

S2400 SAT-STA-20121008-00180 IB2012002349  
Intelsat License LLC  
Intelsat 701



File # SAT-STA-20121008-00180

Call Sign S2400 Grant Date 11/01/12  
(or other identifier)

Term Dates period of  
From 10/15/12 To: 30 days

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

Approved by OMB  
3060-0678

Date & Time Filed: Oct 8 2012 3:40:47:383PM  
File Number: SAT-STA-20121008-00180  
Callsign:

\*with conditions

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 Further Extension of Special Temporary Authority to Operate Intelsat 701, Call Sign S2400

1. Applicant

<b>Name:</b>	Intelsat License 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		

**Intelsat License LLC**  
**IBFS File No. SAT–STA–20121008–00180**  
**Call Sign S2400**

The application of Intelsat License LLC (Intelsat) for special temporary authority, IBFS File No. SAT–STA–20121008–00180, is granted. Specifically, Intelsat is authorized, for a period of 30 days, commencing on October 15, 2012, to continue to conduct Telemetry, Tracking, and Command (TT&C) operations with the Intelsat 701 space station (Call Sign 2400) necessary to maintain the Intelsat 701 space station at the 157.0° E.L. orbital position in inclined orbit mode, using the following frequencies: 6173.7 MHz and 6176.3 MHz (Earth-to-space), and 3947.5 MHz, 3948.0 MHz, 3952.5 MHz, and 3952.0 MHz (space-to-Earth). Additionally, Intelsat is authorized to operate Intelsat 701 to provide Fixed-Satellite Service (FSS) at the 157.0° E.L. orbital position in the 3700-4200 MHz (space-to-Earth), 5925-6425 MHz (Earth-to-space), 10.95-11.2 GHz (space-to-Earth), 11.45-11.70 GHz (space-to-Earth), 11.7-11.95 GHz (space-to-Earth), 12.5-12.75 GHz (space-to-Earth), and 14.0-14.5 GHz (Earth-to-space) frequency bands. This authorization shall be in accordance with the technical specifications set forth in Intelsat's application, the Federal Communication Commission rules not waived herein, and subject to the following conditions:

1. All operations of Intelsat 701 at the 157.0° E.L. orbital location shall be on an unprotected and non-harmful interference basis, *i.e.*, the Intelsat 701 space station shall not cause harmful interference to, and shall not claim protection from interference caused to it by, any other lawfully operating station. In the event of any harmful interference, Intelsat shall cease operations immediately upon notification of such interference, and shall inform the Commission, in writing, immediately of such an event.
2. Intelsat shall maintain full operational control of the Intelsat space station at all times.
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. While at the 157.0° E.L. orbital location, Intelsat shall maintain the Intelsat space station with an east/west longitudinal station-keeping tolerance of +/- 0.05 degrees.
5. Intelsat shall operate Intelsat 701 at the 157.0° 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. 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.
8. Intelsat's operation of the Intelsat 701 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).

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**Call Sign S2400**


9. Operation of the Intelsat 701 space station in the 11.7-11.95 GHz band in Region 3 is subject to footnote 5.487 to the United States Table of Frequency Allocations, 47 C.F.R. § 2.106, 5.487, which states that FSS operations in the 11.7 to 12.5 GHz frequency band must be on an unprotected and non-harmful interference basis with respect to Broadcasting-Satellite Service (BSS) stations operating in accordance with the Regions 1 & 3 Plan in Appendix 30.

10. Use of the 12.5-12.70 GHz frequency band is not authorized for FSS in International Telecommunication Union (ITU) Region 2.

11. Use of the 12.70-12.75 GHz frequency band is not authorized for FSS in the space-to-Earth direction in ITU Region 2.

12. Intelsat's request that the Part 25 waivers originally granted to the Intelsat 701 space station continue to apply at the 157.0° E.L. orbital location, is granted. *See Applications of Intelsat LLC for Authority to Operate, and to Further Construct, Launch and Operate C-band and Ku-band Satellites that Form a Global Communications System in Geostationary Orbit*, Memorandum Opinion Order and Authorization, 15 FCC Rcd 15460 (2000), recon. denied, 15 FCC Rcd 25234 (2000).

13. 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.

 <b>GRANTED*</b> International Bureau *with conditions	File # <u>SAT-STA-20121008-00180</u>
	Call Sign <u>S2400</u> Grant Date <u>11/01/12</u> (or other identifier)
	Term Dates period of From <u>10/15/12</u> To: <u>30 days</u>
	Approved: <u>Stephen J. Duall</u> Stephen J. Duall Chief, Satellite Policy Branch

2. Contact	
<b>Name:</b> Susan H. Crandall	<b>Phone Number:</b> 202-944-7848
<b>Company:</b> Intelsat Corporation	<b>Fax Number:</b> 202-944-7870
<b>Street:</b> 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	<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 2012-11-13 00:00:00.0

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 herein requests a 30-day further extension, through November 13, 2012, of the Special Temporary Authority previously granted Intelsat to stop the drift of Intelsat 701 (call sign S2400) and operate the satellite at 157.0 E.L. in the C- and Ku-bands in inclined orbit mode.

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.**

October 8, 2012

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



Re: Request for Further Extension of Special Temporary  
Authority to Operate Intelsat 701  
Call Sign S2400

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests a 30-day further extension – through November 13, 2012 – of the Special Temporary Authority ("STA")<sup>1</sup> previously granted Intelsat to stop the drift of Intelsat 701 (call sign S2400) and operate the satellite at 157.0° E.L. in the C- and Ku-bands in inclined orbit mode.<sup>2</sup>

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<sup>1</sup> Intelsat has filed this STA request, an FCC Form 159 and an \$860.00 filing fee electronically via the International Bureau's Filing System.

<sup>2</sup> See *Policy Branch Information; Actions Taken*, Report No. SAT-00902, File No. SAT-STA-20120910-00145 (Sept. 28, 2012) (Public Notice); *Policy Branch Information; Actions Taken*, Report No. SAT-00890, File No. SAT-STA-20120809-00126 (Aug. 17, 2012) (Public Notice); *Policy Branch Information; Actions Taken*, Report No. SAT-00884, File No. SAT-STA-20120710-00112 (July 20, 2012) (Public Notice); *Policy Branch Policy Branch Information; Actions Taken*, Report No. SAT-00877, File No. SAT-STA-20120612-00096 (June 22, 2012) (Public Notice); *Policy Branch Information; Actions Taken*, Report No. SAT-00873, File No. SAT-STA-20120511-00084 (June 8, 2012) (Public Notice); *Policy Branch Information; Actions Taken*, Report No. SAT-00863, File No. SAT-STA-20120413-00067 (Apr. 27, 2012) (Public Notice); Report No. SAT-00856; File No. SAT-STA-20120312-00039 (Mar. 30, 2012) (Public Notice); *Policy Branch Information; Actions Taken*, Report No. SAT-00846, File No. SAT-STA-20120209-00015 (Feb. 17, 2012) (Public Notice); *Policy Branch Information; Actions Taken*, Report No. SAT-00842, File No. SAT-STA-20120113-00006 (Feb. 3, 2012) (Public Notice); *Policy Branch Information; Actions Taken*, Report No. SAT-00831, File No. SAT-STA-20111213-00238 (Dec. 23, 2011) (Public Notice).

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Intelsat will continue to utilize the following TT&C frequencies on Intelsat 701 at 157.0° E.L.:

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)

Intelsat will continue to utilize the following communications frequencies on Intelsat 701 at 157.0° E.L.:

Uplink:

5925 – 6425 MHz  
14000 – 14500 MHz

Downlink:

3700 – 4200 MHz  
10950 – 11200 MHz  
11450 – 11700 MHz  
11700 – 11950 MHz  
12500 – 12750 GHz

Grant of this STA further extension request is in the public interest because it will allow Intelsat to continue to meet customer demand at this location. Intelsat seeks to continue to operate the Intelsat 701 satellite at 157.0° E.L. pursuant to STA because the satellite will be redeployed in the near term in order to preserve service continuity at a different location as a result of a launch delay.



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Intelsat expects shortly to file an application seeking authority to redeploy Intelsat 701. Intelsat 706 currently is drifting to 157.0° E.L.<sup>3</sup> and will arrive at the location before Intelsat 701 is redeployed.

Grant of this STA further extension request will not result in increased risk of harmful interference. Intelsat will continue to operate Intelsat 701 at 157.0° E.L. in accordance with any applicable coordination agreements.

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. Intelsat 701 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 Intelsat 701 at 157.0° E.L. Finally, Intelsat is not aware of any system with an overlapping station-keeping volume with Intelsat 701 at 157.0° E.L. that is the subject of an ITU filing and that is either in orbit or progressing towards launch.

Intelsat requests that the Part 25 waivers originally granted to the Intelsat 701 spacecraft continue to apply at the 157.0° E.L. location, namely, the waivers of Sections 25.140(b)(2), 25.202(g), 25.210(a)(1), 25.210(a)(3), 25.210(i) and 25.211(a) of the Commission's rules.<sup>4</sup>

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<sup>3</sup> See *Policy Branch Information; Actions Taken*, Report No. SAT-00902, File No. SAT-STA-20120910-00146 (Sept. 28, 2012) (Public Notice); *Policy Branch Information; Actions Taken*, Report No. SAT-00890, File No. SAT-STA-20120810-00127 (Public Notice) (Aug. 17, 2012) (Public Notice).

<sup>4</sup> See *Applications of Intelsat LLC for Authority to Operate, and to Further Construct, Launch and Operate C-band and Ku-band Satellites that Form a Global Communications System in Geostationary Orbit*, Memorandum Opinion Order and Authorization, 15 FCC Rcd 15460 (2000), *recon. denied*, 15 FCC Rcd 25234 (2000).

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For the reasons set forth herein, Intelsat respectfully requests that the Commission grant this extension 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 a long, sweeping underline.

Susan H. Crandall  
Assistant General Counsel  
Intelsat Corporation

cc: Stephen Duall  
Jay Whaley  
Kathryn Medley