

File # SAT-STA-2010-0111-00006

Call Sign S2396 Grant Date 02/12/10

Term Dates period of From 02/15/10 To: 60 days

Approved by OMB 3060-0678

Approved: Stephen J. Duall

Stephen J. Duall Chief, Satellite Policy Branch



Date & Time Filed: Jan 11 2010 3:21:40:053PM
File Number: SAT-STA-20100111-00006
Callsign:

*subject to 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 STA to Drift Intelsat 709 to and Operate at 54.85 E.L. (S2396)

1. Applicant

Name: Intelsat North America LLC Phone Number: 202-944-7848
DBA Name: Fax Number: 202-944-7870
Street: c/o Intelsat Corporation E-Mail: susan.crandall@intelsat.com
3400 International Drive, N.W.
City: Washington State: DC
Country: USA Zipcode: 20008 -3006
Attention: Susan H Crandall

Attachment to Grant
IBFS File No. SAT-STA-20100111-00006
Call Sign S2396
February 12, 2010

The request of Intelsat North America LLC (Intelsat) for special temporary authority for a period of 60 days in order to drift its C- and Ku-band space station, Intelsat 709 (Call Sign S2396) to – and to operate the Intelsat 709 space station at – the 54.85 ° E.L. orbital location, IBFS File No. SAT-STA-20100111-00006, is granted. Accordingly, Intelsat is authorized, for a period of 60 days commencing on February 15, 2010, to conduct Telemetry, Tracking, and Command operations with the Intelsat 709 space station to effect the drift of the Intelsat 709 space station from the 85.15° E.L. orbital location to the 54.85° E.L. orbital location using the following frequencies: 6173.7 MHz and 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 authorized to operate the Intelsat 709 space station in the 3700–4200 MHz (space-to-Earth), 5925–6425 MHz (Earth-to-space), 10950–11200 MHz (space-to-Earth), 11450–11700 MHz (space-to-Earth), 12500–12750 MHz (space-to-Earth), and 14000–14500 MHz (Earth-to-space) frequency bands to provide fixed-satellite service (FSS) from the 54.85° E.L. orbital location once it arrives at that location. This authorization shall be in accordance with the technical specifications set forth in Intelsat’s application, the Commission’s rules, and the following conditions:

1. All operations during the drift 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 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.
3. During the drift to the 54.85° E.L. orbital location, Intelsat may not operate Intelsat 709’s communications payload.
4. 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.
5. 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.
6. Any action taken or expense incurred as a result of operations pursuant to this special temporary authority is solely at Intelsat’s own risk.

Attachment to Grant
IBFS File No. SAT-STA-20100111-00006
Call Sign S2396
February 12, 2010

7. While at the 54.85° E.L. orbital location, Intelsat shall maintain the Intelsat 709 spacecraft with an east/west longitudinal station-keeping tolerance of +/- 0.05 degrees.
8. Intelsat shall maintain full operational control of the Intelsat 709 space station at all times.
9. This authorization is issued on the understanding that Intelsat, pursuant to its agreement with the Indian Space Research Organization (ISRO), will conform its operations 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 which would arise under private law.
10. 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.
11. This authorization is also issued on the understanding that the Federal Communications Commission remains the licensing administration, for purposes of ITU Radio Regulation 18.1, for the Intelsat 709 space station, and that its operations are pursuant to ITU Radio Regulation 4.4.
12. 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.
13. 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.
14. 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.
15. The EIRP density in the frequency bands 10950-11200 MHz, 11450-11700 MHz, and 12500-12750 MHz 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 14000-14500 MHz shall not exceed -54.5 dBW/Hz.

Attachment to Grant
IBFS File No. SAT-STA-20100111-00006
Call Sign S2396
February 12, 2010

16. The EIRP density in the frequency band 3700-4200 MHz from the Intelsat 706 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.

17. 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.

18. 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.

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

20. Grant of this authorization is without prejudice to any determination that the Commission may make regarding Intelsat's pending application to modify the authorization of the Intelsat 709 space station in order to re-locate it to the 54.85° E.L. orbital location (IBFS File No. SAT-MOD-20091106-00117, as amended by SAT-AMD-20100104-00003).

21. 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.

22. 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.



* subject to conditions

File # SAT- STA- 2010 0111- 00006
Call Sign S2396 Grant Date 02/12/10
(or other identifier)
Term Dates period of
From 02/15/10 To: 60 days
Approved: Stephen J. Duall

Stephen J. Duall
Chief, Satellite Policy Branch

2. Contact	
Name:	Intelsat North America LLC
Company:	Intelsat North America 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 SATMOD2009110600117 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	
54.85 E.L.	
7. Requested Extended Expiration Date	

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 North America LLC herein requests Special Temporary Authority for 60 days beginning February 15, 2010 to drift Intelsat 709, call sign S2396, from 85.15 E.L. to 54.85 E.L. and begin operating at 54.85 E.L.

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

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.

January 11, 2010

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



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

Dear Ms. Dortch:

Intelsat North America LLC ("Intelsat") herein requests Special Temporary Authority ("STA")¹ for 60 days beginning February 15, 2010 to drift Intelsat 709 (call sign S2396) from 85.15° E.L. to 54.85° E.L. and begin operating at 54.85° E.L. Intelsat has a pending application for permanent authority to redeploy Intelsat 709 to 54.85° E.L., where it will operate in the C- and Ku-bands pursuant to the ITU filings of the Indian Administration.² In that application, Intelsat indicated it expected to begin drifting in early April and begin service shortly thereafter. In order to satisfy customer demand, Intelsat has decided to begin the drift of Intelsat 709 earlier – as early as February 15 – and thus seeks STA to drift the satellite and begin operating pending action on the application for permanent authority.

Intelsat 709 is currently licensed to operate at 85.15° E.L.³ Following traffic transfer from Intelsat 709 to Intelsat 15, Intelsat 709 will be relocated to 54.85° E.L. where it will replace Intelsat 706, which currently operates at that location

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

² See *Application of Intelsat North America to Modify License for Intelsat 709*, File No. SAT-MOD-20091106-00117 (filed Nov. 6, 2009); *Application of Intelsat North America LLC to Amend Application*, File No. SAT-AMD-20100104-00003 (filed Jan. 4, 2010).

³ 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, at Appendix A, Table 1 (2000) (Memorandum Opinion and Order and Authorization), *recon. denied*, 15 FCC Rcd 25234 (2000) (Order on Reconsideration); *Intelsat North America LLC; Application to Modify License for the INTELSAT 709 Satellite to Include Fixed-Satellite Serv. in the 11.7-11.95 GHz Frequency Band*, Order, 22 FCC Rcd 11,989 (2007).

Ms. Marlene H. Dortch
January 11, 2010
Page 2

pursuant to the ITU filings of the Indian Administration.⁴ Subject to receipt of FCC approval, Intelsat expects to begin operating Intelsat 709 at 54.85° E.L. at the beginning of April 2010.

During the drift of Intelsat 709 from 85.15° E.L. to 54.85° 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)

Grant of this STA request is in the public interest because it will allow Intelsat – in response to customer demand -- to begin drifting Intelsat 709 and operating the satellite at 54.85° E.L. earlier than originally planned. In addition, grant will ensure continuity of service to customers in the Indian Ocean region.

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 54.85° E.L., Intelsat will operate the communications payload in conformance with the Indian Administration's coordination agreements related to the nominal 55.0° E.L. location. Intelsat also agrees to

⁴ Intelsat's recent extension of its agreement with the Indian Administration allows Intelsat to operate a satellite at 54.85° E.L. through December 31, 2010. That extension was attached to a previously-filed STA request (*see* File No. SAT-STA-20091201-00134) and is incorporated herein by reference.

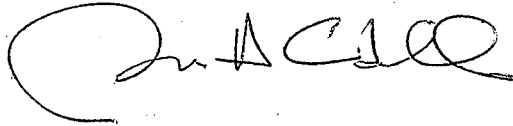
Ms. Marlene H. Dortch
January 11, 2010
Page 3

operate Intelsat 709 at 54.85° E.L. consistent with the conditions previously imposed on Intelsat's operation of Intelsat 706 at this same orbital location.⁵

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.⁶ 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.

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

Sincerely,



Susan H. Crandall
Assistant General Counsel
Intelsat Corporation

cc: Karl Kensinger
Kathryn Medley
Stephen Duall

⁵ See IBFS File No. SAT-MOD-20081124-00218 (grant stamp, dated Mar. 20, 2009).

⁶ Intelsat will file a future application for authority to relocate the Intelsat 706 satellite.