

S2396 SAT-STA-20110426-00077 IB2011001210
Intelsat License LLC
Intelsat 709

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File Number: SAT-STA-20110426-00077
Callsign:



File # SAT-STA-20110426-00077
Call Sign S2396 Grant Date 05/24/11
(or other identifier) Term Dates period of
From 05/01/11 To: 30 days
Approved: Stephen J. Duall

Approved by OMB
3060-0678

Stephen J. Duall
Chief, Satellite Policy Branch

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 STA to Continue Operating Intelsat 709 at 54.85 E.L. (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
IBFS File No. SAT–STA–20110426–00077
Call Sign S2396

The application of Intelsat License LLC (formerly known as Intelsat North America LLC) (Intelsat) for special temporary authority, IBFS File No. SAT–STA– 20110426–00077, is GRANTED. Accordingly, Intelsat is authorized for a period of 30 days, commencing on May 1, 2011, to continue to operate the communications payload of the Intelsat 709 space station (Call Sign S2396) in the 3700–4200 MHz, 5925–6425 MHz, 10950–11200 MHz, 11450–11700 MHz, 12500–12750 MHz, and 14000–14500 MHz bands to provide fixed-satellite service (FSS) from the 54.85° E.L. orbital location.¹ This authorization shall be in accordance with the technical specifications set forth in Intelsat’s application, Federal Communication Commission (Commission) rules, and is subject to the following conditions:

1. Intelsat’s operations at the 54.85° E.L. orbital location shall be on a non-harmful interference basis, i.e., Intelsat shall not cause harmful interference to, and shall not claim protection from, interference cause to it by, any other lawfully operating space station. In the event of any harmful interference during Intelsat’s operations at the 54.85° 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.
2. Intelsat shall inform its customers that operations at the 54.85° E.L. orbital location are on a non-harmful interference basis and that Intelsat must cease operations upon notification of such interference.
3. Intelsat’s request that the Part 25 technical waivers previously granted for the operations of Intelsat 709, *i.e.* Sections 25.202(g), 25.210(a)(1), 25.210(a)(3), 25.210(c), 25.210(i)(1), and 25.211(a); 47 C.F.R. §§ 25.202(g), 25.210(a)(1), 25.210(a)(3), 25.210(c), 25.210(i)(1), and 25.211(a) continue to apply to the operations of Intelsat 709 at the 54.85° W.L. orbital location IS GRANTED. *See* Intelsat LLC, Memorandum Opinion and Order, 15 FCC Rcd 15460 (2000), *recon. denied*, 15 FCC Rcd 25234 (2000).
4. While at the 54.85° E.L. orbital location, Intelsat shall maintain the Intelsat 709 space station with an east/west longitudinal station-keeping tolerance of +/- 0.05 degrees.
5. Intelsat shall maintain full operational control of the Intelsat 709 space station at all times.
6. Grant of this authorization is based on Intelsat’s representation that it will dispose of the Intelsat 709 spacecraft at end of life to a minimum altitude of 150

¹ The Intelsat 709 space station is currently licensed to operate at the 54.85 E.L. orbital position (IBFS File No. SAT–MOD–20091106–00117, as amended by SAT–AMD–20100104–00003) however, a condition of that license grant states that “Intelsat is authorized to operate the communications payload of the Intelsat 709 satellite at the 54.85° E.L orbital location until expiration of its current agreement with the Indian Space Research Organization (ISRO), which has been extended until March 31, 2011.” Intelsat subsequently obtained an extension of the ISRO agreement, which now expires on June 30, 2011. *See* Letter to Marlene S; Dortch, Secretary, FCC, from Susan H. Crandall, Assistant General Counsel, Intelsat Corporation, dated March 29, 2011.

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kilometers (perigee) above the geostationary arc, that it has reserved 20.42 kilograms of fuel for this purpose, and that fuel gauging uncertainty has been and will be taken into account in these calculations, using the methods set forth in Intelsat's application.

7. This authorization is issued on the understanding that Intelsat, pursuant to its agreement with the Indian Space Research Organization (ISRO), will conform its operations of the Intelsat 709 space station to parameters agreed to in coordination agreements between the Administration of India and other Administrations. As the United States remains the licensing authority, responsibility for both compliance with and enforcing compliance with those agreements is a matter that would arise under private law.
8. This authorization is also issued on the understanding that, in regards to filings with the International Telecommunication Union (ITU), the Administration of India is not acting pursuant to Article 9.1 of the Radio Regulation on behalf of the United States administration.
9. This authorization is also issued on the understanding that the United States remains the licensing administration, for purposes of ITU Radio Regulation 18.1, for the Intelsat 709 space station, and that its operations at 54.85° E.L. are pursuant to ITU Radio Regulation 4.4.
10. Intelsat shall prepare and submit to the Federal Communications Commission, within fifteen days following grant of this authorization, the necessary materials for submission to the ITU, pursuant to Article 8.4 of the Radio Regulations, in connection with the operations of the Intelsat 709 space station at the 54.85° E.L. orbital location.
11. This authorization is issued on the understanding that this grant is not an approval of any specific agreement entered into by Intelsat, its subsidiaries, and affiliates, nor of any specific provision of any such agreement, concerning operation of the Intelsat 709 space station, nor is it an approval of an agreement concerning any related matter, nor of any specific provision of any such agreement concerning any related matter.
12. This authorization is issued on the understanding that this grant does not in any way express a view concerning, or agreement as to, the validity or lack of validity of any ITU filing at or within the vicinity of the 54.85° E.L. orbital location.
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. The EIRP density in the frequency bands 10.95-11.20 GHz, 11.45-11.70 GHz, and 12.50-12.75 GHz from the Intelsat 709 space station shall not exceed -30.1 dBW/Hz in the downlink, and the uplink power spectral density in the frequency band 14.0-14.5 GHz shall not exceed -54.5 dBW/Hz.


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15. The EIRP density in the frequency band 3700-4200 MHz from the Intelsat 709 space station shall not exceed -45.0 dBW/Hz in the downlink and the uplink power spectral density in the frequency band 5925–6425 MHz shall not exceed -58.0 dBW/Hz.
16. The operation of the Intelsat 709 space station in the 10.95-11.20 GHz and 11.45-11.70 GHz band 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).
17. Intelsat’s use of the 10.95-11.20 GHz and the 11.45-11.70 GHz band 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.
18. 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.
19. Intelsat’s operation of the communications payload for Intelsat 709 at the 54.85° E.L. orbital location is subject to the terms and conditions of Intelsat’s agreement with ISRO, which expires on June 30, 2011. In the event that this agreement is terminated, Intelsat must either seek authority from the Commission to extend the term of this operation, or cease operating the communications payload of the Intelsat 709 at the 54.85° E.L orbital location. In any event, Intelsat may continue to operate the TT&C payload on Intelsat 709.
20. Intelsat shall either establish sufficient contact with the operator of the Express AM22 space station to ascertain the times, frequencies and types of emissions to be used for the Express AM22’s operations, or establish a monitoring function to determine such.
21. In the event that an operator-to-operator arrangement is not reached between Intelsat and the operator of the Express AM22 space station, and if the Express AM22 space station utilizes receive antenna diameters of less than 1.2 meters within a beam which overlaps the coverage area of the Intelsat 709 space station beam, in the 10950-11200 MHz, 11450-11700 MHz, and 12500-12750 MHz frequency bands, then Intelsat shall maintain an EIRP density of no greater than 39.25 dBW/36 MHz in the downlink transponders co-frequency with the Express AM22 transmissions utilizing those antennas.
22. Grant of this authorization does not constitute “specific authority” pursuant to Section 25.161(c) of the Commission’s rules.
23. Grant of this authorization is without prejudice to any decision regarding Intelsat's ability to file an application for authorization to operate a replacement space station in the 3700-4200 MHz and 5925-6425 MHz frequency bands at the 85.15°

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W.L. orbital location.² Grant of this authorization does not constitute an announcement that these frequencies are available for reassignment.

24. Intelsat is afforded thirty days from the date of release of this grant and authorization to decline this authorization as conditioned. Failure to respond within this period will constitute formal acceptance of the authorization as conditioned.
25. 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 * with conditions	File # <u>SAT-STA-20110426-00077</u>
	Call Sign <u>S2396</u> Grant Date <u>05/24/11</u>
	(or other identifier)
	Term Dates <u>period of</u> From <u>05/01/11</u> To: <u>30 days</u>
	Approved: <u>Stephen J. Duall</u> Stephen J. Duall Chief, Satellite Policy Branch

² Intelsat 15 (Call Sign S2789) is authorized to operate at the 85.15° E.L. orbital location that was formerly occupied by Intelsat 709. See SAT-LOA-20090410-00043 (granted Nov. 25, 2009). In its application to operate Intelsat 15 at 85.15° E.L., Intelsat did not seek, and was not granted, authority to use the 3700-4200 MHz and 5925-6425 MHz frequency bands, which were authorized for use by Intelsat 709 at that location. Intelsat 709 left the 85.15° E.L. orbital location pursuant to a grant of STA. As of the date of this action, no Intelsat space station is operating in the 3700-4200 MHz and 5925-6425 MHz frequency bands at the 85.15° E.L. orbital location.

2. Contact	
Name:	Intelsat License LLC
Company:	Intelsat License LLC
Street:	c/o Intelsat Corporation
City:	3400 International Drive, N.W.
Country:	Washington
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 checked="" type="radio"/> Extend Expiration Date
	<input type="radio"/> Other
6. Temporary Orbit Location	
7. Requested Extended Expiration Date	
2011-05-30 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: 5px;"> <p>Intelsat License LLC herein requests an additional 30-day extension, from May 1, 2011 through May 30, 2011, to continue operating the communications payload on the Intelsat 709 satellite (call sign S2396) at the 54.85 E.L. orbital location.</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%;"> <tr> <td style="width: 50%;">Attachment 1: STA Request</td> <td style="width: 50%;">Attachment 2:</td> </tr> <tr> <td></td> <td>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.

April 26, 2011

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 Continue
Operating Intelsat 709 at 54.85° E.L., Call Sign S2396

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests a 30-day extension -- from May 1, 2011 through May 30, 2011 -- of the Special Temporary Authority¹ previously granted Intelsat to continue operating the communications payload on the Intelsat 709 satellite (call sign S2396) at the 54.85° E.L. orbital location.²

Intelsat 709 is currently operating at 54.85° E.L. pursuant to the International Telecommunication Union ("ITU") filings of the Indian Administration. The most recent extension of Intelsat's agreement with the Indian Administration authorizes Intelsat to operate a satellite at this location through June 30, 2011. A copy of that extension was previously filed with the FCC³ and is incorporated herein by reference.

The purpose of this STA request is to seek continued authority to operate Intelsat 709 at 54.85° E.L. until its planned relocation to the 72.10° E.L. orbital location on May 15, 2011.⁴ Prior to the relocation of Intelsat 709, traffic at the 54.85° E.L. orbital location will be transferred to the Intelsat 702 satellite.⁵ All information regarding the operation of the Intelsat 709 satellite at 54.85° E.L. had been provided in Intelsat's prior authorization and is incorporated herein

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-00770, File No. SAT-STA-20110325-00061 (Apr. 8, 2011) (Public Notice).

³ See Letter from Susan H. Crandall, Intelsat, to Marlene H. Dortch, Federal Communications Commission, File No. SAT-STA-20110325-00061 (March 29, 2011).

⁴ *Request for Special Temporary Authority to Drift and Operate Intelsat 709*, File No. SAT-STA-20110316-00055 (filed Mar. 16, 2011).

⁵ See *Policy Branch Information; Actions Taken*, Report No. SAT-00772, File No. SAT-STA-20110307-00051 (Apr. 15, 2011) (Public Notice).

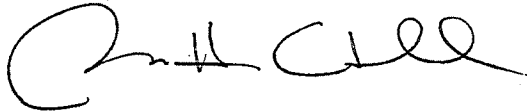
Ms. Marlene H. Dortch
April 26, 2011
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by reference.⁶ Intelsat will continue to comply with all the conditions of its current authorization to operate at the 54.85° E.L. orbital location, and asks that the Part 25 waivers originally granted to the Intelsat 709 spacecraft continue to apply, 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.⁷

Grant of this STA extension request is in the public interest because it will allow Intelsat to ensure continuity of service at the 54.85° E.L. location pending arrival of the Intelsat 702 satellite. Moreover, grant of this STA request will not result in increased risk of harmful interference. As noted above, Intelsat will continue to operate in conformance with the conditions in its current authorization.

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

Sincerely,



Susan H. Crandall
Assistant General Counsel
Intelsat Corporation

cc: Stephen Duall
Kathryn Medley

⁶ See *Policy Branch Information; Actions Taken*, Report No. SAT-00759, File No. SAT-MOD-20091106-00117 (Feb. 18, 2011) (Public Notice).

⁷ 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 and Order and Authorization), recon. denied, 15 FCC Rcd 25234 (2000) (Order on Reconsideration).