

Approved by OMB
3060-0678

Date & Time Filed: Jan 10 2008 5:15:12:370PM
File Number: SAT-STA-20080110-00007
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:
STA Request to Drift Galaxy 17 to 73.95 W.L. and Temporarily Operate TT&C at 73.95 W.L.

I. 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		

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SAT-STA-20080110-00007

1/25/08

2/8/08

+ 30 days

A. L. Kelly
Policy Branch Chief

w/conditions

Attachment
IBFS File No. SAT-STA-20080110-00007
January 25, 2008

PanAmSat Licensee Corp.'s (PanAmSat) request, IBFS File No. SAT-STA-20080110-00007, IS GRANTED. Accordingly, PanAmSat is authorized to operate the Galaxy 17 satellite's (Call Sign: S2715) Tracking, Telemetry, and Command (TT&C) functions necessary to drift to and operate at the 73.95° W.L. orbital location for a period of 30 days commencing on February 8, 2008 using the following TT&C frequencies: 5925.5 MHz (left-hand-circular polarization), 6424.5 MHz (right-hand-circular polarization), 5925.5 MHz (horizontal polarization) and 6424.5 MHz (vertical polarization), for command operations; and 4197.125 MHz (horizontal polarization), 4197.125 MHz (left-hand-circular polarization), 4198.875 Mhz (horizontal polarization) and 4198.875 Mhz (right-hand-circular polarization), for telemetry operations. This authorization is subject to the terms, conditions, and technical specifications set forth in PanAmSat's application, this Attachment, and the Commission's rules:

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 station.
2. In the event of any harmful interference as a result of PanAmSat's operations at the 73.95° W.L. orbital location, PanAmSat shall cease operations immediately upon notification of such interference, and shall inform the Federal Communications Commission (FCC), in writing, immediately of such an event.
3. PanAmSat shall not operate the satellite's communications payload.
4. PanAmSat shall maintain the Galaxy 17 spacecraft at the 73.95° W.L. orbital location with an east/west longitudinal station-keeping tolerance of 0.05 degrees. *See* 47 C.F.R. §25.210(j).
5. PanAmSat shall operate the Galaxy 17 spacecraft at the 73.95° W.L. orbital location in compliance with all existing coordination agreements.
6. Any action taken or expense incurred as a result of operations pursuant to this special temporary authority is solely at PanAmSat's own risk.
7. 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 this action was taken.

File # <u>SAT-STA-20080110-00007</u>	
Call Sign _____ (or other identifier)	Grant Date <u>1/25/08</u>
From <u>2/8/08</u>	Term Dates To <u>+30 days</u>
Approved: <u>[Signature]</u> Policy Branch Chief	

w/conditions

2. Contact	
Name: PanAmSat Licensee Corp.	Phone Number: 202-944-7848
Company:	Fax Number: 202-944-7870
Street: c/o Intelsat Corporation	E-Mail: susan.crandall@intelsat.com
3400 International Drive, N.W.	
City: Washington	State: DC
Country: USA	Zipcode: 20008 -3006
Attention: Susan H Crandall	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 73.95 W.L.	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;"> <p>PanAmSat Licensee Corp. herein requests a grant of STA for 30 days beginning 02/08/08, to drift Galaxy 17 from 74.05 W.L. to 73.95 W.L. immediately following traffic transfer from Galaxy 17 to Horizons 2 at 74.05 W.L. and to temporarily operate Galaxy 17's TT&C frequencies at 73.95 W.L.</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%;"> <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.

January 10, 2008

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



Re: Request for Special Temporary Authority to Drift Galaxy 17 from
74.05° W.L. to 73.95° W.L. and Operate the Satellite's TT&C
Frequencies at 73.95° W.L.
Call Sign: S2715

Dear Ms. Dortch:

PanAmSat Licensee Corp. ("PanAmSat") herein requests a grant of Special Temporary Authority ("STA")¹ for 30 days beginning February 8, 2008, to drift Galaxy 17 from 74.05° W.L. to 73.95° W.L. immediately following traffic transfer from Galaxy 17 to Horizons 2 at 74.05° W.L. and to temporarily operate Galaxy 17's TT&C frequencies at 73.95° W.L. In support of its request, PanAmSat submits the following information.

PanAmSat is authorized to operate Galaxy 17 at 91° W.L.² PanAmSat currently plans to have Galaxy 17 replace Galaxy 11, which is operating at that location. Pursuant to FCC approval, PanAmSat temporarily operated Galaxy 17 for a short period of time at 81.0° W.L. immediately after launch.³ Also pursuant to FCC authority, PanAmSat has temporarily operated the satellite at 74.05° W.L.⁴

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

² See *Policy Branch Information; Actions Taken*, Report No. SAT-00439, File Nos. SAT-RPL-20061219-00155 and SAT-AMD-20070123-00013 (Apr. 27, 2007) (Public Notice).

³ See *Policy Branch Information; Actions Taken*, Report No. SAT-00439, File No. SAT-STA-20070308-00044 (Apr. 27, 2007) (Public Notice).

⁴ See *PanAmSat Licensee Corp. Request for Special Temporary Authority*, File No. SAT-STA-20070326-00056 (stamp grant issued June 22, 2007 by Andrea Kelly, Policy Branch Chief); *PanAmSat Licensee Corp. Request for Extension of Special Temporary Authority*, File No. SAT-STA-20071217-00177 (stamp grant issued Jan. 4, 2008 by Andrea Kelly, Policy Branch Chief).

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On December 21, 2007, Intelsat (PanAmSat's parent) successfully launched the Horizons 2 satellite, which is licensed to operate at 74.05° W.L.⁵ Horizons 2 is currently undergoing in-orbit testing at 67.5° W.L.⁶ Upon completion of in-orbit testing, Horizons 2 will drift to 74.05° W.L. and traffic from Galaxy 17 will be transferred to Horizons 2. Traffic transfer is expected to be completed on or about February 8, 2008.

After traffic transfer, and following receipt of FCC approval, PanAmSat plans to move Galaxy 17 to 73.95° W.L. and temporarily operate only the satellite's TT&C frequencies at that location rather than begin drifting the satellite to its permanent location of 91° W.L. for the following reason. PanAmSat's Galaxy 18, which is licensed to operate at 123° W.L., currently is expected to be launched on May 3, 2008 by Sea Launch. That launch date, however, may be delayed if the launches of the two satellites ahead of Galaxy 18 on the launch manifest are delayed. The satellite currently operating at 123° W.L. – Galaxy 10R – is low on fuel. If the launch of Galaxy 18 is delayed beyond the date that Galaxy 10R must be placed in inclined orbit operations, then PanAmSat will seek FCC authority to drift Galaxy 17 to 123° W.L. and temporarily operate it at that location in order to ensure continuity of station-kept service for customers currently on Galaxy 10R. However, because PanAmSat will not know whether Galaxy 17 is needed at 123° W.L. until after the satellite would arrive at 91° W.L. were it drifted directly to that location following traffic transfer, PanAmSat seeks to keep the satellite temporarily at 73.95° W.L. rather than risk having to stop the satellite at 91° W.L. and re-start it again to drift to 123° W.L., as such a stop/start would consume a large amount of fuel and thereby shorten the life of the satellite. In addition, PanAmSat is seeking to move Galaxy 17 to 73.95° W.L. to more easily ensure the safety of both Galaxy 17 and Horizons 2 while the satellites are collocated at the nominal 74.0° W.L. orbital location.

During the drift from 74.05° W.L. to 73.95° W.L., and while the satellite is temporarily located at 73.95° W.L., only the following TT&C frequencies will be operated on Galaxy 17: command frequencies 5925.5 MHz (LHCP), 6424.5 MHz (RHCP), 5925.5 MHz (H) and 6424.5 MHz (V); telemetry frequencies

⁵ See *PanAmSat Licensee Corp. Application to Modify License*, File No. SAT-MOD-20070628-00090 (stamp grant, with conditions, issued Nov. 30, 2007 by Andrea Kelly, Policy Branch Chief).

⁶ See *PanAmSat H-2 Licensee Corp. Request for Special Temporary Authority*, File No. SAT-STA-20071029-00147 (stamp grant issued Nov. 30, 2007 by Andrea Kelly, Policy Branch Chief).

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4197.125 MHz (H), 4197.125 MHz (LHCP), 4198.875 MHz (H) and 4198.875 (RHCP).

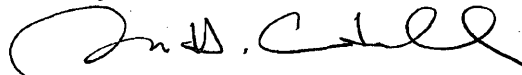
The satellites ahead of Galaxy 18 on the launch manifest are currently scheduled for launch in mid-January and early March. Thus, PanAmSat expects to know in early March whether it needs to deploy Galaxy 17 temporarily at 123° W.L. If Galaxy 17 is needed at 123° W.L., PanAmSat will immediately request STA to drift the satellite to – and temporarily operate it at – that location.

All operations of Galaxy 17 at 73.95° W.L. will be in conformance with relevant coordination agreements PanAmSat has reached with other administrations regarding operations at the nominal 74.0° W.L. location. In addition, PanAmSat will operate in accordance with the FCC's rules designed to allow co-frequency, co-coverage operations in a two-degree spaced environment. As a result of these efforts, PanAmSat's operation of Galaxy 17 at the 73.95° W.L. location poses no risk of harmful interference to adjacent operational satellites.

Grant of this STA request will serve the public interest by allowing PanAmSat to conserve Galaxy 17's fuel – and thus operational life – until PanAmSat determines whether the satellite is needed at 123° W.L. to ensure continuity of service as a result of a delay in the launch of Galaxy 18.

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

Sincerely,



Susan H. Crandall
Assistant General Counsel
Intelsat Corporation

cc: Robert Nelson
Andrea Kelly
Karl Kensinger
Jabin Vahora