

S2396 SAT-STA-20110325-00061 IB2011000903
Intelsat License LLC
Intelsat 709

Date & Time Filed: Mar 25 2011 4:21:26:076PM
File Number: SAT-STA-20110325-00061
Callsign:

GRANTED
International Bureau
*with conditions

File # SAT-STA-20110325-00061
Call Sign S2396 **Grant Date** 04/07/11
(or other identifier)
Term Dates **Period of**
From 04/01/11 **To:** 30 days

Approved by OMB
3060-0678

Steph J. Duall
Steph J. Duall
Chief Satellite Policy Branch

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 STA to Continue Operating Communications Payload on 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-20110325-00061
Call Sign S2396

The request of Intelsat License LLC (formerly known as Intelsat North America LLC) (Intelsat), IBFS File No. SAT-STA-20110325-00061, is GRANTED. Accordingly, Intelsat is authorized for a period of 30 days, commencing on April 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, 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. Intelsat has an application for special temporary authority pending to relocate Intelsat 709 to the 72.1° E.L. orbital location (IBFS File No. SAT-STA-20110316-00055).

Attachment to Grant
IBFS File No. SAT-STA-20110325-00061
Call Sign S2396

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. 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.
11. 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.
12. 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.
13. 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.
14. 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.


Attachment to Grant
IBFS File No. SAT-STA-20110325-00061
Call Sign S2396

15. 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).
16. 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.
17. 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.
18. 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.
19. 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.
20. 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.
21. Grant of this authorization does not constitute "specific authority" pursuant to Section 25.161(c) of the Commission's rules.
22. 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° W.L. orbital location.² Grant of this authorization does not constitute an announcement that these frequencies are available for reassignment.

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

Attachment to Grant
IBFS File No. SAT-STA-20110325-00061
Call Sign S2396

23. 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.
24. 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-20110325-00061</u> |
| | Call Sign <u>S2396</u> Grant Date <u>04/07/11</u> (or other identifier) |
| | Term Dates Period of From <u>04/01/11</u> To: <u>30 days</u> |
| | Approved: <u><i>Stephen J. Duall</i></u> Stephen J. Duall Chief, Satellite Policy Branch |
| | |

operate the 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 |
| | 3400 International Drive, N.W. |
| City: | Washington |
| Country: | USA |
| 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 checked="" 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 | |
| 2011-04-30 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 (f/k/a Intelsat North America LLC) herein requests Special Temporary Authority for 30 days, from April 1, 2011 through April 30, 2011, to continue operating the communications payload on the Intelsat 709 satellite (call sign S2396) at the 54.85 E. L. orbital location.

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"; 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

The public reporting for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the required data, and completing and reviewing the collection of information. If you have any comments on this burden estimate, or how we can improve the collection and reduce the burden it causes you, please write to the Federal Communications Commission, AMD-PERM, Paperwork Reduction Project (3060-0678), Washington, DC 20554. We will also accept your comments regarding the Paperwork Reduction Act aspects of this collection via the Internet if you send them to PRA@fcc.gov. PLEASE DO NOT SEND COMPLETED FORMS TO THIS ADDRESS.

Remember – You are not required to respond to a collection of information sponsored by the Federal government, and the government may not conduct or sponsor this collection, unless it displays a currently valid OMB control number or if we fail to provide you with this notice. This collection has been assigned an OMB control number of 3060-0678.

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.

March 25, 2011

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



Re: Request for Special Temporary Authority to Continue Operating the Communications Payload on Intelsat 709 at 54.85° E.L., Call Sign S2396

Dear Ms. Dortch:

Intelsat License LLC (f/k/a Intelsat North America LLC) (“Intelsat”) herein requests Special Temporary Authority (“STA”)¹ for 30 days—from April 1, 2011 through April 30, 2011—to continue operating the communications payload on the Intelsat 709 satellite (call sign S2396) at the 54.85° E.L. orbital location.

Intelsat 709 is currently operating at 54.85° E.L. pursuant to the International Telecommunication Union (“ITU”) filings of the Indian Administration. The FCC authorization for Intelsat 709 to operate at this location includes the following condition:

“19. 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 ISRO, which has been extended until March 31, 2011. *See* Attachment, IBFS File No. SAT-STA-20101207-00256. After this date, Intelsat must either seek authority from the commission to extend the term of this authorization or cease operating the communications payload of the Intelsat 709 at the 54.85° E.L. orbital location. Intelsat may continue to operate the TT&C payload after this date.”²

The purpose of this STA request is to seek continued authority to operate Intelsat 709 at 54.85° E.L. prior to its planned relocation to the 72.10° E.L.

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 *Intelsat North America LLC, Modification to Relocate and Operate Intelsat 709 at 54.85 E.L.*, IBFS File No. SAT-MOD-20091106-00117, Condition 19 (stamp grant with conditions, Feb. 11, 2011).

Ms. Marlene H. Dortch
March 25, 2011
Page 2

orbital location on May 15, 2011.³ Intelsat will file another STA request seeking the necessary authority to operate Intelsat 709 through the end of May 2011. Prior to the relocation of Intelsat 709, and subject to receipt of FCC approval, traffic at the 54.85° E.L. orbital location will be transferred to the Intelsat 702 satellite.⁴

Intelsat expects to extend its current agreement with the Indian Administration and will file a copy of the extension when it becomes available.

All information regarding the operation of the Intelsat 709 satellite at 54.85° E.L. has been provided in Intelsat's current authorization and is incorporated herein by reference.⁵ Intelsat will continue to comply with all conditions of its 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.⁶

Grant of this STA 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 operate pursuant to its current authorization.

³ *Request for Special Temporary Authority to Drift and Operate Intelsat 709*, File No. SAT-STA-20110316-00055 (filed Mar. 16, 2011).

⁴ *See Request for Special Temporary Authority to Drift and Operate Intelsat 702, Call Sign S2388*, File No. SAT-STA-20110307-00051 (filed Mar. 7, 2011).

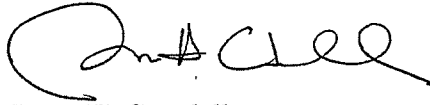
⁵ *See supra* note 2.

⁶ *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).

Ms. Marlene H. Dortch
March 25, 2011
Page 3

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

March 29, 2011



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

Re: Supplemental Information Regarding Intelsat License LLC Application for Special Temporary Authority for Intelsat 709 (Call sign S2396), File No. SAT-STA-20110325-00061 and Intelsat License LLC Application for Special Temporary Authority for Intelsat 702 (Call sign S2388), File No. SAT-STA-20110307-00051

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) hereby provides the following supplemental information relating to Intelsat’s above referenced requests for Special Temporary Authority to (1) continue operating Intelsat 709 (call sign S2396) at 54.85° E.L. pursuant to the ITU filings of the Indian Administration beyond March 31, 2011, and (2) drift Intelsat 702 to, and begin operating the satellite at, 54.85° E.L. pursuant to the ITU filings of the Indian Administration. Specifically, Intelsat attaches hereto an extension of its agreement with the Indian Administration, which authorizes Intelsat to operate a satellite at 54.85° E.L. through June 30, 2011.¹

¹ The agreement between Intelsat and the Indian Space Research Organization, Department of Space, Government of India, was originally filed under a request for confidential treatment in 2004. *See Further Amendment to Application of Intelsat LLC to Modify Authorization for Intelsat 702*, File No. SAT-AMD-20031118-00331.

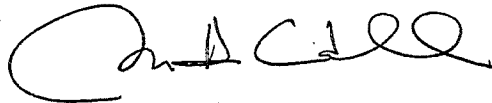
Ms. Marlene H. Dortch

March 29, 2011

Page 2

Please direct any questions about this supplement to the
undersigned.

Respectfully submitted,

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

Attachment

cc: Robert Nelson (with attachment)
Karl Kensinger (with attachment)
Kathryn Medley (with attachment)
Stephen Duall (with attachment)

Amendment 6 (dated 26 March 2011) to the Agreement (dated 6th March 2004) and its Amendments between Department of Space, Government of India and INTELSAT LLC regarding placement of an INTELSAT satellite at 54.85 degrees East

a. Replace 'Term' Paragraph 1 by the following:

'TERM'

1. The agreement shall be valid until 30 June 2011 unless terminated for default or in accordance with this section.
- b. All other terms and conditions remain unchanged.

DOS

N. Neelakantan
Authorised Signature
(N. Neelakantan)
Director, SCNP, ISRO HQ

Date: 26th March 2011

INTELSAT LLC

[Signature]
Authorised Signature
Flavien Bachabi
Deputy Chairman

Date: 29th March 2011