

S2387 SAT-STA-20110107-00007
PanAmSat Licensee Corp.
Galaxy 15

IB2011000071

Date & Time Filed: Jan 7 2011 5:13:31:516PM
File Number: SAT-STA-20110107-00007
Callsign:

File # SAT-STA-20110107-00007

Call Sign S2387 Grant Date 01/14/11

(or other identifier)

Term Dates period of

From 01/15/11 To: 14 days

Approved: Stephen J Duall

Stephen J Duall
Chief, Satellite Policy Branch

Approved by OMB
3060-0678



FEDERAL COMMUNICATIONS COMMISSION
APPLICATION FOR SPACE STATION SPECIAL TEMPORARY AUTHORITY

FOR OFFICIAL USE ONLY

APPLICANT INFORMATION

Enter a description of this application to identify it on the main menu:
Request for 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-20110107-00007
Call Sign S2387
January 14, 2011

The request of PanAmSat Licensee Corp. (PanAmSat) for special temporary authority (STA), IBFS File No. SAT-STA-20110107-00007, IS GRANTED. Accordingly, PanAmSat is authorized, for a period of 14 days commencing January 15, 2011, to operate the communications payload on the Galaxy 15 space station (Call Sign S2387) in the 3700-4200 MHz (space-to-Earth) and 5952-6425 MHz (Earth-to-space) frequency bands at the 93.0° W.L. orbital location for the purposes of in-orbit testing. This authorization is granted in accordance with the terms, conditions, and technical specifications set forth in PanAmSat's application, the Commission's rules, and is subject to the following conditions:

1. All operations shall be on an unprotected and non-harmful interference basis, *i.e.*, PanAmSat shall not cause harmful interference to, and shall not claim protection from interference caused to it by, any other lawfully operating radiocommunication system.
2. In the event of any harmful interference as a result of the operations of the Galaxy 15 space station during in-orbit testing at the 93.0° W.L. orbital location, PanAmSat shall cease operations immediately upon notification of such interference and shall immediately inform the Commission, in writing, of such an event.
3. During in-orbit testing, PanAmSat shall perform station-keeping maneuvers to operate the Galaxy 15 satellite within an east/west longitudinal station-keeping tolerance of ± 0.05 degrees of the 93.0° W.L. orbital location.
4. Operations of the Galaxy 15 space station at the 93.0° W.L. orbital location are limited to in-orbit testing and shall not include any provision of commercial services.
5. Any action taken or expense incurred as a result of operations pursuant to this STA is at PanAmSat's own risk.
6. 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-20110107-00007</u>
	Call Sign <u>S2387</u> Grant Date <u>01/14/11</u>
	(or other identifier)
	Term Dates <u>period of</u> From <u>01/15/11</u> To: <u>14 days</u>
	Approved: <u>Stephen J. Duall</u> Stephen J. Duall Chief, Satellite Policy Branch

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 checked="" type="radio"/> Change Station Location <input type="radio"/> Extend Expiration Date <input type="radio"/> Other	
6. Temporary Orbit Location 93.0 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.)

PanAmSat Licensee Corp. herein requests Special Temporary Authority for 14 days, from January 15, 2011 through January 28, 2011, to operate the communications payload on Galaxy 15 at 93.0 W.L. for purposes of testing to determine the functionality of every aspect of the satellite.

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

The public reporting for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the required data, and completing and reviewing the collection of information. If you have any comments on this burden estimate, or how we can improve the collection and reduce the burden it causes you, please write to the Federal Communications Commission, AMD-PERM, Paperwork Reduction Project (3060-0678), Washington, DC 20554. We will also accept your comments regarding the Paperwork Reduction Act aspects of this collection via the Internet if you send them to PRA@fcc.gov. PLEASE DO NOT SEND COMPLETED FORMS TO THIS ADDRESS.

Remember – You are not required to respond to a collection of information sponsored by the Federal government, and the government may not conduct or sponsor this collection, unless it displays a currently valid OMB control number or if we fail to provide you with this notice. This collection has been assigned an OMB control number of 3060-0678.

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.

January 7, 2011

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



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

Dear Ms. Dortch:

PanAmSat Licensee Corp. ("PanAmSat") herein requests Special Temporary Authority ("STA")¹ for 14 days, from January 15, 2011 through January 28, 2011, to operate the communications payload on Galaxy 15 at 93.0° W.L. for purposes of testing to determine the functionality of every aspect of the satellite.

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.²

¹ PanAmSat has filed this STA request, an FCC Form 159 and an \$830.00 filing fee electronically via the International Bureau's Filing System.

² See *Intelsat North America LLC Request for Further Extension of Temporary Authority*, File No. SAT-STA-20101228-00268 (stamp grant issued by Stephen J. Duall, with conditions, on Jan. 7, 2011); *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); *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); *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).

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.³ 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 drifting 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.⁴ PanAmSat expects to have Galaxy 15 on-station at 93.0° W.L. on or about January 15, 2011,⁵ where it plans immediately to begin in-orbit testing the satellite's communications payload as requested herein.

The specific communications frequencies that will be utilized at 93.0° W.L. are as follows:

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

Intelsat will coordinate the planned in-orbit testing of Galaxy 15 with all operators of satellites operating co-frequency up to six degrees away from 93.0° W.L. Specifically, Intelsat will coordinate the proposed testing with StarOne, which operates Brazilsat B2 at 92.0° W.L.; Inmarsat, which operates Inmarsat 4F3 at 98.1° W.L.; and SES AMERICOM, Inc., which operates AMC-3 at 87.0° W.L. In addition, Intelsat has internally coordinated the proposed testing with the following of its satellites: Galaxy 25 (call sign S2154) at 93.10° W.L., Galaxy 3C (call sign S2381) at 95.05° W.L., Galaxy 19 (call sign S2647) at 97.0° W.L., Galaxy 16 (call sign S2687) at 99.0° W.L., Galaxy 17 (call sign S2715) at 91.0° W.L., and Galaxy 28 (call sign S2160) at 89.0° W.L. In the unlikely event that harmful interference occurs, Intelsat will take all necessary steps to eliminate the interference.

³ The satellite's communications payload had earlier shut off as a result of power loss.

⁴ See *Intelsat North America LLC Request for Further Extension of Temporary Authority*, File No. SAT-STA-20101228-00268 (filed Dec. 28, 2010). The STA further extension request includes authority to operate the satellite's TT&C frequencies on-station at 93.0° W.L.

⁵ 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.

Ms. Marlene H. Dortch
January 7, 2011
Page 3

Grant of this STA request will allow Intelsat to assess the health of Galaxy 15 following the loss and subsequent recovery of ability to command the satellite. Assuming a successful outcome to the testing, this will in turn help Intelsat return the satellite to commercial operation at either 129° W.L or 133° W.L., thereby serving the public interest.

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

Sincerely,

A handwritten signature in black ink, appearing to read 'Susan H. Crandall', written in a cursive style.

Susan H. Crandall
Assistant General Counsel
Intelsat Corporation

cc: Robert Nelson
Karl Kensinger
Kathryn Medley
Stephen Duall