

S2398 SAT-STA-20121126-00202 IB2012002708
Intelsat License LLC
INTELSAT 707



*with conditions

File # SAT-STA-20121126-00202

Call Sign S2398 Grant Date 12/19/12

(or other identifier)

Term Dates period of
From 01/10/13 To: 30 days

Approved:

Stephen J. Duall
Stephen J. Duall
Chief, Satellite Policy Branch

Approved by OMB
3060-0678

Date & Time Filed: Nov 26 2012 4:55:53:250PM
File Number: SAT-STA-20121126-00202
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 Special Temporary Authority to De-Orbit the Intelsat 707 Satellite, Call Sign S2398


1. Applicant

Name:	Intelsat License 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		

Intelsat License LLC
IBFS File No. SAT-STA-20121126-00202
Call Sign S2398

The application of Intelsat License LLC (Intelsat) for special temporary authority, IBFS File No. SAT-STA-20121126-00202, is GRANTED. Accordingly, Intelsat is authorized for a period of 30 days, commencing on January 10, 2013, to perform tracking telemetry, and command (TT&C) operations with the Intelsat 707 space station (Call Sign S2398) necessary to boost Intelsat 707 to a disposal orbit with a minimum perigee altitude of 150 kilometers above the geostationary arc using the following center frequencies: 3948.0 MHz and 3952.0 MHz (space-to-Earth) and 6173.7 MHz and 6176.3 MHz (Earth-to-space). This authorization is granted in accordance with the terms, conditions, and technical specifications set forth in Intelsat's application and the Commission's rules, and is subject to the following conditions:

1. All operations under this grant of special temporary authority must be on an unprotected and non-harmful interference basis, *i.e.*, Intelsat must not cause harmful interference to, and shall not claim protection from interference caused to it by, any other lawfully operating radiocommunication system.
2. In the event of any harmful interference as a result of the operations under this grant of special temporary authority, Intelsat must cease operations immediately upon notification of such interference and must immediately inform the Commission, in writing, of such an event.
3. Intelsat must 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.
4. Intelsat must operate only the TT&C frequencies on Intelsat 707 during the disposal operations.
5. Within 30 days of completion of the end-of-life maneuvers, Intelsat must send a letter to the Chief, Satellite Division, International Bureau, indicating the apogee and perigee of the Intelsat 707 disposal orbit.
6. This action is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. § 0.261, and is effective immediately.

 GRANTED* International Bureau *with conditions	File # <u>SAT-STA-20121126-00202</u>
	Call Sign <u>S2398</u> Grant Date <u>12/19/12</u> (or other identifier)
	Term Dates period of From <u>01/10/13</u> To: <u>30 days</u>
	Approved: <u>Stephen J. Duall</u> Stephen J. Duall Chief, Satellite Policy Branch

2. Contact

Name:	Susan H. Crandall	Phone Number:	202-944-7848
Company:	Intelsat Corporation	Fax Number:	202-944-7870
Street:	3400 International Drive, N.W.	E-Mail:	susan.crandall@intelsat.com
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.

Intelsat License LLC, pursuant to Section 25.120 of the rules of the Federal Communications Commission, herein requests Special Temporary Authority, beginning on January 10, 2013, and lasting for a period of thirty days, in order to de-orbit the Intelsat 707 satellite (Call Sign S2398) from its current location at 53.0 W.L. and to

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 RELOCATION 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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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 License LLC, pursuant to Section 25.120 of the rules of the Federal Communications Commission, herein requests Special Temporary Authority, beginning on January 10, 2013, and lasting for a period of thirty days, in order to de-orbit the Intelsat 707 satellite (Call Sign S2398) from its current location at 53.0 W.L. and to perform telemetry, tracking and command functions with Intelsat 707 during this maneuver.

November 26, 2012

Ms. Marlene H. Dortch
Federal Communications Commission
445 12th Street, S.W.
Washington, D.C. 20554



Re: Request for Special Temporary Authority to De-Orbit the Intelsat 707 Satellite, Call Sign S2398

Dear Ms. Dortch:

Intelsat License 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 January 10, 2013, and lasting for a period of thirty days, in order to de-orbit the Intelsat 707 satellite (Call Sign S2398) from its current location at 53.0° W.L. and to perform telemetry, tracking and command (“TT&C”) functions with Intelsat 707 during this maneuver.

Grant of this STA is in the public interest. The Intelsat 707 satellite was launched in March 1996 and is nearing the end of its useful life. Accordingly, Intelsat seeks to commence de-orbiting in the first quarter of 2013. The Intelsat 707 satellite is being replaced by the Intelsat 23 satellite (call sign S2831), which was recently launched and is expected to begin commercial service in November 2012.² The customers currently receiving services on Intelsat 707 will be transferred to Intelsat 23 at 53.0° W.L. prior to the de-orbit of Intelsat 707.

Intelsat intends to de-orbit the Intelsat 707 satellite to a perigee of at least 150 km above synchronous altitude.³ This perigee was selected based on Intelsat’s propellant accounting, recent experience with Intelsat 707’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 707 satellite will be taken to a perigee higher than 150 km. As a satellite

¹ 47 C.F.R. § 25.120.

² See *Policy Branch Information Actions Taken*, Report No. SAT-00848, DA No. 12-268, File No. SAT-LOA-20110727-00139 (Feb. 24, 2012) (Public Notice).

³ The Commission has suggested that 150 km above synchronous altitude is acceptable for satellites launched prior to March 18, 2002. See *Mitigation of Orbital Debris*, Second Report and Order, 19 FCC Rcd 11567, ¶ 82 (2004).

Ms. Marlene H. Dortch
November 26, 2012
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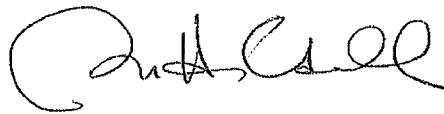
launched prior to March 18, 2002, the minimum perigee requirements for decommissioning set forth in Section 25.283(a) of the Commission's rules do not apply to Intelsat 707.⁴

The de-orbit of Intelsat 707 will not cause any significant risk of harmful interference to other satellites. During the relocation of Intelsat 707, 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 during the de-orbit: 3948.0 MHz and 3952.0 (downlink frequencies) and 6173.7 MHz and 6176.3 MHz (uplink frequencies). These frequencies will be coordinated and will operate on a non-interference basis.⁵

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.⁶

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 707 satellite.

Sincerely,



Susan H. Crandall
Assistant General Counsel
Intelsat Corporation

⁴ 47 C.F.R. § 25.283(d).

⁵ See 47 C.F.R. § 25.283(b).

⁶ 47 C.F.R. § 25.283(c).