



File # SAT-STA-20120113-00006

Call Sign S2400 Grant Date 01/31/12

(or other identifier)

Term Dates From 01/19/12 To period of 30 days

Approved by OMB 3060-0678

Approved: Stephen J. Duall

Stephen J. Duall
Chief, Satellite Policy Branch

Date & Time Filed: Jan 13 2012 3:38:51:563PM
File Number: SAT-STA-20120113-00006
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 Extension of Special Temporary Authority to Operate Intelsat 701, Call Sign S2400

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
IBFS File No. SAT-STA-20120113-00006
Call Sign S2400

The application of Intelsat License LLC (Intelsat) for special temporary authority, IBFS File No. SAT-STA-20120113-00006, is granted. Accordingly, Intelsat is authorized, for a period of 30 days, commencing on January 19, 2011, 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 (left-hand circular polarization/Earth-to-space), and 3947.5 MHz, 3948.0 MHz, 3952.5 MHz, and 3952.0 MHz (right-hand circular polarization/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.¹ This authorization shall be in accordance with the technical specifications set forth in Intelsat's application, Federal Communication Commission (Commission) rules, and 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

¹ The previous grant of special temporary authority inadvertently omitted 11.7-11.95 GHz (space-to-Earth) in the list of frequency bands in which Intelsat is authorized to provide FSS on a temporary basis at the 157.0° E.L. orbital location. See IBFS File No. SAT-STA-20111213-00238 (granted Dec. 19, 2011).

Attachment to Grant
IBFS File No. SAT-STA-20120113-00006
Call Sign S2400

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).

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 12.5-12.75 GHz frequency bands is not permitted for Fixed-Satellite Service in the space-to-Earth direction in Region 2.

11. Pursuant to footnote US342 of the United States Table of Frequency Allocations, 47 C.F.R. § 2.106, services operating in the 14.47-14.50 GHz band shall take all practicable steps to protect the radio astronomy service from harmful interference.

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. 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.

14. 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-20120113-00006</u>
	Call Sign <u>S2400</u> Grant Date <u>01/31/12</u>
	(or other identifier)
	Term Dates period of
	From <u>01/19/12</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?	
<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 2012-02-16 00:00:00.0

<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: 10px; margin: 5px 0;"> <p>Intelsat License LLC herein requests a 30-day extension, through February 16, 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.</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> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr> <td style="width: 33%; padding: 5px;">Attachment 1: STA Request</td> <td style="width: 33%; padding: 5px;">Attachment 2:</td> <td style="width: 33%; padding: 5px;">Attachment 3:</td> </tr> </table>			Attachment 1: STA Request	Attachment 2:	Attachment 3:
Attachment 1: STA Request	Attachment 2:	Attachment 3:			
<p>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.

January 13, 2012

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



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

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests a 30-day extension – through February 16, 2012 – of the Special Temporary Authority ("STA")¹ 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.²

Intelsat 701 is currently operating at 157.0° E.L. Intelsat expects to operate the satellite at that location until its planned end of life, which currently is expected to be January 2033,³ assuming continued inclined orbit operations.⁴

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)

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

² See *Policy Branch Information; Actions Taken*, Report No. SAT-00831, File No. SAT-STA-20111213-00238 (Dec. 23, 2011) (Public Notice).

³ Intelsat will file shortly a modification application seeking permanent authority to operate Intelsat 701 at this location.

⁴ See Letter from Susan H. Crandall, Intelsat, to Marlene H. Dortch, FCC, Call Sign S2400 (Dec. 1, 2011).

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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 extension request is in the public interest because it will allow Intelsat to continue to ensure continuity of service to a customer that cannot tolerate the degree of inclination of the satellite it currently operates on. This customer will be transferred from its current satellite to Intelsat 701 at 157.0° E.L. In addition, grant is in the public interest because it will continue to allow Intelsat to meet additional customer demand at this location.

Grant of this STA 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 Intelsat's coordination agreements related to the location.


Ms. Marlene H. Dortch
January 13, 2012
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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.⁵

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

Sincerely,



Susan H. Crandall
Assistant General Counsel
Intelsat Corporation

cc: Stephen Duall
Jay Whaley
Kathryn Medley

⁵ 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).