



File # SAT-STA-20090825-00093

Call Sign S2785 Grant Date 11/13/09

(or other identifier)

Term Dates period of
From 11/24/09 To: 30 days

Approved by OMB
3060-0678

Date & Time Filed: Aug 25 2009 5:05:41:070PM
File Number: SAT-STA-20090825-00093
Callsign:

*subject to conditions

Approved: Stephen J. Duall

Stephen J. Duall
Chief, 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 Special Temporary Authority to Conduct IOT of Intelsat 14 (S2785)

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		

PanAmSat Licensee Corp. (PanAmSat) is granted special temporary authority for a period of 30 days, commencing November 24, 2009, to conduct in-orbit testing (IOT) of the Intelsat-14 C-/Ku-band Geostationary Orbit (GSO) space station at the 47° W.L. orbital location and to drift Intelsat 14 from 47° W.L. to its assigned orbital location of 45° W.L. after completion of IOT operations. PanAmSat is authorized to use the 3700-4200 MHz (space-to-Earth) and 5925-6425 MHz (Earth-to-space) frequency bands and the 11.45-11.95 GHz (space-to-Earth) and 14.0-14.5 GHz (Earth-to-space) frequency bands for these operations. This authorization is granted in accordance with the terms, conditions, and technical specifications set forth in PanAmSat's application, the Federal Communication 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 Intelsat-14 during relocation or during operations at the 47° W.L. orbit location, PanAmSat shall cease operations immediately upon notification of such interference and shall inform the Commission, in writing, immediately of such an event.
3. PanAmSat's operations at 47° W.L. shall be limited solely to IOT operations and shall not include the provision of commercial services.
4. PanAmSat shall coordinate its IOT and TT&C operations to ensure that no unacceptable interference results from its IOT operations at 47° W.L. or from its TT&C operations during the drift of Intelsat 14 from 47° W.L. to its assigned orbital location at 45° W.L.
5. The operation of the Intelsat-14 space station in the 11.45-11.7 GHz band is limited in the United States to international operations in accordance with footnote NG104 to the U.S. Table of Frequency Allocations, 47 C.F.R. § 2.106 NG 104.
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 upon 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 this action was taken.



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conditions

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period of

Approved: _____

Stephen J. Duall
Stephen J. Duall
Chief, Policy Branch

2. Contact	
Name: PanAmSat Licensee Corp. Company: Street: c/o Intelsat Corporation 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 SATRPL2009012300007 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	7. Requested Extended Expiration Date

<p>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.)</p> <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p>PanAmSat Licensee Corp. herein requests a grant of Special Temporary Authority for 30 days, from 11/03/2009 through 12/02/2009, to conduct IOT of Intelsat 14, call sign S2785, at 47.0 W.L. in the bands 5925-6425 MHz, 3700-4200 MHz, 14000-14500 MHz, 11450-11700 MHz, and 11700-11950 MHz before drifting the satellite to its requested permanent location of</p> </div>					
<p>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.</p> <p style="text-align: right;"> <input checked="" type="radio"/> Yes <input type="radio"/> No </p>					
<p>10. Name of Person Signing Susan H. Crandall</p>	<p>11. Title of Person Signing Asst. General Counsel, Intelsat Corporation</p>				
<p>12. Please supply any need attachments.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Attachment 1: STA Request</td> <td style="width: 33%;">Attachment 2:</td> <td style="width: 33%;">Attachment 3:</td> </tr> </table>			Attachment 1: STA Request	Attachment 2:	Attachment 3:
Attachment 1: STA Request	Attachment 2:	Attachment 3:			
<p>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).</p>					

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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. herein requests a grant of Special Temporary Authority for 30 days, from 11/03/2009 through 12/02/2009, to conduct IOT of Intelsat 14, call sign S2785, at 47.0 W.L. in the bands 5925-6425 MHz, 3700-4200 MHz, 14000-14500 MHz, 11450-11700 MHz, and 11700-11950 MHz before drifting the satellite to its requested permanent location of 45.0 W.L.

August 25, 2009

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

Re: Request for Special Temporary Authority to Conduct In-Orbit Testing
of Intelsat 14; Call Sign: S2785

Dear Ms. Dortch:

PanAmSat Licensee Corp. ("PanAmSat") herein requests a grant of Special Temporary Authority ("STA")¹ for 30 days, from November 3, 2009 through December 2, 2009, to conduct in-orbit testing ("IOT") of Intelsat 14 (call sign S2785) at 47.0° W.L. in the bands 5925-6425 MHz, 3700-4200 MHz, 14000-14500 MHz, 11450-11700 MHz, and 11700-11950 MHz before drifting the satellite to its requested permanent location of 45.0° W.L.² Intelsat 14 currently is scheduled to be launched on October 29, 2009, and will replace Intelsat 1R, which will be redeployed after traffic transfer. In support of its request, PanAmSat submits the following information.

During in-orbit testing of Intelsat 14, PanAmSat will operate in the above referenced C- and Ku-bands. PanAmSat has coordinated the planned in-orbit testing of Intelsat 14 with all operators of satellites operating co-frequency up to six degrees away from 47.0° W.L. Specifically, PanAmSat has coordinated with the U.S. Air Force regarding its TDRS satellites located at 41° W.L., 46° W.L., and 49° W.L. Further, PanAmSat has internally coordinated the proposed testing with the following of its satellites: Intelsat 3R at 43.0° W.L. and 43.1° W.L.,³ Intelsat 11 at 43.0° W.L.,⁴ Intelsat 1R at 45° W.L., Intelsat

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

² See *Policy Branch Information; Satellite Space Applications Accepted for Filing*, Report No. SAT-00612, File No. SAT-RPL-20090123-00007 (June 19, 2009) (Public Notice). This application is pending. During the drift from 47.0° W.L. to 45.0° W.L., only the satellite's TT&C frequencies will be utilized.

³ Intelsat 3R has not yet moved from 43.0° W.L. to 43.1° W.L. See *Policy Branch Information; Actions Taken*, Report No. SAT-00619, File No. SAT-STA-20090129-00012 (July 24, 2009) (Public Notice).

⁴ See *Policy Branch Information; Actions Taken*, Report No. SAT-00617, File No. SAT-MOD-20090108-00004 (July 10, 2009) (Public Notice). The drift of Intelsat 11 from 43.1° W.L. to 43.0° W.L. has been completed.

Ms. Marlene H. Dortch
August 25, 2009
Page 2

705 at 50° W.L., and Intelsat 707 at 53° W.L. In the unlikely event that harmful interference occurs, PanAmSat will take all necessary steps to eliminate the interference.

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. Intelsat 14 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. 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 Intelsat 14. Finally, PanAmSat is not aware of any system with an overlapping stationkeeping volume with Intelsat 14 that is the subject of an ITU filing and that is either in orbit or progressing towards launch.

The in-orbit testing of Intelsat 14 at 47.0° W.L. is a critical step in ensuring that the satellite will be fully operational at 45.0° W.L. This, in turn, will ensure continuity of service at the 45.0° W.L. location, and thereby promotes the public interest. Conducting in-orbit testing at 47.0° W.L., rather than at 45.0° W.L., also minimizes the period of Intelsat 14's co-location with Intelsat 1R and thus promotes safe stationkeeping.

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
Kathryn Medley
Stephen Duall