

S2469 SAT-STA-20090505-00051

Intelsat North America LLC

IB2009001206

File # SAT-STA-20090505-00051



GRANTED \*  
International Bureau

\* subject to conditions

Date & Time Filed: May 5 2009 2:58:15:450PM  
File Number: SAT-STA-20090505-00051  
Callsign:

Call Sign S2469

(or other identifier)

Grant Date 05/15/09

Term Dates

From 05/15/09 To: 60 days

Approved by OMB  
3060-0678

Approved:

Stephen J. Duall  
Chief, Policy Branch

FEDERAL COMMUNICATIONS COMMISSION  
APPLICATION FOR SPACE STATION SPECIAL TEMPORARY AUTHORITY

FOR OFFICIAL USE ONLY

APPLICANT INFORMATION

Enter a description of this application to identify it on the main menu:

Extension of Special Temporary Authority to Operate Galaxy 26 at 50.75 E.L. (Call Sign S2469)

I. Applicant

Name:	Intelsat North America LLC	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		

**Attachment**  
**IBFS File No. File No. SAT-STA-20090505-00051**  
**Call Sign S2469**  
**May 15, 2009**

The request of Intelsat North America LLC (Intelsat), IBFS File No. File No. SAT-STA-20090505-00051, is GRANTED. Accordingly, Intelsat is authorized, for a period of 60 days commencing on May 15, 2009, to operate the Galaxy 26 space station (Call Sign S2469) to provide Fixed Satellite Services (FSS) in the Ku-band frequencies of 14000-14500 MHz and 11700-12200 MHz at the 50.75° E.L. orbital location. Additionally, Intelsat is authorized to provide on-station Telemetry, Tracking, and Command operations at the 50.75° E.L. orbital location using the following C-band frequencies:

- Telemetry: 4196.5 MHz (vertical polarization/space-to-Earth) or 4199.5 MHz (vertical polarization/space-to-Earth)
- Ranging: 6315.0 MHz (vertical polarization/Earth-to-space) and 4090.0 MHz (horizontal polarization/space-to-Earth)
- Command: Primary: 5926.5 MHz (right-hand circular polarization/Earth-to-space); Back-Up: 6411.0 MHz (right-hand circular polarization/Earth-to-space)

These Ku- and C-band operations are authorized in accordance with the technical specifications set forth in Intelsat's application, the Commission's rules, and the following conditions:

1. All operations shall be on an unprotected and non-harmful interference basis, *i.e.*, Intelsat 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 caused by Galaxy 26's operations at the 50.75° E.L. orbital location, Intelsat shall cease operations immediately upon notification of such interference, and shall inform the Commission, in writing, immediately of such an event.
3. Any action taken or expense incurred as a result of operations pursuant to this special temporary authority is solely at Intelsat's own risk.
4. Intelsat's request for waiver of Section 25.202(g) of the Commission's rules, 47 C.F.R. 25.202(g) is GRANTED as conditioned. Section 25.202(g) requires that "telemetry, tracking and telecommand (TT&C) functions for U.S. domestic satellites shall be conducted at either or both edges of the allocated band(s). Frequencies, polarization, and coding shall be selected to minimize interference into other satellite networks and within their own satellite system." Intelsat seeks a waiver of this rule to operate Galaxy 26's back-up command uplink at 6411.0 MHz, its ranging uplink at 6315.0 MHz, and its ranging downlink at 4090.0 MHz, none of which are at the band edges, for regular on-station TT&C communications. This waiver grant is based upon the following findings:

- (a) Due to the health issues with Galaxy 26, Intelsat can only operate the space station's back-up command uplink, ranging uplink, and ranging downlink at the aforementioned frequencies;
- (b) Intelsat needs to operate command and ranging with Galaxy 26 in order to insure safe operation of the space station;
- (c) Intelsat will coordinate operations of Galaxy 26 with other space stations to avoid interference, and will operate Galaxy 26 on a non-interference basis.

As a condition of granting this waiver, Intelsat shall coordinate the TT&C operations permitted pursuant to condition No. 4 with all potentially-affected operators of other radiocommunication systems. Additionally, Intelsat must accommodate future space station networks that are compliant with Section 25.202(g) of the Commission's rules.

5. Grant of this authorization is without prejudice to any determination that the Commission may make regarding Intelsat's pending application for permanent operations of the Galaxy 26 space station at the 50.75° E.L. orbital location (IBFS File No. SAT-MOD-20090309-00034).

6. Intelsat is afforded thirty days from the date of release of this grant and authorization to decline this authorization as conditioned. Failure to respond within this period will constitute formal acceptance of the authorization as conditioned.

7. These actions are issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. § 0.261, and are 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.



\*subject to  
conditions

File # SAT-STA-20090505-00051

Call Sign S2469 Grant Date 05/15/09  
(or other identifier)

Term Dates period of  
From 05/15/09 To: 60 days

Approved: Stephen J. Duall

Stephen J. Duall  
Chief, Policy Branch

<b>2. Contact</b>			
<b>Name:</b>	Intelsat North America LLC	<b>Phone Number:</b>	202-944-7848
<b>Company:</b>		<b>Fax Number:</b>	202-944-7870
<b>Street:</b>	c/o Intelsat Corporation	<b>E-Mail:</b>	susan.crandall@intelsat.com
	3400 International Drive, N.W.		
<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 checked="" type="radio"/> Extend Expiration Date <input type="radio"/> Other	
6. Temporary Orbit Location		7. Requested Extended Expiration Date	
		2009-07-13 00:00:00.0	



<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>Intelsat North America LLC herein requests a 60-day extension, through 07/13/2009, of the Special Temporary Authority previously granted to Intelsat to operate Galaxy 26 at 50.75 E.L. in the conventional C- and Ku-bands on a non-interference, non-protected basis to satisfy the request of a U.S. Government customer for capacity in the Indian Ocean region.</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: 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:					
<p style="text-align: center;"> <b>WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND / OR IMPRISONMENT</b>          (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>					

### **FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT**

The public reporting for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the required data, and completing and reviewing the collection of information. If you have any comments on this burden estimate, or how we can improve the collection and reduce the burden it causes you, please write to the Federal Communications Commission, AMD-PERM, Paperwork Reduction Project (3060-0678), Washington, DC 20554. We will also accept your comments regarding the Paperwork Reduction Act aspects of this collection via the Internet if you send them to [PRA@fcc.gov](mailto:PRA@fcc.gov). PLEASE DO NOT SEND COMPLETED FORMS TO THIS ADDRESS.

Remember – You are not required to respond to a collection of information sponsored by the Federal government, and the government may not conduct or sponsor this collection, unless it displays a currently valid OMB control number or if we fail to provide you with this notice. This collection has been assigned an OMB control number of 3060-0678.

**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.**

May 5, 2009



INTELSAT.

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

Re: Request for Extension of Special Temporary Authority for Galaxy 26  
Call Sign: S2469

Dear Ms. Dortch:

Intelsat North America LLC ("Intelsat") herein requests a 60-day extension -- through July 13, 2009 -- of the Special Temporary Authority ("STA")<sup>1</sup> previously granted to Intelsat to operate Galaxy 26 at 50.75° E.L. in the conventional C- and Ku-bands on a non-interference, non-protected basis to satisfy a U.S. Government customer's urgent request for capacity in the Indian Ocean region.<sup>2</sup> As in the current STA, C-band frequencies will only be used for command, telemetry and ranging operations in the specific frequencies listed below. Intelsat has filed an application to modify the satellite's license to enable its operation at 50.75° E.L. on a permanent basis.<sup>3</sup>

Grant of this STA extension request is in the public interest because it will allow Intelsat to continue satisfying an urgent request by a U.S. Government customer for capacity in the Indian Ocean region. Specifically, the recent failure of a commercial satellite had left the U.S. Government customer without capacity it had reserved to handle traffic that had been scheduled to be -- and has been -- offloaded from Intelsat 706 in March 2009.

Grant of this STA extension request will not result in increased risk of harmful interference. At 50.75° E.L., Intelsat will operate Galaxy 26 on a non-interference, non-protected basis. Should any interference occur, Intelsat will take all reasonable steps to eliminate such interference.

---

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

<sup>2</sup> See *Policy Branch Information; Actions Taken*, Report No. SAT-00590, File No. SAT-STA-20090303-00030 (Mar. 20, 2009) (Public Notice).

<sup>3</sup> See *Policy Branch Information; Satellite Space Applications Accepted for Filing*, Report No. SAT-00592, File No. SAT-MOD-20090309-00034 (Mar. 27, 2009) (Public Notice).

Ms. Marlene H. Dortch  
May 5, 2009  
Page 2

Intelsat 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 26 will not be located at the same orbital location as another satellite or at an orbital location that has an overlapping station-keeping volume with another satellite. Further, Intelsat is not aware of any other FCC licensed system, or any other system applied for and under consideration by the FCC, having an overlapping station-keeping volume with Galaxy 26 at 50.75° E.L. Finally, Intelsat is not aware of any system with an overlapping station-keeping volume with Galaxy 26 that is the subject of an ITU filing and that is either in orbit or progressing towards launch.

The C-band frequencies that will continue to be used are given in the table below.

Carrier	Frequency
Primary Command	5926.5 MHz (Earth-to-space) (RHCP)
Back-Up Command	6411 MHz (Earth-to-space) (RHCP)
Telemetry	4196.5 MHz (V) or 4199.5 MHz (V)
Ranging <sup>4</sup>	6315 MHz (V) (Earth-to-space) 4090 MHz (H) (space-to-Earth)

Intelsat seeks continued waiver of Section 25.202(g) of the Commission's rules, for the reasons set forth in the original STA request and supplement thereto.

---

<sup>4</sup> Due to satellite health issues, Intelsat is conducting ranging in Galaxy 26's communications payload.



Ms. Marlene H. Dortch  
May 5, 2009  
Page 3

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

Sincerely,

A handwritten signature in black ink, appearing to read "Susan H. Crandall", written over a circular stamp or seal.

Susan H. Crandall  
Assistant General Counsel  
Intelsat Corporation

cc: Bob Nelson  
Kathryn Medley  
Stephen Duall