

\* DISMISSED AS MOOT \*

S2401 SAT-STA-20090305-00032 IB2009000617  
Intelsat North America LLC

File # SAT-STA-20090305-00032  
See also SPT-MOD-20081124-00218

Call Sign \_\_\_\_\_ Grant Date \_\_\_\_\_  
(or other identifier) Term Dates \_\_\_\_\_

Approved by OMB  
3060-0678

From \_\_\_\_\_ To: \_\_\_\_\_  
Approved: *Stephen J. Duall*  
Chief, Policy Branch



Date & Time Filed: Mar 5 2009 5:47:18:516PM  
File Number: SAT-STA-20090305-00032  
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 Special Temporary Authority to Drift Intelsat 706 to 54.85 E.L. (Call Sign S2401)

1. Applicant

<b>Name:</b>	Intelsat North America 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		

**Attachment**  
**IBFS File Nos. SAT-MOD-20081124-00218; SAT-STA-20090305-00032**  
**Call Sign: S2401**  
**March 20, 2009**

The request of Intelsat North America LLC (Intelsat) to modify its authority in order to drift its C- and Ku-band space station, Intelsat 706 (Call Sign: S2401), to – and to operate the Intelsat 706 space station at – the 54.85° E.L. orbital location, IBFS File No. SAT-MOD-20081124-00218, IS GRANTED.<sup>1</sup> Accordingly, Intelsat is authorized to provide Fixed Satellite Services (FSS) 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), 12.50-12.75 GHz (space-to-Earth), and 14.0-14.5 GHz (Earth-to-space) frequency bands using the Intelsat 706 space station at the 54.85° E.L. orbital location. Additionally, Intelsat is authorized to conduct space station Telemetry, Tracking, and Control (TT&C) operations necessary to effect the drift to, and operations at, the 54.85° E.L. orbital location in the following frequency bands: 6173.7 MHz, 6176.3 MHz (left-hand circular polarization/Earth-to-space); 3947.5 MHz, 3948.0 MHz (right-hand circular polarization/space-to-Earth); and 3952.5 MHz, 3952.0 MHz (right-hand circular polarization/space-to-Earth). All operations are authorized in accordance with the technical specifications set forth in Intelsat's application, the Federal Communications 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 space station.

2. In the event of any harmful interference during Intelsat 706'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 706'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 caused to it by, any other lawfully operating space station.

5. In the event of any harmful interference as a result of 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.

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<sup>1</sup> We also grant Intelsat's request that the Part 25 technical waivers granted to the Intelsat 706 space station in its original license continue to apply to the Intelsat 706 space station at the 54.85° E.L. orbital location. *See Applications of Intelsat LLC For Authority to Operate, and to Further Construct, Launch and Operate C-Band and Ku-Band Global Satellites That Form a Global Communications System in Geostationary Orbit*, 15 FCC Rcd 15460, Appendix C (2000) (*Memorandum Opinion and Order and Authorization*), *recon. denied*, 15 FCC Rcd 24234 (*Order on Reconsideration*).

6. 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.

7. While at the 54.85° E.L. orbital location, Intelsat shall maintain the Intelsat 706 spacecraft with an east/west longitudinal station-keeping tolerance of +/- 0.05 degrees.

8. Intelsat shall maintain full operational control of the Intelsat 706 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 706 space station, and that its operations are pursuant to ITU Radio Regulation 4.4.

12. 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 706 space station at the 54.85° E.L. orbital location.

13. 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 706 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.

14. 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.

15. 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.

16. The EIRP density in the frequency bands 10.95-11.2 GHz, 11.45-11.7 GHz, and 12.5-12.75 GHz from the Intelsat 706 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.

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 706 space station beam, in the 10.95-11.2 GHz, 11.45-11.7 GHz, and 12.5-12.75 GHz, 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. 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.

20. Intelsat is authorized to operate the communications payload of the Intelsat 706 satellite at the 54.85° E.L orbital location until expiration of its currently agreement with ISRO, which has been extended until September 5, 2009. *See Intelsat North America LLC, Request for Special Temporary Authority to Continue Operating the Intelsat 702 Satellite at 54.85° E.L., Amendment 1, IBFS File No. SAT-STA-20090206-00017 (granted March 6, 2009).* 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 706 at the 54.85° E.L orbital location. Intelsat may continue to operate the TT&C payload after this date. Grant of this modification application does not change the expiration date of the authorization for Intelsat 706, which is May 16, 2010.

21. Intelsat's application was placed on public notice on January 23, 2009. On February 23, 2009, New Skies Satellites, B.V. (New Skies) filed a Petition to Deny or Condition Intelsat's application. New Skies requested the Commission to deny Intelsat's application, or condition any such authorization, in order to address an alleged potential for interference to New Skies' operations at the adjacent 57 E.L. orbital location. Intelsat filed an opposition to New Skies' petition on March 6, 2009. New Skies replied on March 13, 2009, that in light of the clarifications Intelsat made in its opposition, it no longer objected to grant of Intelsat's application to operate Intelsat 706 at 54.85° E.L, provided that such operations are under the same conditions that the Commission imposed on the operation of the Intelsat 702 satellite at 54.85° E.L. *See New Skies Reply at 2; see also Intelsat LLC, IBFS File No. SAT-AMD-20040310-00029 (granted March 19, 2004).* We note that this grant imposes the same conditions on the Intelsat 706 satellite at 54.85° E.L as were imposed on the Intelsat 702 satellite at that same location. Accordingly, New Skies' petition to deny is rendered moot by its March 13 Reply, and its request for conditions is satisfied by the conditions that we have placed on this authorization.

22. Intelsat's request for special temporary authority to drift the Intelsat 706 space station from 50.25° E.L. to 54.85° E.L. for a period of 30 days beginning March 21, 2009, IBFS File No. SAT-STA-20090305-00032, is DISMISSED AS MOOT in light of the grant of Intelsat's modification application to drift Intelsat 706 to, and to operate the Intelsat 706 space station at, the 54.85° E.L. orbital location, IBFS File No. SAT-MOD-20081124-00218.

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.


SAT-MOD-20081124-00218

File # SAT-STA-20090305-00032

Call Sign S2401 Grant Date 03/20/09  
(or other identifier)

Term Dates See attached  
From 03/20/09 To: conditions

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



GRANTED\*  
National Bureau

\*subject to conditions

2. Contact	
<b>Name:</b>	Intelsat North America LLC
<b>Company:</b>	Intelsat North America LLC
<b>Street:</b>	c/o Intelsat Corporation
	3400 International Drive, N.W.
<b>City:</b>	Washington
<b>Country:</b>	USA
<b>Attention:</b>	Susan H. Crandall
<b>Phone Number:</b>	202-944-7848
<b>Fax Number:</b>	202-944-7870
<b>E-Mail:</b>	susan.crandall@intelsat.com
<b>State:</b>	DC
<b>Zipcode:</b>	20008 -3006
<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 SATMOD2008112400218 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	

<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 North America LLC herein requests Special Temporary Authority for 30 days beginning 03/21/2009 to drift Intelsat 706 from 50.25 E.L. to 54.85 E.L. and operate only TT&amp;C frequencies of Intelsat 706 at that location. Intelsat has a pending application to modify the license of Intelsat 706 to allow it to relocate the satellite to, and operate</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: center;"> <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>Attachment 3:</td> <td></td> </tr> </table>		Attachment 1: STA Request	Attachment 2:	Attachment 3:	
Attachment 1: STA Request	Attachment 2:				
Attachment 3:					
<p style="text-align: center;"> <b>WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND / OR IMPRISONMENT</b>          (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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## **8. Description**

Intelsat North America LLC herein requests Special Temporary Authority for 30 days beginning 03/21/2009 to drift Intelsat 706 from 50.25 E.L. to 54.85 E.L. and operate only TT&C frequencies of Intelsat 706 at that location. Intelsat has a pending application to modify the license of Intelsat 706 to allow it to relocate the satellite to, and operate it in the C- and Ku-bands at, 54.85 E.L.