

S2461 SAT-STA-20100205-00022 IB2010000503  
PanAmSat Licensee Corp.

Date & Time Filed: Feb 5 2010 12:31:51:203PM  
File Number: SAT-STA-20100205-00022  
Callsign:



File # SAT-STA-20100205-00022  
Call Sign S2461 Grant Date 03/08/10  
(or other identifier) Term Dates period of Approved by OMB  
From 01/31/10 To: 14 days 3060-0678  
Approved: Stephen J. Duall  
Stephen J. Duall  
Chief, Satellite 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 STA to Conduct Emergency Operations for Intelsat 4 S2461

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		

**Attachment to Grant  
PanAmSat Licensee Corp.  
IBFS File No. SAT-STA-20100205-00022  
Call Sign S2461**

The application of PanAmSat Licensee Corp. (PanAmSat) for special temporary authority, IBFS File No. SAT-STA-20100205-00022, IS GRANTED. Accordingly, PanAmSat is authorized for a period of 14 days commencing on January 31, 2010, to perform tracking, telemetry, and telecommand (TT&C) functions with the Intelsat 4 satellite, Call Sign S2461, 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 Intelsat 4 to any other lawfully operating space station or radio communications system and operations of the Intelsat 4 satellite shall cease immediately upon notification of such interference.
3. Intelsat 4 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 Intelsat 4 disposal orbit.



\*subject to  
conditions

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(or other identifier)

Term Dates period of  
From 01/31/10 To: 14 days

Approved: *Stephen J. Duall*  
Stephen J. Duall  
Chief, Satellite Policy Branch

<b>2. Contact</b>			
<b>Name:</b>	Susan H. Crandall	<b>Phone Number:</b>	202-944-7848
<b>Company:</b>	Intelsat Corporation	<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.)			
<b>3. Reference File Number or Submission ID</b>			
<b>4a. Is a fee submitted with this application?</b>			
<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):			
<b>4b. Fee Classification</b> CRY - Space Station (Geostationary)			
<b>5. Type Request</b>			
<input type="radio"/> Change Station Location		<input type="radio"/> Extend Expiration Date	
		<input checked="" type="radio"/> Other	
<b>6. Temporary Orbit Location</b>		<b>7. Requested Extended Expiration Date</b>	

<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., pursuant to Section 25.120 of the rules of the Federal Communications Commission, herein requests Special Temporary Authority, beginning January 31, 2010 and lasting for a period of 14 days, to conduct emergency operations for the Intelsat 4 satellite, Call Sign S2461.</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: center;"> <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: 50%;">Attachment 1: STA Request</td> <td style="width: 50%;">Attachment 2:</td> </tr> <tr> <td></td> <td>Attachment 3:</td> </tr> </table>		Attachment 1: STA Request	Attachment 2:		Attachment 3:
Attachment 1: STA Request	Attachment 2:				
	Attachment 3:				
<p style="text-align: center;">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.**

February 5, 2010

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 Emergency  
Operations for the Intelsat 4 Satellite, Call Sign S2461

Dear Ms. Dortch:

PanAmSat Licensee Corp. ("PanAmSat"), pursuant to Section 25.120 of the rules of the Federal Communications Commission ("FCC" or "Commission"),<sup>1</sup> herein requests Special Temporary Authority ("STA"), beginning January 31, 2010 and lasting for a period of 14 days, to conduct emergency operations for the Intelsat 4 satellite (Call Sign S2461).

As PanAmSat previously has informed the International Bureau ("Bureau") staff, on Sunday January 31, 2010 the Intelsat 4 satellite experienced an anomaly. PanAmSat was able, over the next few days, to command the satellite's thrusters and take the satellite to a distance above the station-keeping box of operational satellites. As PanAmSat has explained to the Bureau staff, the customer traffic on Intelsat 4 is in the process of being restored on other satellites and the satellite's communications payload is not being utilized.

PanAmSat currently is in the process of circularizing the satellite's orbit and hopes to be at approximately 100 km above geosynchronous altitude when the circularization process is complete. PanAmSat and Boeing Space and Intelligence Systems, the manufacturer of Intelsat 4, are analyzing the anomaly and assessing the health of the satellite. Subject to the outcome of the ongoing analysis, PanAmSat hopes to de-orbit the satellite to an even higher distance above geosynchronous altitude in the next few days. PanAmSat estimates that there is enough fuel left on the satellite to achieve a much higher de-orbit altitude.<sup>2</sup>

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<sup>1</sup> 47 C.F.R. § 25.120.

<sup>2</sup> 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 Intelsat 4. See 47 C.F.R. § 25.283(a)

Ms. Marlene H. Dortch, Secretary  
February 5, 2010  
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Grant of this STA request is in the public interest. PanAmSat's emergency operations in response to the extraordinary and unforeseen anomaly on Intelsat 4 has minimized the potential for harm to other geostationary satellite operators. PanAmSat acted as soon as practicable to move Intelsat 4 to a reasonable altitude above the geostationary arc given the impact of the anomaly on the company's ability to command the spacecraft. PanAmSat's continued emergency operations will further facilitate the safe disposal of Intelsat 4.

For the reasons set forth herein, PanAmSat respectfully requests that the Commission expeditiously grant this request for special temporary authority to conduct emergency operations for the Intelsat 4 satellite.

Sincerely,



Susan H. Crandall  
Assistant General Counsel  
Intelsat Corporation

Cc: Bob Nelson  
Karl Kensinger  
Kathryn Medley  
Stephen Duall  
Sankar Persaud