

Date & Time Filed: Apr 23 2008 11:44:05:976AM  
File Number: SAT-STA-20080423-00090  
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 STA to Conduct IOT of Galaxy 18 at 123.15 W.L.

1. Applicant

<b>Name:</b>	PanAmSat Licensee Corp.	<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		



w/candies

File # SAT-STA-20080423-00090

Call Sign \_\_\_\_\_ Grant Date May 16, 2008  
(or other identifier)

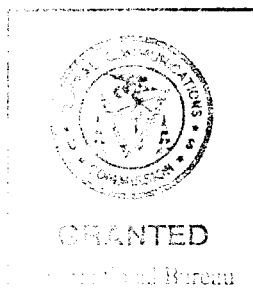
Term Dates  
From May 26, 2008 To: + 30 days

Approved: [Signature]  
Policy Branch Chief

**Attachment**  
**(Call Sign: S2733)**  
**File No. SAT-STA-20080423-00090**  
**May 16, 2008**

PanAmSat Licensee Corp.'s (PanAmSat) request, File No. SAT-STA-20080423-00090, for special temporary authority to conduct in-orbit testing of the Galaxy 18 satellite (Call Sign: S2733) at the 123.15° W.L. orbital location IS GRANTED. Accordingly, PanAmSat is authorized, for a period of 30 days, commencing May 26, 2008, to operate the Galaxy 18 satellite at the 123.15° W.L. orbital location in the 3700-4200 MHz (space-to-Earth) and 5925-6425 MHz (Earth-to-space) conventional C-band frequencies and in the 14.0-14.5 GHz (Earth-to-space) and 11.7-12.2 GHz (space-to-Earth) conventional Ku-band and to conduct space station Telemetry, Tracking, and Control (TT&C) operations necessary to effect operation at the 123.15° W.L. orbital location, 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 PanAmSat's operations at the 123.15° W.L. orbital location, PanAmSat shall cease operations immediately upon notification of such interference and shall inform the FCC, in writing, immediately of such an event.
3. While at the 123.15° W.L. orbital location, PanAmSat shall maintain the Galaxy 18 spacecraft with an east/west longitudinal station-keeping tolerance of 0.05 degrees.
4. Any actions taken as a result of operation of Galaxy 18 at 123.15° W.L. orbital location are solely at PanAmSat's own risk.
5. 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. Petitions for reconsideration under Section 1.106 or applications for review under Section 1.115 of the Commission's rules, 47 C.F.R. §§ 1.106, 1.115, may be filed within 30 days of the date of the public notice indicating that these actions were taken.



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00090  
Call Sign S2733 Grant Date May 16, 2008  
(or other identifier)  
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From May 26, 2008 To: +30 days  
Approved: [Signature]  
Policy Branch Chief

April 23, 2008

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



Re: Request for Special Temporary Authority to Conduct In-Orbit Testing of Galaxy 18; Call Sign: S2733

Dear Ms. Dortch:

PanAmSat Licensee Corp. ("PanAmSat") herein requests a grant of Special Temporary Authority ("STA")<sup>1</sup> for 30 days, from May 26, 2008 through June 24, 2008, to conduct in-orbit testing ("IOT") of Galaxy 18 (S2733) at 123.15° W.L. in the bands 5925-6425 MHz, 3700-4200 MHz, 14000-14500 MHz and 11700-12200 MHz before drifting the satellite to its permanent licensed location of 123.0° W.L.<sup>2</sup> Galaxy 18 currently is tentatively scheduled to be launched on May 21, 2008, and will replace Galaxy 10R, which will be de-orbited after traffic transfer. In support of its request, PanAmSat submits the following information.

During in-orbit testing of Galaxy 18, PanAmSat will operate in the conventional C- and Ku-bands. PanAmSat is in the process of coordinating the planned in-orbit testing of Galaxy 18 with all operators of satellites operating co-frequency up to six degrees away from 123.15° W.L. Specifically, PanAmSat is coordinating with EchoStar Corp., operator of the EchoStar 9 satellite located at 121° W.L., and with Telesat Canada Inc., operator of the Anik F3 satellite located at 118.7° W.L. Additionally, PanAmSat has coordinated the proposed Galaxy 18 IOT transmissions internally in order to ensure that the transmissions of nearby PanAmSat and Intelsat North America LLC spacecraft -- specifically, Galaxy 13 at 127.0° W.L., Galaxy 14 at 125.0° W.L., Galaxy 12 at 125.1° W.L. (TT&C), and Galaxy 23 at 121.0° W.L. -- are protected. PanAmSat has tailored the Galaxy 18 IOT so as to minimize the disruption to the existing transmissions of Galaxy 10R at 123.0° W.L. In the unlikely event that harmful interference occurs, PanAmSat will take all necessary steps to eliminate the interference.

<sup>1</sup> PanAmSat has filed this STA request, an FCC Form 159 and a \$790.00 filing fee electronically via the International Bureau's Filing System.

<sup>2</sup> See *Policy Branch Information; Actions Taken*, Report No. SAT-00477, File No. SAT-RPL-20070222-00035 (Oct. 26, 2007) (Public Notice).

Ms. Marlene H. Dortch  
April 23, 2008  
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PanAmSat 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. Galaxy 18 will not be located at the same orbital location as another satellite or at an orbital location that has an overlapping stationkeeping volume with another satellite.<sup>3</sup> Further, PanAmSat is not aware of any other FCC licensed system, or any other system applied for and under consideration by the FCC, having an overlapping stationkeeping volume with Galaxy 18. Finally, PanAmSat is not aware of any system with an overlapping stationkeeping volume with Galaxy 18 that is the subject of an ITU filing and that is either in orbit or progressing towards launch.

The in-orbit testing of Galaxy 18 at 123.15° W.L. is a critical step in ensuring that the satellite will be fully operational at 123.0° W.L. This, in turn, will ensure continuity of services at the 123.0° W.L. location, and thereby promotes the public interest.

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

Sincerely,



Susan H. Crandall  
Assistant General Counsel

Intelsat Corporation

Cc: Robert Nelson  
Karl Kensinger  
Andrea Kelly

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<sup>3</sup> Given the delay in Galaxy 18's launch, PanAmSat is considering moving Galaxy 12 from 125.1° W.L. to 123.1° W.L. to ensure continuity of C-band services at the nominal 123.0° W.L. location. In the event that PanAmSat decides to do so, it will explain, in its STA request to move Galaxy 12, its plans to ensure safe stationkeeping of both Galaxy 18 and Galaxy 12 at the nominal 123° W.L. location.

2. Contact	
<b>Name:</b> PanAmSat Licensee Corp.	<b>Phone Number:</b> 202-944-7848
<b>Company:</b>	<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 type="radio"/> Extend Expiration Date <input checked="" type="radio"/> Other	
6. Temporary Orbit Location 123.15 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 a grant of STA for 30 days, from 05/26/2008 through 06/24/2008, to conduct in-orbit testing of Galaxy 18 at 123.15 W.L. in the bands 5925-6425 MHz, 3700-4200 MHz, 1400-14500 MHz, and 11700-12200 MHz before drifting the satellite to its permanent licensed location of 123.0 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: 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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