



File # SAT-STA-20081216-00232

Call Sign S2394 Grant Date 01/14/09  
(or other identifier)

Term Dates  
From 01/15/09 To: period of 30 days

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

\*subject to  
attached  
conditions

Approved by OMB  
3060-0678

Date & Time Filed: Dec 16 2008 2:59:39:553PM  
File Number: SAT-STA-20081216-00232  
Callsign:

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:  
Request for STA to De-Orbit the Intelsat 605 Satellite (S2394)

I. Applicant

<b>Name:</b>	Intelsat North America LLC	<b>Phone Number:</b>	202-944-7848
<b>DBA Name:</b>		<b>Fax Number:</b>	202-944-7870
<b>Street:</b>	c/o Intelsat Corporation 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		

**SAT-STA-20081216-00232** **IB2008002981**  
Intelsat North America LLC

**SAT-STA-20081216-00232**

**Call Sign: S2394**

**January 14, 2009**

Intelsat North America LLC's (Intelsat's) request for special temporary authority, IBFS File No. SAT-STA-20081216-00232, IS GRANTED. Accordingly, Intelsat is authorized for a period of 30 days commencing on January 15, 2009 to continue operating the tracking, telemetry, and command (TT&C) payload on its Intelsat 605 satellite to perform 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 this Attachment.

1. Intelsat 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 605 to any other lawfully operating space station or radio communications system and operations of the Intelsat 605 satellite shall cease immediately upon notification of such interference.
3. Intelsat is required to accept interference from other lawfully operating space stations or radio communications systems.
4. Any action taken or expense incurred as a result of operations pursuant to this special temporary authority is solely at Intelsat's own risk.
5. Within thirty days of completion of the end of life maneuvers, Intelsat shall send a letter to the Chief, Satellite Division, International Bureau indicating the apogee and perigee of Intelsat 605's disposal orbit.



\*subject to conditions

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2. Contact			
<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>	Same
(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 type="radio"/> Extend Expiration Date <input checked="" type="radio"/> 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.)

Intelsat North America LLC, pursuant to Section 25.120 of the rules of the Federal Communications Commission, herein requests STA, beginning on January 15, 2009 and lasting for a period of thirty days, to de-orbit the Intelsat 605 satellite from its current location at 186.0 W.L. (174 E.L.) and to perform TT&C functions with Intelsat 605 during

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.

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).

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

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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**

Intelsat North America LLC, pursuant to Section 25.120 of the rules of the Federal Communications Commission, herein requests STA, beginning on January 15, 2009 and lasting for a period of thirty days, to de-orbit the Intelsat 605 satellite from its current location at 186.0 W.L. (174 E.L.) and to perform TT&C functions with Intelsat 605 during this maneuver.

December 16, 2008



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 Intelsat 605  
Satellite, Call Sign S2394

Dear Ms. Dortch:

Intelsat North America LLC ("Intelsat"), 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 on January 15, 2009 and lasting for a period of thirty days, to de-orbit the Intelsat 605 satellite (Call Sign S2394) from its current location at 186.0° W.L. (174.0° E.L.) and to perform telemetry, tracking and command ("TT&C") functions with Intelsat 605 during this maneuver.<sup>2</sup>

Grant of this STA is in the public interest. The Intelsat 605 satellite was launched in August 1991 and is nearing the end of its useful life. Accordingly, Intelsat seeks to commence de-orbiting early next year.

Intelsat intends to de-orbit the Intelsat 605 satellite to a perigee 135 km above synchronous altitude. This perigee was selected based on Intelsat's propellant accounting, recent experience with Intelsat 605'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 Intelsat 605 satellite will be taken to a perigee higher than 135 km. As a satellite launched prior to March 18, 2002, the minimum perigee requirements for

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<sup>1</sup> 47 C.F.R. § 25.120.

<sup>2</sup> This request for special temporary authority is filed out of an abundance of caution. The plain language of Section 25.283(b) appears to provide inherent authority for satellites launched prior to March 18, 2002—and thus not required under Section 25.183(d) to meet minimum perigee requirements set forth in Section 25.283(a)—to operate TT&C frequencies for the purpose of de-orbiting (provided only that control operations are coordinated with potentially affected operators).

Ms. Marlene H. Dortch, Secretary  
December 16, 2008  
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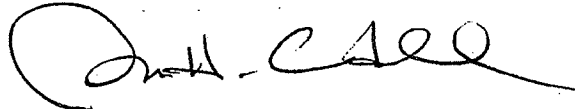
decommissioning set forth in Section 25.283(a) of the Commission's rules do not apply to Intelsat 605.<sup>3</sup>

The de-orbit of Intelsat 605 will not cause any significant risk of harmful interference to other satellites. During the relocation of Intelsat 605, the satellite's communications payload will remain inactive and only the TT&C payload will operate. Intelsat requests authority to operate the following TT&C frequencies: 3947.5 MHz, 3948.0 MHz, 3952.0 MHz and 3952.5 MHz (telemetry downlink) and 6173.7 MHz and 6176.3 MHz (command uplink). These frequencies will be coordinated and will operate on a non-interference basis.<sup>4</sup>

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, Intelsat respectfully requests that the Commission expeditiously grant this request for special temporary authority to de-orbit the Intelsat 605 satellite.

Sincerely,



Susan H. Crandall  
Assistant General Counsel  
Intelsat Corporation

Cc: Bob Nelson  
Andrea Kelly  
Karl Kensinger

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<sup>3</sup> 47 C.F.R. § 25.283(d).

<sup>4</sup> See 47 C.F.R. § 25.283(b).