

S2387 SAT-STA-20101228-00268 IB2010003979
PanAmSat Licensee Corp.
Galaxy 15

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File Number: SAT-STA-20101228-00268
Callsign:

File # SAT-STA-20101228-00268

Call Sign S2387 Grant Date 01/07/11
(or other identifier)

Term Dates period of 30 days
From 01/03/11 To:

Approved: Stephen J. Duall
Chief, Satellite Policy Branch

Approved by OMB
3060-0678



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 Further Extension of Special Temporary Authority for Galaxy 15, Call Sign S2387


1. Applicant

Name:	PanAmSat Licensee Corp.	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
IBFS File No. SAT-STA-20101228-00268
Call Sign S2387
January 7, 2011

The request of PanAmSat Licensee Corp. (PanAmSat) for special temporary authority for a period of 30 days, commencing January 3, 2011, to conduct telemetry, tracking, and telecommand (TT&C) operations with the Galaxy 15 space station (Call Sign S2387) outside the +/-0.05° east/west station-keeping box previously authorized for Galaxy 15 is granted.¹ Specifically, PanAmSat is authorized to conduct TT&C using the following frequencies: 6420.5 MHz (V) and 6420.5 MHz (RHC) (Earth-to-space); 4198.0 MHz (H), 4199.875 MHz (H), 4198.0 MHz (LHC) and 4199.875 MHz (LHC) (space-to-Earth). This authorization shall be in accordance with the technical specifications set forth in PanAmSat's application, Federal Communication Commission (Commission) rules, and the following conditions:

1. PanAmSat is required to accept interference from other lawfully operating space stations or radio communications systems.
2. In the event of any harmful interference to other lawfully operating space stations or radio communications systems, PanAmSat shall inform the Commission, in writing, immediately of such an event.
3. Any action taken or expense incurred as a result of operations pursuant to this special temporary authority is solely at PanAmSat's own risk.
4. 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- 201012 28- 00268</u>
	Call Sign <u>S2387</u> Grant Date <u>01/07/11</u> (or other identifier)
	Term Dates period of From <u>01/03/11</u> To: <u>30 days</u>
	Approved: <u>Stephen J. Duall</u> Stephen J. Duall Chief, Satellite Policy Branch

¹ See IBFS File No. SAT-AMD-20021029-00199 (granted Aug. 11, 2004).

2. Contact	
Name:	Susan H. Crandall
Company:	c/o Intelsat Corporation
Street:	3400 International Drive, N.W.
City:	Washington
Country:	USA
Attention:	Susan H. Crandall
Phone Number:	202-944-7848
Fax Number:	202-944-7870
E-Mail:	susan.crandall@intelsat.com
State:	DC
Zipcode:	20008 -3006
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?	
<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	
2011-02-01 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.)

PanAmSat Licensee Corp., pursuant to Section 25.120 of the rules of the Federal Communications Commission, herein requests an additional 30 days, from January 3, 2011 through February 1, 2011, of the Special Temporary Authority previously granted PanAmSat to conduct TT&C operations on the Galaxy 15 satellite (call sign S2387) outside of the +/-

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).

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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.

8. Description

PanAmSat Licensee Corp., pursuant to Section 25.120 of the rules of the Federal Communications Commission, herein requests an additional 30 days, from January 3, 2011 through February 1, 2011, of the Special Temporary Authority previously granted PanAmSat to conduct TT&C operations on the Galaxy 15 satellite (call sign S2387) outside of the +/- 0.05 East/West station-keeping box pursuant to a waiver of Section 25.210(j) of the rules of the Commission.

December 28, 2010

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



Re: Request for Further Extension of Special Temporary Authority for
Galaxy 15, Call Sign S2387

Dear Ms. Dortch:

PanAmSat Licensee Corp. ("PanAmSat"), pursuant to Section 25.210 of the rules of the Federal Communications Commission ("FCC" or "Commission"),¹ herein requests an additional 30 days, from January 3, 2011 through February 1, 2011, of the Special Temporary Authority ("STA")² previously granted PanAmSat to conduct Telemetry, Tracking and Command (TT&C) operations on the Galaxy 15 satellite (call sign S2387) outside of the +/- 0.05° East/West station-keeping box pursuant to a waiver of Section 25.210(j) of the Commission's rules.³

¹ 47 C.F.R. § 25.210.

² PanAmSat has filed this STA request, an FCC Form 159 and an \$830.00 filing fee electronically via the International Bureau's Filing System.

³ 47 C.F.R. § 25.210(j). *See 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; Actions Taken*, Report No. SAT-00720, File No. SAT-STA-20100830-00185 (Sep. 10, 2010) (Public Notices); *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).

As PanAmSat previously has informed the International Bureau (“Bureau”) staff, 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.⁴

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.⁵ Shortly thereafter, Galaxy 15 began accepting commands and PanAmSat 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.

Currently, Galaxy 15 is located at approximately 98.8° W.L. PanAmSat is drifting the satellite to 93.0° W.L. where it will be collocated with Galaxy 25, which is operated at 93.10° W.L. by PanAmSat’s sister company, Intelsat North America LLC. Subject to receipt of separate FCC approval, PanAmSat plans to perform in-orbit testing at 93.0° W.L. to determine the functionality of every aspect of Galaxy 15.⁶ PanAmSat expects to have Galaxy 15 on-station

⁴ See *Policy Branch Information; Actions Taken*, Report No. SAT-00735, File No. SAT-STA-20101029-00227 (Nov. 5, 2010) (Public Notice); *Actions Taken*, Report No. SAT-00727, File No. SAT-STA- 20100929-00203 (Oct. 8, 2010); *Actions Taken*, Report No. SAT-00720, File No. SAT-STA- 20100830-00185 (Sep. 10, 2010) (Public Notices); See *Policy Branch Information; Actions Taken*, Report No. SAT-00715, File No. SAT-STA-20100803-00172 (Aug. 13, 2010) (Public Notice); See *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 (May 7, 2010); *Policy Branch Information; Actions Taken*, Report No. SAT-00682, File No. SAT-STA-20100409-00071 (Apr. 16, 2010) (Public Notice).

⁵ The satellite’s communications payload had earlier shut off as a result of power loss.

⁶ PanAmSat expects shortly to file an STA request to test the satellite’s communications payload at 93.0° W.L. All testing will be done in such a way so as to protect existing C-band services on Galaxy 25. Assuming a successful

at 93.0° W.L. on or about January 29, 2011.⁷ During the duration of this STA extension period, PanAmSat will utilize only the satellite's TT&C frequencies⁸; the communications frequencies will not be utilized unless separately authorized.

Grant of this STA further extension request is in the public interest. The Commission may grant waiver for good cause shown.⁹ The Commission typically grants a waiver where the particular facts make strict compliance inconsistent with the public interest.¹⁰ In granting a waiver, the Commission may take into account considerations of hardship, equity, or more effective implementation of overall policy on an individual basis.¹¹ Waiver is therefore appropriate if special circumstances warrant a deviation from the general rule, and such a deviation will serve the public interest.

Good cause exists in this case based on hardship. Due to the technical anomaly on the Galaxy 15 satellite, PanAmSat was unable to comply with the requirements of Section 25.210(j) of the Commission's rules. Now that PanAmSat is able to command the satellite, it will continue to take all practicable steps to coordinate the safe drift of Galaxy 15 to 93.0° W.L. and ensure its safe station-keeping at that location, including coordinating with all operators in the drift path. As noted above, PanAmSat will not utilize the satellite's communications frequencies until it has received separate authorization to do so.

outcome to the testing, PanAmSat expects subsequently to move Galaxy 15 to either 133° W.L. or 129° W.L.

⁷ Once the satellite is on-station, PanAmSat will perform station-keeping maneuvers to reduce its inclination and place it in the required +/- .05 station-keeping box.

⁸ The specific TT&C frequencies are: 6424.5 MHz (V) and 6424.5 MHz (RHC) (uplink) and 4198.0 MHz (H), 4199.875 (H), 4198.0 (LHC), and 4199.875 (LHC) (downlink).

⁹ 47 C.F.R. § 1.3.

¹⁰ *N.E. Cellular Tel. Co. v. FCC*, 897 F.2d 1164, 1166 (D.C. Cir. 1990) ("*Northeast Cellular*").

¹¹ *WAIT Radio v. FCC*, 418 F.2d 1153, 1159 (D.C. Cir. 1969); *Northeast Cellular* 897 F.2d at 1166.

Ms. Marlene H. Dortch
December 28, 2010
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For the reasons set forth herein, Intelsat respectfully requests that the Commission expeditiously grant this STA further extension request.

Sincerely,

/s/ Susan H. Crandall

Susan H. Crandall
Assistant General Counsel
Intelsat Corporation

cc: Robert Nelson
Karl Kensinger
Kathryn Medley
Stephen Duall

December 30, 2010



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

Re: PanAmSat Licensee Corp., Request for Further Extension of Special
Temporary Authority for Galaxy 15, Call Sign S2387, IBFS File No.
SAT-STA-20101228-00268

Dear Ms. Dortch:

PanAmSat Licensee Corp. ("PanAmSat") herein supplements the above-referenced application for special temporary authority ("STA") to conduct Telemetry, Tracking and Command ("TT&C") operations on the Galaxy 15 satellite (call sign S2387) outside of the +/- 0.05° East/West station-keeping box pursuant to a waiver of Section 25.210(j) of the Commission's rules.¹

In the pending application, PanAmSat stated that it expected to have Galaxy 15 on-station at 93.0° W.L. on or about January 29, 2011. PanAmSat updates this application to report that it now expects to be on-station at 93.0° W.L. on or about January 15, 2011.

Please contact the undersigned with any questions.

Sincerely,

/s/ Susan H. Crandall

Susan H. Crandall
Assistant General Counsel
Intelsat Corporation

cc: Robert Nelson
Karl Kensinger
Kathryn Medley
Stephen Duall

¹ See *PanAmSat Licensee Corp., Request for Further Extension of Special Temporary Authority for Galaxy 15, Call Sign S2387, IBFS File No. SAT-STA-20101228-00268* (filed Dec. 28, 2010).