

SAT-STA-20090210-00020 IB2009000400
PanAmSat Licensee Corp.

Approved by OMB
3060-0678

Date & Time Filed: Feb 10 2009 3:50:48:256PM
File Number: SAT-STA-20090210-00020
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 De-orbit the SBS-6 Satellite, Call Sign S2707

1. Applicant

Name:	PanAmSat Licensee Corp.	Phone Number:	202-944-7848
DBA Name:		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		



File # SAT-STA-20090210-00020
Call Sign S2707 Grant Date 02/12/09
(or other identifier) Term Dates period of
From 02/18/09 To: 30 days
Approved: Stephen J. Duall
Stephen J. Duall
Chief, Policy Branch

* subject to conditions

Attachment to Grant
PanAmSat Licensee Corp.
IBFS File No. SAT-STA-20090210-00020

The application of PanAmSat Licensee Corp. (PanAmSat) for special temporary authority, IBFS File No. SAT-STA-20090210-00020, IS GRANTED. Accordingly, PanAmSat is authorized for a period of 30 days commencing on February 18, 2009, to perform tracking, telemetry, and command (TT&C) functions with the SBS-6 satellite (Call Sign: S2707) to execute end-of-life maneuvers boosting the satellite to a disposal orbit above the geostationary arc in accordance with the terms, conditions, and technical specifications set forth in its application, the Commission's rules, and the following conditions:

1. PanAmSat shall coordinate all orbit raising maneuver TT&C operations with existing geostationary satellites to ensure that no unacceptable interference results from its TT&C operations during its disposal operations.
2. During the disposal operations, no harmful interference shall be caused by SBS-6 to any other lawfully operating space station or radio communications system and operations of the SBS-6 satellite shall cease immediately upon notification of such interference.
3. PanAmSat is required to accept interference from other lawfully operating space stations of radio communications systems.
4. Any action taken or expense incurred as a result of operations pursuant to this special temporary authority is solely at PanAmSat's own risk.
5. Within 30 days of completion of the end-of-life maneuvers, PanAmSat shall send a letter to the Chief, Satellite Division, International Bureau, indicating the apogee and perigee of the SBS-6 disposal orbit.



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From 02/18/09 To: 30 days

Approved: Stephen J. Duall

Stephen J. Duall
Chief, Policy Branch

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?			
☒ If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114).			
☐ Governmental Entity ☐ Noncommercial educational licensee			
☐ Other (please explain):			
4b. Fee Classification CRY - Space Station (Geostationary)			
5. Type Request			
☐ Change Station Location		☐ Extend Expiration Date ☒ Other	
6. Temporary Orbit Location		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. pursuant to Section 25.120 of the rules of the Federal Communications Commission, herein requests STA, beginning on 02/18/2009, and lasting for a period of thirty days, in order to de-orbit the SBS-6 satellite from its current location at 80.90 W.L. and to perform TT&C functions with SBS-6 during this maneuver.					
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. <table border="1" style="width: 100%;"> <tr> <td style="width: 50%;">Attachment 1: STA Request</td> <td style="width: 50%;">Attachment 2:</td> </tr> <tr> <td colspan="2">Attachment 3:</td> </tr> </table>		Attachment 1: STA Request	Attachment 2:	Attachment 3:	
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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February 10, 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 De-Orbit the SBS-6
Satellite, Call Sign S2707

Dear Ms. Dortch:

PanAmSat Licensee Corp. ("PanAmSat"), pursuant to Section 25.120 of the rules of the Federal Communications Commission ("FCC" or "Commission"),¹ herein requests Special Temporary Authority ("STA"), beginning on February 18, 2009, and lasting for a period of thirty days, in order to de-orbit the SBS-6 satellite (Call Sign S2707) from its current location at 80.90° W.L. and to perform telemetry, tracking and command ("TT&C") functions with SBS-6 during this maneuver.

Grant of this STA is in the public interest. The SBS-6 satellite was launched in October 1990 and has experienced recent health issues that have shortened its expected useful life. Accordingly, PanAmSat cannot redeploy the satellite as planned to 76.85° W.L.² and will instead de-orbit the satellite. All customers currently receiving service on SBS-6 will be relocated prior to the satellite being de-orbited.

PanAmSat intends to de-orbit the SBS-6 satellite to a perigee of at least 150 km above geosynchronous altitude. This perigee was selected based on PanAmSat's propellant accounting, recent experience with SBS-6's maneuver performance, and calculations of the current fuel situation. All remaining fuel will be used for de-orbiting maneuvers. If there is enough fuel left to do so, the SBS-6 satellite will be taken to a perigee higher than 150 km. As a satellite launched prior to March 18, 2002, the minimum perigee requirements for decommissioning set forth in Section 25.283(a) of the Commission's rules do not apply to SBS-6.³

¹ 47 C.F.R. § 25.120.

² See PanAmSat Licensee Corp., Modification of Authorization to Relocate SBS-6 from 80.90° W.L. to 76.85° W.L., File No. SAT-MOD-20081222-00236 (Dec. 22, 2008). PanAmSat intends to withdraw this application.

³ 47 C.F.R. § 25.283(d).

Ms. Marlene H. Dortch, Secretary
February 10, 2009
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The de-orbit of SBS-6 will not cause any significant risk of harmful interference to other satellites. During the de-orbit, the satellite's communications payload will remain inactive and only the TT&C payload will operate. PanAmSat requests authority to operate the following TT&C frequencies: 12.195 GHz and 12.198 GHz (telemetry downlink frequencies) and 14.003 GHz (command uplink frequencies). These frequencies will be coordinated and will operate on a non-interference basis.⁴

Finally, consistent with Section 25.283(c), upon completion of de-orbit maneuvers, all stored energy sources will be discharged by venting excess propellant, discharging batteries, relieving pressure vessels, and other appropriate measures.

For the reasons set forth herein, PanAmSat respectfully requests that the Commission expeditiously grant this request for special temporary authority to de-orbit the SBS-6 satellite.

Sincerely,



Susan H. Crandall
Assistant General Counsel
Intelsat Corporation

cc: Bob Nelson
Kathryn Medley
Stephen Duall

⁴ See 47 C.F.R. § 25.283(b).