

S2387 SAT-STA-20110523-00094  
Intelsat License LLC  
GALAXY 15

IB2011001468

Date & Time Filed: May 23 2011 4:14:40:340PM  
File Number: SAT-STA-20110523-00094  
Callsign:



File # SAT- STA - 20110523- 00094  
Call Sign S2387 Grant Date 07/21/11  
(or other identifier)  
Term Dates period of 180 days  
From 07/21/11 To:

Approved by OMB  
3060-0678

Approved: *Stephen J. Dugan*  
Stephen J. Dugan  
Chief, Satellite Policy Branch

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 for Galaxy 15, Call Sign S2387

1. 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		

Attachment to Grant  
Intelsat License LLC  
IBFS File No. SAT-STA-20110523-00094


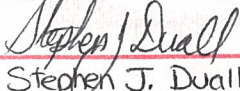
The application of Intelsat License LLC (formerly PanAmSat Licensee LLC)(Intelsat), IBFS File No. SAT-STA-20110523-00094, for special temporary authority to continue to operate its Galaxy 15 space station, Call Sign S2387, as an in-orbit spare at the 133.1° W.L. orbital location for a period of 180 days, IS GRANTED. Accordingly, Intelsat is authorized to operate the Galaxy 15 space station at the 133.1° W.L. orbital location as a non-transmitting (except for Telemetry, Tracking and Telecommand (TT&C) transmissions) in-orbit spare for the duration of this authorization. Intelsat is authorized is authorized to conduct TT&C operations using frequencies centered on 6420.5 MHz (Earth-to-space) and 4198.0 MH and 4199.875 MHz (space-to-Earth) to maintain the Galaxy 15 space station at 133.1° W.L. All operations of the Galaxy 15 space station must be in accordance with the technical specifications set forth in Intelsat's application, Federal Communication Commission (Commission) rules, and the conditions set forth below.

1. All operations shall be on an unprotected and non-harmful interference basis, *i.e.*, the Galaxy 15 space station shall 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 shall cease operations immediately upon notification of such interference, and shall inform the Commission, in writing, immediately of such an event.

2. Intelsat may activate the communications payloads for the Galaxy 15 space station in the 3700-4200 MHz (space-to-Earth) and 5925-6425 MHz (Earth-to-space) frequency bands in the event of a service outage of an operational space station.

3. In the event Intelsat activates the communications payload of the Galaxy 15 space station, Intelsat must notify the Commission, in writing, of such activation within three business days of the start of the activation.

4. This action is taken on delegated authority pursuant to 47 C.F.R. § 0.261 and is effective upon release. Petitions for reconsideration under 47 C.F.R. § 1.106 or applications for review under 47 C.F.R. § 1.115 may be filed within 30 days of the date of the Public Notice announcing this action.

 <b>GRANTED*</b> International Bureau *with conditions	<b>File #</b> SAT-STA-20110523-00094
	<b>Call Sign</b> S2387 <b>Grant Date</b> 07/21/11 (or other identifier)
	<b>Term Dates</b> period of <b>From</b> 07/21/11 <b>To:</b> 180 days
	<b>Approved:</b>  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?	
<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 2011-11-24 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, pursuant to Section 25.120 of the rules of the Federal Communications Commission, herein requests a 180-day extension of the Special Temporary Authority previously granted Intelsat to operate the Galaxy 15 satellite temporarily as in in-orbit spare at 133.1 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: 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.**

May 23, 2011

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



Re: Request for 180-day Extension of Special Temporary Authority to  
Operate Galaxy 15, Call Sign S2387  
File No. SAT-STA-20110209-00028

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”), pursuant to Section 25.120 of the rules of the Federal Communications Commission (“FCC” or “Commission”),<sup>1</sup> herein requests a 180-day extension of the Special Temporary Authority (“STA”)<sup>2</sup> previously granted Intelsat to operate the Galaxy 15 satellite temporarily as an in-orbit spare at 133.1° W.L.<sup>3</sup>

As the Commission is aware, on April 5, 2010, the Galaxy 15 satellite suffered an anomaly of unknown origin. Due to this anomaly, the satellite drifted outside of its authorized +/- 0.05° East/West station-keeping box pursuant to STA.<sup>4</sup>

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<sup>1</sup> 47 C.F.R. § 25.120.

<sup>2</sup> Intelsat has filed this STA request, an FCC Form 159 and an \$830.00 filing fee electronically via the International Bureau’s Filing System.

<sup>3</sup> See *Intelsat License LLC Request for Extension of Special Temporary Authority*, File No. SAT-STA-20110425-00076 (filed Apr. 27, 2011); *Policy Branch Information; Actions Taken*, Report No. SAT-00769, File No. SAT-STA-20110209-00028 (Apr. 1, 2011) (Public Notice).

<sup>4</sup> Intelsat has operated Galaxy 15 outside its permanently-licensed station-keeping box since April of last year. See *id.*; *Policy Branch Information; Actions Taken*, Report No. SAT-00755, File No. SAT-STA-20110127-00017 (Feb. 4, 2011) (Public Notice); *Policy Branch Information; Actions Taken*, Report No. SAT-00750, File No. SAT-STA-20101228-00268 (Jan. 14, 2011) (Public Notice); *Policy Branch Information; Actions Taken*, Report No. SAT-00741, File No. SAT-STA-20101129-00248 (Dec. 3, 2010) (Public Notice); *Policy Branch Information; Actions Taken*, Report No. SAT-00735, File No. SAT-STA-20101029-00227 (Nov. 5, 2010) (Public Notice); *Policy Branch Information; Actions Taken*, Report No. SAT-00727, File No. SAT-STA-20100929-00203 (Oct. 8, 2010) (Public Notice); *Policy Branch Information;*

On December 23, 2010, Galaxy 15 lost Earth lock, all power drained from its battery, and the command unit reset, as it was designed to do.<sup>5</sup> Shortly thereafter, Galaxy 15 began accepting commands and Intelsat began receiving telemetry from the satellite. The satellite initially was placed in Sun acquisition mode for diagnostic testing. On December 27, 2010, after the spacecraft's batteries were fully charged and the satellite was thermally balanced, Galaxy 15 was placed in Earth acquisition mode.

Subsequently, Intelsat drifted the satellite to 93.0° W.L. where it was temporarily collocated with Intelsat's Galaxy 25 satellite, which operates at 93.10° W.L. Intelsat performed in-orbit testing of Galaxy 15 at 93.0° W.L. and determined that the satellite is operating nominally. In February, Intelsat began drifting Galaxy 15 to 133.1° W.L., where it is currently operating as an in-orbit spare collocated with Galaxy 12.

Intelsat plans eventually to transfer traffic from Galaxy 12 to Galaxy 15 and move Galaxy 12 to 129.0° W.L.<sup>6</sup> In order to accommodate certain customers that wish to refrain from moving back to Galaxy 15 until the satellite has experienced two eclipse seasons after control was regained, Intelsat plans to keep Galaxy 12 and Galaxy 15 collocated until after the fall eclipse, which ends in mid-October. Following the fall eclipse, and subject to receipt of FCC

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*Actions Taken*, Report No. SAT-00720, File No. SAT-STA-20100830-00185 (Sep. 10, 2010) (Public Notice); *Policy Branch Information; Actions Taken*, Report No. SAT-00715, File No. SAT-STA-20100803-00172 (Aug. 13, 2010) (Public Notice); *Policy Branch Information; Actions Taken*, Report No. SAT-00706, File No. SAT-STA-20100628-00149 (Jul. 9, 2010) (Public Notice); *Policy Branch Information; Actions Taken*, Report No. SAT-00698, File No. SAT-STA-20100601-00118 (Jun. 11, 2010) (Public Notice); *Policy Branch Information; Actions Taken*, Report No. SAT-00687, File No. SAT-STA-20100430-00087 (rel. May 7, 2010); *Policy Branch Information; Actions Taken*, Report No. SAT-00682, File No. SAT-STA-20100409-00071 (Apr. 16, 2010) (Public Notice).

<sup>5</sup> The satellite's communications payload had earlier shut off as a result of power loss.

<sup>6</sup> Intelsat has a pending waiver request to retain its authority to operate a satellite at the 129.0° W.L. location. *See Policy Branch Information; Satellite Space Applications Accepted for Filing*, Report No. SAT-00714, File No. SAT-STA-20100628-00160 (Aug. 27, 2010).

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May 23, 2011  
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approval, Intelsat plans to transition customers back onto Galaxy 15<sup>7</sup> and subsequently drift Galaxy 12 to 129.0° W.L.

While at 133.1° W.L., Intelsat will continue to utilize only the satellite's TT&C frequencies unless the satellite's communications payload is needed in the event of emergency.

The TT&C frequencies are:

6420.5 MHz (V) and 6420.5 MHz (RHC) (uplink)  
4198.0 MHz (H), 4199.875 (H), 4198.0 (LHC), and 4199.875 (LHC)  
(downlink)

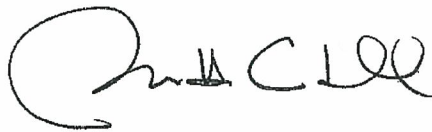
The communications frequencies are:

3700-4200 MHz (space-to-Earth)  
5952-6425 MHz (Earth-to-space)

Grant of this STA request is in the public interest because it will allow Galaxy 15 to continue operating temporarily as an in-orbit spare until it is placed back into primary service at 133.0° W.L. as planned. To the extent necessary, Intelsat asks that the waiver previously granted Intelsat to operate Galaxy 15 outside its permanently licensed station-keeping box at 133.0° W.L. be continued.<sup>8</sup>

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

Sincerely,



Susan H. Crandall  
Assistant General Counsel  
Intelsat Corporation

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<sup>7</sup> Traffic transfer will occur with both satellites located at 133.0° W.L. Intelsat will seek authority to move Galaxy 15 from 133.1° W.L. to 133.0° W.L. prior to the time traffic transfer will occur.

<sup>8</sup> See *supra* note 4.



Ms. Marlene H. Dortch  
May 23, 2011  
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cc: Robert Nelson  
Karl Kensinger  
Kathym Medley  
Stephen Duall