

S2750 SAT-STA-20140430-00043 IB2014000868  
Intelsat License LLC  
Intelsat 16



File # SAT-STA-20140430-00043

Call Sign S2750 Grant Date 06/25/14

(or other identifier)

Term Dates

From 05/05/14

To: 06/10/14

Approved by OMB  
3060-0678

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

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

\* with conditions

Date & Time Filed: Apr 30 2014 5:44:07:270PM  
File Number: SAT-STA-20140430-00043  
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 Extension of STA to Operate Intelsat 16 at 79 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-20140430-00043**  
**Call Sign S2750**

The application of Intelsat License LLC (Intelsat) for special temporary authority, IBFS File No. SAT-STA-20140430-00043, is GRANTED. Intelsat is authorized, for a period of 36 days,<sup>1</sup> commencing May 5, 2014, to continue to conduct Telemetry, Tracking, and Command (TT&C) operations with the Intelsat 16 space station (Call Sign S2750) necessary to maintain the space station at the 79.0° W.L. orbital location using the following center frequencies: 14.4995 GHz and 13.9975 GHz (Earth-to-space); 12.19825 GHz and 12.19875 GHz (space-to-Earth). Intelsat is also authorized, on a temporary basis, to provide Fixed-Satellite Service (FSS) via Intelsat 16 at the 79.0° W.L. orbital location in the 11.7–12.2 GHz (space-to-Earth) and 13.75–14.5 GHz (Earth-to-space) frequency bands. 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. 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.
2. Intelsat must maintain full operational control of the Intelsat 16 space station at all times.
3. While at the 79.0° E.L. orbital location, Intelsat must maintain the Intelsat 16 space station with an east/west longitudinal station-keeping tolerance of +/- 0.05 degrees.
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 coordinate the operations of Intelsat 16 with existing geostationary space stations to ensure that no unacceptable interference results from its operations at the 79.0° E.L. orbital location.
6. Intelsat must operate Intelsat 16 at the 79.0° E.L. orbital location in accordance with any existing coordination agreements for this location.
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.

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<sup>1</sup> Intelsat has been operating its Intelsat 16 space station at the 79.0° W.L. orbital location pursuant to a grant of special temporary authority (STA). *See Policy Branch Information; Actions Taken*, Report No. SAT-00979, IBFS File No. SAT-STA-20130905-00112 (Nov. 8, 2013) (Public Notice). The instant application requests an extension of that STA, for 120 days, from May 5, 2014 through September 1, 2014. *See* IBFS File No. SAT-STA-20140430-00043. Intelsat filed a subsequent application, however, requesting an STA for 30 days to drift Intelsat 16 from the 79.0° W.L. orbital location to the 76.0° W.L. orbital location, commencing on June 10, 2014. *See* IBFS File No. SAT-STA-20140508-00049 (granted Jun. 6, 2014). Under these circumstances, we grant the instant STA request for a period of 36 days, which covers the period from the commencement of the instant STA, May 5, 2014, until the commencement of the STA to drift Intelsat 16 to the 76.0° W.L. orbital location, June 10, 2014.

**Intelsat License LLC**  
**IBFS File No. SAT-STA-20140430-00043**  
**Call Sign S2750**

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.

 <b>GRANTED*</b> International Bureau *with conditions	<b>File #</b> <u>SAT-STA-20140430-00043</u>
	<b>Call Sign</b> <u>S2750</u> <b>Grant Date</b> <u>06/25/14</u> (or other identifier)
	<b>Term Dates</b> <b>From</b> <u>05/05/14</u> <b>To:</b> <u>06/10/14</u>
	<b>Approved:</b> <u>Stephen J. Duall</u> 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 SATMSC2013121200145 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  
79.0 W.L.

7. Requested Extended Expiration Date  
2014-09-01 00:00:00.0

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 an additional 120 days, from May 5, 2014 through September 1, 2014, of the Special Temporary Authority previously granted Intelsat to operate Intelsat 16 temporarily at 79.0 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).

**FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT**

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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.**

April 30, 2014

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



Re: Request for Extension of Special Temporary Authority to Operate  
Intelsat 16 at 79.0° W.L.; Call Sign: S2750

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests an additional 120 days—from May 5, 2014 through September 1, 2014—of the Special Temporary Authority ("STA")<sup>1</sup> previously granted Intelsat to operate Intelsat 16 (S2750) temporarily at 79.0° W.L.<sup>2</sup> At 79.0°W.L., Intelsat will continue to operate the following TT&C frequencies: 13997.5 MHz, 14499.5 MHz, 12198.25 MHz, and 12198.75 MHz, as well as the following communications payload frequencies: 13750 – 14500 MHz and 11700 – 12200 MHz frequency bands.<sup>3</sup> Intelsat seeks this STA extension to continue meeting the temporary demands of its customers – SKY Mexico and SKY Brazil. Intelsat currently expects to redeploy Intelsat 16 to a different location in August of this year, subject to receipt of FCC approval.

Intelsat will continue to operate Intelsat 16 at 79.0° 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 79.0° W.L. ("DIRECTV KU-79W License").<sup>4</sup> DIRECTV fully supports this extension request to allow Intelsat 16 to continue operating temporarily at 79.0° W.L.

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

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

<sup>3</sup> Although Intelsat 16 also includes the bands 12750-13250 MHz and 10700-11450 MHz, Intelsat is not seeking authority to operate in these bands in this request.

<sup>4</sup> See *Application of DIRECTV Enterprises, LLC*, File Nos. SAT-LOA-20120316-00051 and SAT-AMD-20120420-00071 (stamp grant issued July 12, 2012).

Ms. Marlene H. Dortch  
April 30, 2014  
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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-79 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 79.0° W.L. Finally, Intelsat is not aware of any system that has an overlapping station-keeping volume with Intelsat 16 at 79.0° 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 79.0° W.L. will continue to satisfy customer demand at that location. As noted above, grant of this STA extension request will not create any gap in service or leave licensed frequencies unused at the nominal 58.0° W.L. orbital location. Accordingly, grant of this STA extension 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