

S2401 SAT-STA-20101022-00223 IE2010003288
INTELSAT NORTH AMERICA LLC
IS 706

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File Number: SAT-STA-20101022-00223
Callsign:

File # SAT-STA-20101022-00223
Call Sign S2401 Grant Date 11/09/10
(or other identifier) Term Dates period of
From 10/29/10 To: 60 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 Further Extension of Special Temporary Authority to Drift Intelsat 706, Call Sign S2401

I. Applicant

Name:	Intelsat North America 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
IBFS File No. SAT-STA-20101022-00223
Call Sign S2401

The request of Intelsat North America North America LLC (Intelsat), IBFS File No. SAT-STA-20101022-00223, is granted. Accordingly, Intelsat is authorized for a period of 60 days commencing on October 29, 2010 to continue to operate Telemetry, Tracking, and Telecommand (TT&C) operations with the Intelsat 706 space station (Call Sign S2401) necessary to maintain Intelsat 706 at 72.1° E.L., 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 granted authority to continue to provide Fixed-Satellite Service at the 72.1° E.L. orbital location on a temporary basis using 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. This authorization shall be in accordance with the technical specifications set forth in Intelsat's application, Federal Communications Commission (Commission) rules, and the following conditions:

1. All operations of Intelsat 706 during operation at the 72.1° E.L. orbital location 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 706's operation at the 72.1° 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. Intelsat shall maintain full operational control of Intelsat 706 at all times.
4. Intelsat shall operate Intelsat 706 at the 72.1° E.L. orbital location in accordance with any existing coordination agreements for this location.
5. 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.
6. While at the 72.1° E.L. orbital location, Intelsat shall maintain the Intelsat 706 space station with an east/west longitudinal station-keeping tolerance of +/- 0.05 degrees.
7. Intelsat's request that the Part 25 technical waivers previously granted to the Intelsat 706 space station continue to apply to the temporary operations at the 72.1° E.L. orbital location, is granted. *See* Intelsat LLC, Memorandum Opinion and Order, 15 FCC Rcd 15460 (2000), *recon. denied*, 15 FCC Rcd 25234 (2000).

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8. 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.

9. Intelsat's operation of the Intelsat 706 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 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).


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

11. Grant of this authorization is without prejudice to any determination that the Commission may make regarding Intelsat's pending application to re-locate the Intelsat 706 space station to the 72.1° E.L. orbital location, IBFS File No. SAT-MOD-20100511-00098.

12. This grant of special temporary authority is without prejudice (1) to any decision with respect to any replacement expectancy at the 72.1° E.L. orbital location, or (2) any action on the Petition for Specific Authority Under Section 25.161(c) filed by PanAmSat Licensee Corp. on April 5, 2010, to retain authority to use C- and Ku-band frequencies at the nominal 72° E.L. orbital location.

13. 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.

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. 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-20101022-00223</u>
	Call Sign <u>S2401</u> Grant Date <u>11/09/10</u>
	(or other identifier)
	From <u>10/29/10</u> Term Dates <u>period of 60 days</u>
	Approved: <u>Stephen J. Duall</u> Stephen J. Duall Chief, Satellite Policy Branch

2. Contact	
Name:	Intelsat North America LLC
Company:	Intelsat North America LLC
Street:	c/o Intelsat Corporation
City:	3400 International Drive, N.W. 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 SATMOD2010051100098 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 72.1 E.L.	
7. Requested Extended Expiration Date 2010-12-27 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 North America LLC herein requests a 60-day further extension, from October 29, 2010 through December 27, 2010, of the Special Temporary Authority previously granted Intelsat to drift Intelsat 706 (call sign S2401) from 54.85 E.L. to 72.1 E.L. and operate at 72.1 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

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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.

October 22, 2010

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



Re: Request for Further Extension of Special Temporary Authority to
Drift and Operate Intelsat 706
Call Sign S2401.

Dear Ms. Dortch:

Intelsat North America LLC ("Intelsat") herein requests a 60-day further extension -- from October 29, 2010 through December 27, 2010 -- of the Special Temporary Authority ("STA")¹ previously granted Intelsat to drift Intelsat 706 (call sign S2401) from 54.85° E.L. to 72.1° E.L. and operate at 72.1° E.L.² Intelsat has a pending application for permanent authority to redeploy Intelsat 706 to 72.1° E.L., where it will operate in the C- and Ku-bands.³

Intelsat 706 is currently operating at 72.1° E.L.⁴ At that location, Intelsat 706 followed Intelsat 4 (call sign S2461), which was de-orbited due to an anomaly.⁵

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 *Policy Branch Information; Actions Taken*, Report No. SAT-00693, File No. SAT-STA-20100326-00057 (May 28, 2010) (Public Notice); *Policy Branch Information; Actions Taken*, Report No. SAT-00720, SAT-STA-20100824-00181 (Sept. 10, 2010) (Public Notice).

³ See *Policy Branch Information; Satellite Space Applications Accepted for Filing*, Report No. SAT-00703, File No. SAT-MOD-20100511-00098 (Jul. 2, 2010) (Public Notice).

⁴ The satellite arrived at 72.1° E.L. in early August.

⁵ See *PanAmSat Licensee Corp. Request for Special Temporary Authority to Conduct Emergency Operations for the Intelsat 4 Satellite, Call Sign S2461*, File No. SAT-STA-20100205-00022 (stamp grant Mar. 8, 2010); *PanAmSat Licensee Corp., Request for Extension of Special Temporary Authority to Conduct Emergency Operations for the Intelsat 4 Satellite, Call Sign S2461*, File No. SAT-STA-20100212-00026 (stamp grant Mar. 8, 2010); *PanAmSat Licensee Corp. Request for Further Extension of Special Temporary Authority to Conduct Emergency Operations for the Intelsat 4 Satellite, Call Sign S2461*, File No. SAT-STA-20100224-00035 (stamp grant Mar. 8, 2010). On March

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Intelsat will continue to utilize the following TT&C frequencies on Intelsat 706 at 72.1° E.L.:

Uplink:

6173.7 (LHCP)

6176.3 (LHCP)

Downlink:

3947.5 (RHCP)

3948.0 (RHCP)

3952.5 (RHCP)

3952.0 (RHCP)

Intelsat will continue to utilize the following communications frequencies on Intelsat 706 at 72.1° E.L.:

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)

14000 – 14500 MHz (Earth-to-space)

Grant of this STA further extension request is in the public interest because it will allow Intelsat to continue offering services to customers in the Indian Ocean region from this location following the emergency de-orbit of Intelsat 4.

Grant of this STA request will not result in increased risk of harmful interference. Intelsat will continue to operate the communications payload in conformance with Intelsat's coordination agreements related to the nominal 72.0° E.L. location.

10, 2010, PanAmSat filed a notice of de-orbit, informing the Commission that the Intelsat 4 satellite had been de-orbited to an altitude of 914.5 km above the geostationary arc. *See Letter from Susan H. Crandall to Marlene H. Dortch, Re: Intelsat 4 De-Orbit, Call Sign S2461* (filed Mar. 10, 2010).

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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 706 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 706 at 72.1° E.L. Finally, Intelsat is not aware of any system with an overlapping station-keeping volume with Intelsat 706 at 72.1° E.L. 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,

A handwritten signature in black ink, appearing to read "S. H. Crandall", written in a cursive style.

Susan H. Crandall
Assistant General Counsel
Intelsat Corporation

cc: Karl Kensinger
Kathryn Medley
Stephen Duall