upon grant. Intelsat continues to seek the longer 180-day authority in order to cover Intelsat 16's anticipated stay at 76.0° W.L.

Please direct any further questions regarding this STA request to the undersigned at (202) 944-7848.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Susan H. Crandall".

Susan H. Crandall  
Associate General Counsel  
Intelsat Corporation

cc: Stephen Duall  
Jay Whaley  
Cindy Spiers

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<sup>1</sup> See *Intelsat License LLC Request for Special Temporary Authority*, File No. SAT-STA-20140508-00049 (filed May 8, 2014).