

S2750 SAT-STA-20130905-00112 IB2013001933
Intelsat License LLC
Intelsat 16



File # SAT-STA-20130905-00112
Call Sign S2750 Grant Date 11/06/13
(or other identifier)
Term Dates period of 180 days
From 11/06/13 To:
Approved: *Stephen J. Duall*
Stephen J. Duall
Chief, Satellite Policy Branch

Approved by OMB
3060-0678

Date & Time Filed: Sep 5 2013 10:37:57:416AM
File Number: SAT-STA-20130905-00112
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 180-Day STA to Drift and Operate Intelsat 16 (Call Sign S2750)


I. Applicant

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

Intelsat License LLC
IBFS File No. SAT-STA-20130905-00112
Call Sign S2750

The application of Intelsat License LLC (Intelsat) for special temporary authority, IBFS File No. SAT-STA-20130905-00112, is GRANTED. Intelsat is authorized, for a period of 180 days, commencing November 6, 2013, 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 14.0-14.5 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.
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.

 GRANTED* International Bureau *with conditions	File # <u>SAT-STA-20130905-00112</u>
	Call Sign <u>S2750</u> Grant Date <u>11/06/13</u> (or other identifier)
	Term Dates From <u>11/06/13</u> To: <u>period of 180 days</u>
	Approved: <u>Stephen J. Duall</u> Stephen J. Duall Chief, Satellite Policy Branch
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2. Contact

Name:	Jennifer D Hindin	Phone Number:	202-719-4975
Company:		Fax Number:	
Street:	1776 K Street, NW	E-Mail:	jhindin@wileyrein.com
City:	Washington	State:	DC
Country:	USA	Zipcode:	20006 -
Attention:	Jennifer D Hindin	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
79.0 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 immediately upon grant, to drift Intelsat 16 (S2750) from 58.1 W.L. to 79.0 W.L. and to operate the satellite 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
Asst. General Counsel, Intelsat Corporation

12. Please supply any need attachments.

Attachment 1: Narrative

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.

September 5, 2013

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



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

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests grant of Special Temporary Authority ("STA")¹ for 180 days, commencing immediately upon grant, to drift Intelsat 16 (S2750) from 58.1° W.L. to 79.0° W.L. and to operate the satellite temporarily at 79.0° W.L.² During the drift to 79.0° 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 79.0° W.L, Intelsat will operate the communications payload of Intelsat 16 in the 14000–14500 MHz and 11700–12200 MHz frequency bands.³ Intelsat seeks this STA in order to meet the temporary demands of its customer—SKY Mexico. For the reasons set forth below, grant of this STA request will not create any gap in service at the nominal 58.0° W.L. orbital location.

Intelsat currently operates Intelsat 16 at 58.1° W.L.,⁴ where it is collocated with Intelsat 21. At 58.1° W.L., Intelsat 16 serves as an in-orbit spare. Intelsat expects Intelsat 16 to operate at 79.0° W.L. for no longer than the 180-day period requested herein.

Intelsat will operate Intelsat 16 at 79.0° W.L. on a non-interference/non-protected basis. As the Commission is aware, DIRECTV Enterprises, LLC

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

² Intelsat concurrently is filing a 30-day STA request to begin drifting the satellite on September 13, 2013. Intelsat will file a request for extension of drift authority as needed for the satellite to complete the drift and arrive on station at 79.0° W.L.

³ Although Intelsat 16 also includes the bands 12750-13250 MHz, 13750-14000 MHz and 10700-11450 MHz, Intelsat is not seeking authority to operate in these bands in this request.

⁴ See *Policy Branch Information; Actions Taken*, Report No. SAT-00610, File No. SAT-LOA-20080416-00085 (June 5, 2009) (Public Notice).

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(“DIRECTV”) currently holds the license to operate in Ku-band at 79.0° W.L. (“DIRECTVKU-79W License”).⁵

DIRECTV fully supports this request to allow Intelsat 16 temporarily to operate at 79.0° W.L. for the benefit of its affiliate, SKY Mexico.

The Intelsat 16 drift is expected to take approximately 53 days and Intelsat expects the satellite to be on-station at 79.0° W.L. by early November 2013. The drift will be coordinated with all operators of co-frequency satellites in the 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 DIRECTVKU-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 help satisfy customer demand at that location. As noted above, grant of this STA request will not create any gap in service at the nominal 58.0° W.L. orbital location. 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,

/s/ Susan H. Crandall

Susan H. Crandall
Assistant General Counsel
Intelsat Corporation

c: Stephen Duall, Jay Whaley, Cindy Spiers

⁵ See *Application of DIRECTV Enterprises, LLC*, File Nos. SAT-LOA-20120316-00051 and SAT-AMD-20120420-00071 (stamp grant issued July 12, 2012).