

S2382 SAT-STA-20130614-00084 IB2013001265  
Intelsat License LLC  
INTELSAT 10



File # SAT-STA-20130614-00084

Call Sign S2382 Grant Date 06/27/13  
(or other identifier)

From 06/20/13 Term Dates period of To: 60 days

Approved by OMB  
3060-0678

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

Date & Time Filed: Jun 14 2013 3:17:09:956PM  
File Number: SAT-STA-20130614-00084  
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 Special Temporary Authority to Drift and Operate Intelsat 10, Call Sign S2382

I. 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-20130614-00084**  
**Call Sign: S2382**

The application of Intelsat License LLC (Intelsat) for special temporary authority, IBFS File No. SAT-STA-20130614-00084, is GRANTED. Specifically, Intelsat is authorized, for a period of 60 days, commencing on June 20, 2013, to continue to conduct telemetry, tracking, and command operations necessary to maintain the Intelsat 10 space station (Call Sign S2382) at the 47.5° E.L. orbital location, using the 12.7475 GHz and 12.7485 GHz (space-to-Earth) and 14.0005 GHz and 14.4995 GHz (Earth-to-space) frequencies. Intelsat is also authorized, on a temporary basis, to provide Fixed-Satellite Service (FSS) via Intelsat 10 at the 47.5° E.L. orbital location in the 3700-4200 MHz (space-to-Earth), 5925-6425 MHz (Earth-to-space), 11.45-11.70 GHz (space-to-Earth), 12.25-12.75 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, the Federal Communications Commission's rules not waived herein, 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 10 space station at all times.
3. While at the 47.5° E.L. orbital location, Intelsat must maintain the Intelsat 10 space station with an east/west longitudinal station-keeping tolerance of +/- 0.05 degrees.
4. This authorization is issued with the understanding that, to the extent Intelsat and its affiliated companies, pursuant to any arrangement with the German Administration, conforms its operations to any parameters agreed to in coordination agreements between the German Administration and other Administrations, responsibility for both compliance with, and enforcing compliance with, those arrangements and agreements is a matter that would arise under private law.
5. The United States remains the licensing administration of the Intelsat 10 space station and its communications payloads for purposes of International Telecommunication Union (ITU) Radio Regulation 18.1 and is the administration responsible for the operations of Intelsat 10. The U.S. Administration will not object to use of the Intelsat 10 satellite by the German Administration for claiming bringing into use or continuing the use of orbital assignments at 47.5° E.L. This grant does not in any way express a view concerning, or agreement as to, the validity or lack of validity of any ITU filing at or within the vicinity of the 47.5° E.L. orbital location.
6. 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.
7. Intelsat's use of the 11.45-11.7 GHz bands is subject to footnote US211 to the United States Table of Frequency Allocations, 47 C.F.R. § 2.106, US211, which urges applicants

**Intelsat License LLC**  
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for airborne or space station assignments to take all practicable steps to protect radio astronomy observations in the adjacent bands from harmful interference, consistent with footnote US74.

8. Intelsat's operation of the Intelsat 10 space station in the 11.45-11.7 GHz band is limited to international operations in accordance with footnote NG 104 to the United States Table of Frequency Allocations, 47 C.F.R. § 2.106, NG 104, and footnote 2 of Section 25.202(a)(1) of the Commission's rules, 47 C.F.R. § 25.202(a)(1).

9. Use of the 12.25-12.70 GHz frequency band is not authorized in International Telecommunication Union (ITU) Region 2.

10. Use of the 12.70-12.75 GHz frequency band is not authorized for FSS in the space-to-Earth direction in ITU Region 2.


11. Grant of this authorization is without prejudice to any decision regarding Intelsat's ability to file an application for authorization to operate a replacement space station in the 12.25-12.50 GHz frequency band at the 68.5° E.L. orbital location.<sup>1</sup> Grant of this authorization does not constitute an announcement that this frequency is available for reassignment.

12. Grant of this authorization does not constitute a finding pursuant to Section 25.161(c) of the Commission's rules.

13. Grant of this authorization is without prejudice to any action on IBFS File No. SAT-MOD-20130322-00052.

14. 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.

15. 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-20130614-00084</u>
	<b>Call Sign</b> <u>S2382</u> <b>Grant Date</b> <u>06/27/13</u> (or other identifier)
	<b>Term Dates</b> <b>period of</b> <b>From</b> <u>06/20/13</u> <b>To:</b> <u>60 days</u>
	<b>Approved:</b> <u>Stephen J. Dwall</u> Stephen J. Dwall Chief, Satellite Policy Branch

<sup>1</sup> Intelsat is authorized to operate the Intelsat 20 space station (Call Sign S2847) at the 68.5° E.L. orbital location on the same frequencies that were used by Intelsat 10 before its departure from that orbital location, except for the 12.25-12.50 GHz frequency band. See IBFS File No. SAT-LOA-20111024-00208, granted July 26, 2012.

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 SATMOD2013032200052 or Submission ID	
4a. Is a fee submitted with this application?	
<input checked="" type="radio"/> If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114). <input type="radio"/> Governmental Entity <input type="radio"/> Noncommercial educational licensee <input type="radio"/> Other (please explain):	
4b. Fee Classification    CRY – Space Station (Geostationary)	
5. Type Request	
<input type="radio"/> Change Station Location <input checked="" type="radio"/> Extend Expiration Date <input type="radio"/> Other	
6. Temporary Orbit Location	7. Requested Extended Expiration Date 2013-08-18 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 60 days, through August 18, 2013, of the Special Temporary Authority originally granted Intelsat to operate to drift Intelsat 10 (call sign S2382) from 68.5 E.L. to 47.5 E.L., and to operate it at that location in the C- and Ku-bands pursuant to the ITU filings of the German Administration.

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: 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.**

June 14, 2013

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



Re: Request for Extension of Special Temporary Authority to  
Drift and Operate Intelsat 10  
Call Sign S2382

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests an additional 60 days—through August 18, 2013—of the Special Temporary Authority (“STA”)<sup>1</sup> originally granted Intelsat to operate to drift Intelsat 10 (call sign S2382) from 68.5° E.L. to 47.5° E.L., and to operate it at that location in the C- and Ku-bands pursuant to the ITU filings of the German Administration.<sup>2</sup> Intelsat has a pending application for modification of the Intelsat 10 license to allow for its permanent operation at 47.5° E.L.<sup>3</sup>

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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-00919, File No. SAT-STA-20121022-00186 (Dec. 14, 2012) (Public Notice). Intelsat incorporates herein by reference the description of Europe\*Star Gesellschaft Fur Satellitenkommunikation mbH (“Europe\*Star”), the entity that holds the authorization to operate at 47.5° E.L., set forth on page 2 of its STA request, File No. SAT-STA-20110715-00129. Intelsat further incorporates by reference the New Slot Usage Agreement between Europe\*Star and PanAmSat Europe, as well as Europe\*Star’s authorization from the German Administration to operate at the 47.5° E.L. orbital location, that previously were filed with the FCC. See *Policy Branch Information; Actions Taken*, Report No. SAT-00476, File No. SAT-STA-20061102-00128 (Oct. 12, 2007) (Public Notice) (granting STA request to drift Intelsat 601 from 63.65° E.L. to 47.5° E.L.).

<sup>3</sup> See *Policy Branch Information; Satellite Space Station Applications Accepted for Filing*, Report No. SAT-00944, File No. SAT-MOD-20130322-00052 (Apr. 26, 2013) (Public Notice).

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June 14, 2013  
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Intelsat 10 currently is on-station at 47.5° E.L., where it will continue operating in the following TT&C frequencies:

Uplink:

14000.5 MHz (RHCP)  
14499.5 MHz (H)

Downlink:

12747.5 MHz (H and RHCP)  
12748.5 MHz (H and RHCP)

Intelsat will continue to utilize the following communications payload frequencies:

3700-4200 MHz  
5925-6425 MHz

14.0-14.5 GHz  
11.45-11.7 GHz  
12.25-12.75 GHz

Grant of this STA extension request is in the public interest because it will allow Intelsat to meet customer demand at 47.5° E.L.

Grant of this STA extension request will not result in increased risk of harmful interference. At 47.5° E.L., Intelsat will operate the communications payload in conformance with Germany's coordination agreements related to that location or on a non-interference, non-protected basis.

Intelsat has assessed and limited the probability of the space station becoming a source of debris as a result of collision with large debris or other operational space stations. Intelsat 10 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, 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 10 at 47.5° E.L.



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Finally, Intelsat is not aware of any system with an overlapping station-keeping volume with Intelsat 10 at 47.5° E.L. that is the subject of an ITU filing and that is either in orbit or progressing towards launch.

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

Sincerely,

A handwritten signature in blue ink, appearing to read "Susan H. Crandall". The signature is stylized and cursive, with a large initial "S" and "C".

Susan H. Crandall  
Assistant General Counsel  
Intelsat Corporation

cc: Stephen Duall  
Jay Whaley  
Cindy Spiers