

SAT-STA-20090212-00021

IB2009000416

Intelsat North America LLC

File # SAT-STA-20090212-00021

Call Sign S2397 Grant Date 05/13/09
(or other identifier)

Approved by OMB
3060-0678

Term Dates Period of
From 05/22/09 To: 30 days

Approved: *Stephan J. Duall*

Stephan J. Duall
Chief, Policy Branch



Date & Time Filed: Feb 12 2009 12:08:12:796PM
File Number: SAT-STA-20090212-00021
Callsign:

*subject to conditions

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 to De-Orbit Intelsat 704 Satellite (S2397)

1. 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. SAT-STA-20090212-00021
Call Sign: S2397
May 13, 2009

The request of Intelsat North America LLC (Intelsat), IBFS File No. SAT-STA-20090212-00021, IS GRANTED. Accordingly, Intelsat is authorized for a period of 30 days commencing on May 22, 2009 to perform tracking, telemetry, and command (TT&C) functions with the Intelsat 704 space station (Call Sign S2397), using the 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) 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. Intelsat shall coordinate all orbit raising maneuver TT&C operations with existing geostationary space stations 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 704 to any other lawfully operating space station or radio communications system and operations of the Intelsat 704 space station 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 30 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 704's disposal orbit.



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Approved: Stephen J. Duall

Stephen J. Duall
Chief, Policy Branch

2. Contact	
Name:	Intelsat North America LLC
Company:	c/o Intelsat Corporation
Street:	3400 International Drive, N.W.
City:	Washington
Country:	USA
Attention:	Susan H. Crandall
Phone Number:	202-944-7848
Fax Number:	202-944-7870
E-Mail:	susan.crandall@intelsat.com
State:	DC
Zipcode:	20008 --3006
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 type="radio"/> Change Station Location	<input type="radio"/> Extend Expiration Date
<input type="radio"/> Other	<input checked="" type="radio"/> Other
6. Temporary Orbit Location	
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>Pursuant to Section 25.120 of the rules of the Federal Communications Commission, Intelsat North America LLC requests STA, beginning May 22, 2009, and lasting for a period of thirty days, in order to de-orbit the Intelsat 704 satellite (Call Sign S2397) from its current location at 66.0 E.L. and to perform TT&C functions with Intelsat 704 during this</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 &quot;party to the application&quot;; 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>	
<p>Attachment 1: Letter</p>	<p>Attachment 2:</p>
<p>Attachment 3:</p>	<p>Attachment 3:</p>
<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.

8. Description

Pursuant to Section 25.120 of the rules of the Federal Communications Commission, Intelsat North America LLC requests STA, beginning May 22, 2009, and lasting for a period of thirty days, in order to de-orbit the Intelsat 704 satellite (Call Sign S2397) from its current location at 66.0 E.L. and to perform TT&C functions with Intelsat 704 during this maneuver.

February 12, 2009



INTELSAT

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 704
Satellite, Call Sign S2397

Dear Ms. Dortch:

Intelsat North America LLC ("Intelsat"), 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 May 22, 2009 and lasting for a period of thirty days, to de-orbit the Intelsat 704 satellite (Call Sign S2397) from its current location at 66.0 E.L. and to perform telemetry, tracking and command ("TT&C") functions with Intelsat 704 during this maneuver.

Grant of this STA is in the public interest. The Intelsat 704 satellite was launched in January 1995 and is nearing the end of its useful life. Accordingly, Intelsat seeks to commence de-orbiting later this year.

Intelsat intends to de-orbit the Intelsat 704 satellite to a perigee 150 km above synchronous altitude. This perigee was selected based on Intelsat's propellant accounting, recent experience with Intelsat 704'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 704 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 Intelsat 704.²

The de-orbit of Intelsat 704 will not cause any significant risk of harmful interference to other satellites. During the de-orbit of Intelsat 704, 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:

¹ 47 C.F.R. § 25.120.

² 47 C.F.R. § 25.283(d).

Ms. Marlene H. Dortch, Secretary

February 12, 2009

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3947.5, 3948.0, 3952.5, 3952.0 MHz (telemetry downlink) and 6173.7, 6176.3 MHz (command uplink). These frequencies will be coordinated and will operate on a non-interference basis.³

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 704 satellite.

Sincerely,

/s/ Susan H. Crandall

Susan H. Crandall
Assistant General Counsel
Intelsat Corporation

³ See 47 C.F.R. § 25.283(b).