


S2396 SAT-STA-20110316-00055 IB2011000790
Intelsat License LLC
Intelsat 709

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Callsign:

Approved by OMB
3060-0678

Fig # SAT-STA-20110316-00055
Call Sign S2396 **Grant Date** 06/15/11
Term Dates period of 180 days
From 06/15/11 **To:**
Approved: *Susan H Crandall*
Stephen J. Duall
Chief, Satellite Policy Branch



GRANTED*
International Bureau
*with 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:
Request for STA to Drift and Operate Intelsat 709 (Call Sign S2396)

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		

Attachment to Grant
Application of Intelsat License LLC for Special Temporary Authority
IBFS File No. SAT-STA-20110316-00055

The application of Intelsat License LLC (Intelsat) for special temporary authority, IBFS File No. SAT-STA-20110316-00055, is GRANTED. Accordingly, Intelsat is authorized, for a period of 180 days, to continue to conduct Telemetry, Tracking, and Telecommand (TT&C) operations with the Intelsat 709 space station (Call Sign S2396) necessary to drift Intelsat 709 from the 54.85° E.L. orbital location to the 72.1° E.L. orbital and to maintain Intelsat 709 at the 72.1° E.L. location using the following center frequencies: 6173.7 MHz, 6176.3 MHz (left-hand circular polarization/Earth-to-space); 3947.5 MHz, 3948.0 MHz, 3952.5 MHz, and 3952.0 MHz (right-hand circular polarization/space-to-Earth). Additionally, Intelsat is granted authority to operate the communications payload on Intelsat 709 to provide Fixed-Satellite Service at the 72.1° E.L. orbital location on a temporary basis in the following frequency bands: 3700-4200 MHz (space-to-Earth), 5925-6425 MHz (Earth-to-space), 10950-11200 MHz, 11450-11700 MHz, and 12500-12750 MHz (space-to-Earth), and 14000-14500 MHz (Earth-to-space).¹

This authorization shall be in accordance with the technical specifications set forth in Intelsat's application, Federal Communications Commission (Commission) rules, and is subject to the following conditions:

1. All operations during the drift to, and during operations at, the 72.1° E.L. orbital location 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 during Intelsat 709's drift to, and during operations at, the 72.1° 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. Intelsat shall not operate Intelsat 709's communications payload during the drift to the 72.1° E.L. orbital location.
4. Intelsat shall maintain full operational control of Intelsat 709 at all times.
5. Intelsat shall operate Intelsat 709 at the 72.1° E.L. orbital location in accordance with any existing coordination agreements for this location.
6. In connection with the provision of service in any particular country, Intelsat is obliged to comply with the applicable laws, regulations, rules, and licensing procedures of that country.
7. While at the 72.1° E.L. orbital location, Intelsat shall maintain the Intelsat 709 space station with an east/west longitudinal station-keeping tolerance of +/- 0.05 degrees.

¹ Intelsat was granted special temporary authority, for a period of 30 days, to conduct TT&C operations necessary to commence drifting the Intelsat 709 space station to the 72.1° E.L. orbital location. *See* IBFS File No. SAT-STA-20110512-00089 (granted May 25, 2011). Intelsat's request for special temporary authority to operate the communications payload on Intelsat 709 once the space station arrived at the 72.1° E.L. orbital location was dismissed without prejudice, since Intelsat stated that Intelsat 709 was not expected to arrive at 72.1° E.L. until mid-July 2011, which was outside of the requested 30-day STA period. *Id.*

Attachment to Grant
Application of Intelsat License LLC for Special Temporary Authority
IBFS File No. SAT-STA-20110316-00055

8. Intelsat's request that the Part 25 technical waivers previously granted to the Intelsat 709 space station, Sections 25.202(g), 25.210(a)(1), 25.210(a)(3), 25.210(c), 25.210(i), and 25.211(a) of the Commission's rules, 47 C.F.R. §§ Sections 25.202(g), 25.210(a)(1), 25.210(a)(3), 25.210(c), 25.210(i), and 25.211(a), continue to apply to the temporary operations at the 72.1° E.L. orbital location, is granted. See Intelsat LLC, Memorandum Opinion and Order, 15 FCC Rcd 15460 (2000), *recon. denied*, 15 FCC Rcd 25234 (2000).

9. Intelsat's use of the 10.95-11.2 GHz and 11.45-11.7 GHz bands is subject to footnote US211 to the United States Table of Frequency Allocations, 47 C.F.R. § 2.106, US211, which urges applicants for airborne or space station assignments to take all practicable steps to protect radio astronomy observations in the adjacent bands from harmful interference, consistent with footnote US74.

10. Intelsat's operation of the Intelsat 709 space station in the 10.95-11.2 GHz and 11.45-11.7 GHz bands is limited to international operations in accordance with footnote NG 104 to the United States Table of Frequency Allocations, 47 C.F.R. § 2.106, NG 104, and footnote 2 of Section 25.202(a)(1) of the Commission's rules, 47 C.F.R. § 25.202(a)(1).


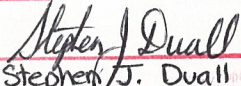
11. Use of the 12.50-12.75 GHz frequency bands is not permitted for Fixed-Satellite Service in the space-to-Earth direction in Region 2.

12. Any action taken or expense incurred as a result of operations pursuant to this special temporary authority is solely at Intelsat's own risk.

13. Grant of this authorization is without prejudice to any determination that the Commission may make regarding Intelsat's pending application to relocate the Intelsat 709 space station from the 54.85° E.L. orbital location to the 72.1° E.L. orbital location (IBFS File No. SAT-MOD-20110428-00081).

14. This grant of special temporary authority is without prejudice (1) to any decision with respect to any replacement expectancy at the 72.1° E.L. orbital location, or (2) any action on the Petition for Specific Authority Under Section 25.161(c) filed by PanAmSat Licensee Corp. on April 5, 2010, to retain authority to use C- and Ku-band frequencies at the nominal 72° E.L. orbital location (IBFS File No. SAT-MSA-20100405-00117).

15. 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. 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.

 GRANTED* International Bureau	File # SAT-STA-20110316-00055
	Call Sign S2396 Grant Date 06/15/11 (or other identifier)
	Term Dates period of From 06/15/11 To: 180 days
	Approved:  Stephen J. Duall Chief, Satellite Policy Branch

*with conditions 2

2. Contact	
Name: Intelsat License LLC	Phone Number: 202-944-7848
Company: c/o 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?	
<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 checked="" type="radio"/> Change Station Location	<input type="radio"/> Extend Expiration Date <input type="radio"/> Other
6. Temporary Orbit Location 72.10 E.L.	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>Intelsat License LLC (formerly known as Intelsat North America LLC) herein requests Special Temporary Authority for 180 days beginning May 15, 2011 to drift Intelsat 709 (call sign S2396) from 54.85 E.L. to 72.10 E.L. and begin operating at 72.10 E.L. At 72.10 E.L., Intelsat 709 will provide station-kept service continuity to Intelsat 706</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>	
<p>Attachment 1: STA Request</p>	<p>Attachment 2:</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

Intelsat License LLC (formerly known as Intelsat North America LLC) herein requests Special Temporary Authority for 180 days beginning May 15, 2011 to drift Intelsat 709 (call sign S2396) from 54.85 E.L. to 72.10 E.L. and begin operating at 72.10 E.L. At 72.10 E.L., Intelsat 709 will provide station-kept service continuity to Intelsat 706 customers when the latter satellite is placed in inclined orbit.

March 16, 2011

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



Re: Request for Special Temporary Authority to Drift and Operate
Intelsat 709
Call Sign S2396

Dear Ms. Dortch:

Intelsat License LLC (formerly known as Intelsat North America LLC) ("Intelsat") herein requests Special Temporary Authority ("STA")¹ for 180 days beginning May 15, 2011 to drift Intelsat 709 (call sign S2396) from 54.85° E.L. to 72.10° E.L. and begin operating at 72.10° E.L. At 72.10° E.L., Intelsat 709 will provide station-kept service continuity to Intelsat 706 customers when the latter satellite is placed in inclined orbit.

Intelsat 709 is currently authorized to operate at 54.85° E.L. pursuant to the ITU filings of the Indian Administration.² Following traffic transfer from Intelsat 709 to other satellites, Intelsat 709 will be relocated to 72.10° E.L. Intelsat 706, which currently operates at the 72.10° E.L. location,³ must be placed in inclined orbit sooner than originally expected.⁴ Accordingly, Intelsat 709 is being redeployed to 72.10° E.L. in order to provide continuity of service to customers requiring station-kept capacity at that location. Subject to receipt of FCC approval, Intelsat expects to begin drifting Intelsat 709 on May 15, 2011 and have the satellite on-station at 72.10° E.L. in early July 2011.

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

² See *Policy Branch Information; Actions Taken*, Report No. SAT-00745, File No. SAT-STA-20101207-00256 (Dec. 17, 2010) (Public Notice).

³ See *Policy Branch Information; Actions Taken*, Report No. SAT-00763, File No. SAT-STA-20110222-00031 (Mar. 4, 2011) (Public Notice); *Policy Branch Information; Actions Taken*, Report No. SAT-00748, File No. SAT-STA-20101220-00265 (Jan. 7, 2011) (Public Notice); *Policy Branch Information; Actions Taken*, Report No. SAT-00736, File No. SAT-STA-20101022-00223 (Nov. 12, 2010) (Public Notice); *Policy Branch Information; Actions Taken*, Report No. SAT-00720, File No. SAT-STA-20100824-00181 (Sept. 10, 2010) (Public Notice); *Policy Branch Information; Actions Taken*, Report No. SAT-00718, File No. SAT-STA-20100326-00057 (Sept. 3, 2010) (Public Notice).

⁴ Intelsat currently expects to put Intelsat 706 in inclined orbit in July 2011.

Ms. Marlene H. Dortch
March 16, 2011
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During the drift of Intelsat 709 from 54.85° E.L. to 72.10° E.L., Intelsat will utilize only the satellite's TT&C frequencies and will follow industry practices for coordinating TT&C transmissions during the relocation process. The specific TT&C frequencies are as follows:

Uplink:

6173.7 MHz (LHCP)
6176.3 MHz (LHCP)

Downlink:

3947.5 MHz (RHCP)
3948.0 MHz (RHCP)
3952.5 MHz (RHCP)
3952.0 MHz (RHCP)

Once located at 72.10° E.L., Intelsat will operate the satellite's communications frequencies, as follows:

Downlink:

3700-4200 MHz
10950-11200 MHz
11450-11700 MHz
12500-12750 MHz

Uplink:

5925-6425 MHz
14000-14500 MHz⁵

Grant of this STA request is in the public interest because it will allow Intelsat to ensure continuity of station-kept service at the 72.10° E.L. location.⁶ Intelsat expects to have a new satellite – Intelsat 22 – launched to 72.10° E.L. in the first or second quarter of 2012.

⁵ The frequency band 11700-11950 MHz is also on Intelsat 709, but will not be utilized at 72.10° E.L.

⁶ As noted above, all customers operating on Intelsat 709 at 54.85° E.L. at the time of the planned redeployment to 72.10° E.L. will be accommodated on other satellites prior to the satellite's drift.

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Grant of this STA request will not result in increased risk of harmful interference. As noted above, Intelsat will operate only the above listed TT&C frequencies during the drift, and will coordinate its TT&C transmissions with operators of satellites in the drift path. Should any interference occur during the drift, Intelsat will take all reasonable steps to eliminate such interference. Once on-station at 72.10° E.L., Intelsat will operate the communications payload and TT&C frequencies in conformance with Intelsat's sister company -- PanAmSat Licensee Corp.'s -- coordination agreements regarding the nominal 72.0° E.L. orbital location.

Intelsat has assessed and limited the probability of the space station becoming a source of debris as a result of collision with large debris or other operational space stations. Except for Intelsat 706, Intelsat 709 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.⁷ 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 Intelsat 709. Finally, Intelsat is not aware of any system with an overlapping station-keeping volume with Intelsat 709 that is the subject of an ITU filing and that is either in orbit or progressing towards launch.

Intelsat also requests that the Part 25 waivers originally granted to the Intelsat 709 spacecraft continue to apply at the 72.10° E.L. location, namely, the waivers of Sections 25.202(g), 25.210(a)(1), 25.210(a)(3), 25.210(c), 25.210(i) and 25.211(a) of the Commission's rules.⁸

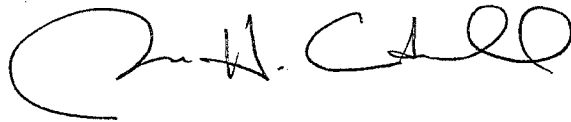
⁷ Intelsat 709 and Intelsat 706 will be operated in the same station-keeping box.

⁸ See *Applications of Intelsat LLC for Authority to Operate and Further Construct, Launch, and Operate C-Band and Ku-Band Satellites that Form a Global Communications System in Geostationary Orbit*, 15 FCC Rcd 15460, 15529 (Appendix C) (2000) (Memorandum Opinion Order and Authorization), *recon. denied*, 15 FCC Rcd 25234 (2000) (Order on Reconsideration).

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

Sincerely,

A handwritten signature in black ink, appearing to read "Susan H. Crandall". The signature is fluid and cursive, with a large initial "S" and "C".

Susan H. Crandall
Assistant General Counsel
Intelsat Corporation

cc: Stephen Duall
Kathryn Medley