

S2401 SAT-STA-20120810-00127 IB2012001878
Intelsat License LLC
INTELSAT 706



File # SAT-STA-2012 0810-00127

Call Sign S2401 Grant Date 08/16/12

(or other identifier)

Term Dates period of

From 08/16/12

To: 30 days

Approved by OMB
3060-0678

Approved:

Stephen J. Dull
Stephen J. Dull
Chief, Satellite Policy Branch

*With conditions

Date & Time Filed: Aug 10 2012 3:57:07:476PM
File Number: SAT-STA-20120810-00127
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 and Operate Intelsat 706, Call Sign S2401

I. 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		

Intelsat License LLC
IBFS File No. SAT–STA–20120810–00127
Call Sign: S2401

The application of Intelsat License LLC (Intelsat) for special temporary authority, IBFS File No. SAT–STA–20120810–00127, IS GRANTED. Specifically, Intelsat is authorized, for a period of 30 days, commencing on August 16, 2012, to operate Telemetry, Tracking, and Command (TT&C) operations with the Intelsat 706 space station (Call Sign S2401) necessary to drift the space station from the 72.0° E.L. orbital location to the 157.0° E.L. orbital location using the following frequencies: 6173.7 MHz and 6176.3 MHz (Earth-to-space); 3947.5 MHz, 3948.0 MHz, 3952.5 MHz, and 3952.0 MHz (space-to-Earth).¹ Operations under this authorization must be in accordance with the terms and conditions contained in Intelsat’s application, the Federal Communications Commission’s rules not waived herein, and are subject to the following conditions:

1. All operations under this grant of special temporary authority 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 radiocommunication system.

2. In the event of any harmful interference as a result of the operations under this grant of special temporary authority, Intelsat shall cease operations immediately upon notification of such interference and shall immediately inform the Commission, in writing, of such an event.

3. Intelsat shall coordinate the operations of Intelsat 706 with existing geostationary space stations to ensure that no unacceptable interference results from its operations during drift to the 157.0° E.L. orbital location.

4. Intelsat shall operate only the TT&C frequencies on Intelsat 706 during the space station’s drift from the 72.0° E.L. orbital location to the 157.0° E.L. orbital location.

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

6. This action is without prejudice to any decision regarding Intelsat’s replacement expectancy to operate a space station in the 10.95-11.2 GHz and 11.7-11.95 GHz frequency bands at the nominal 72.0° E.L. orbital location.²

7. Intelsat shall notify the Chief, Satellite Division, in writing, of the date that the


¹ Intelsat indicates that it seeks only drift authority for Intelsat 706 in the instant application, and that it intends shortly to file a license modification application seeking operational authority at the 157.0° E.L. orbital location.

² The Satellite Division recently determined that Intelsat (in the name of a previous subsidiary company) retained a replacement expectancy to operate a space station at the nominal 72° E.L. orbital location in the 3700-4200 MHz, 5925-6425 MHz, 11.45-11.7 GHz, 12.5-12.75 GHz, and 14.0-14.5 GHz frequency bands that were previously authorized for use by the Intelsat 4 space station. *PanAmSat Licensee Corp.*, Memorandum Opinion and Order, DA 12-385 (rel. Mar. 9, 2012). On March 15, 2012, the Satellite Division authorized Intelsat to operate Intelsat 22 (Call Sign S2846) at the 72.1° E.L. orbital location in these bands. *See* IBFS File No. SAT-LOA-20110929-00193. Intelsat 22 will not use the 10.95-11.2 GHz and 11.7-11.95 GHz frequency bands that were authorized for use by Intelsat 709 (Call Sign S2396) at 72.1° E.L. and Intelsat 706 (Call Sign S2401) at 72.0° E.L., *see* IBFS File Nos. SAT-MOD-20110428-00081 & SAT-MOD-20100511-00098. On May 16, 2012, the Satellite Division granted special temporary authority to Intelsat to begin to drift Intelsat 709 from 72.1° E.L. to 47.5° E.L., IBFS File No. SAT-STA-20120409-00066. Intelsat also has a pending application for regular authority to operate Intelsat 709 at 47.5° E.L., IBFS File No. SAT-MOD-20120605-00094.

Intelsat License LLC
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Intelsat 706 space station departs the 72.0° E.L. orbital location within three business days of the departure date.

8. 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.

 GRANTED* International Bureau *with conditions	File # <u>SAT-STA-20120810-00127</u>
	Call Sign <u>S2401</u> Grant Date <u>08/16/12</u> (or other identifier)
	From <u>08/16/12</u> Term Dates <u>period of</u> To: <u>30 days</u>
	Approved: <u>Stephen J. Duall</u> Stephen J. Duall Chief, Satellite Policy Branch

2. Contact

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

- If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption [see 47 C.F.R. Section 1.1114]
- Governmental Entity Noncommercial educational licensee
- Other [please explain]

4b. Fee Classification CRY – Space Station geostationary

5. Type Request

- Change Station Location Extend Expiration Date Other

6. Temporary Orbit Location

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 License LLC herein requests Special Temporary Authority for 30 days, commencing August 16, 2012, to drift Intelsat 706 (call sign S2401) from 72.0 E.L. to 157.0 E.L., where it will eventually operate in the C- and Ku-bands in inclined orbit.

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 REVOCAATION 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 REGARDING BURDEN ESTIMATION ACT

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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 FOLLOWING NOTICE IS REGARDING BURDEN ESTIMATION ACT OF FEDERAL BUREAU OF INVESTIGATION
IS A SECURITY MATTER

August 10, 2012

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 706
Call Sign S2401
EXPEDITED TREATMENT REQUESTED

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests Special Temporary Authority ("STA")¹ for 30 days, commencing August 16, 2012, to drift Intelsat 706 (call sign S2401) from 72.0° E.L. to 157.0° E.L., where it will eventually operate in the C- and Ku-bands² in inclined orbit.³ As explained more fully below, Intelsat 706 is being redeployed to 157.0° E.L. on an emergency basis, in order to free up Intelsat 701 to move to 330.5° E.L. to ensure traffic continuity at 330.5° E.L. in light of the recently-incurred Intelsat 23 launch delay. Intelsat currently expects to operate Intelsat 706 at 157.0° E.L. until the satellite is de-orbited in the second half of 2014.

Intelsat 706 is currently operating at 72.0° E.L.⁴ Following receipt of FCC approval, Intelsat 706 will begin drifting to 157.0° E.L. on August

¹ Intelsat has filed this STA request, an FCC Form 159 and an \$860.00 filing fee electronically via the International Bureau's Filing System.

² Intelsat herein seeks only drift authority and intends shortly to file a permanent license modification application seeking operational authority at 157.0° E.L.

³ Intelsat 706 began operating in inclined orbit mode last year. See Letter from Susan H. Crandall, Intelsat, to Marlene H. Dortch, FCC, Call Sign S2401 (filed July 20, 2011).

⁴ See *Policy Branch Information; Actions Taken*, Report No. SAT-00846, File No. SAT-STA-20111230-00253 (Feb. 17, 2012) (Public Notice); *Policy Branch Information; Actions Taken*, Report No. SAT-00842, File No. SAT-STA-20120109-00002 (Feb. 3, 2012) (Public Notice); *Policy Branch Information; Actions Taken*, Report No. SAT-00829, File No. SAT-STA-20111209-00237 (Dec. 16, 2011) (Public Notice); *Policy Branch Information; Actions Taken*, Report No. SAT-00826, File No. SAT-STA-20111107-00214 (Dec. 2, 2011) (Public Notice); *Policy Branch Information; Actions Taken*, Report No. SAT-00816, File No. SAT-STA-20111010-00196 (Oct. 21, 2011) (Public Notice); *Policy Branch Information; Actions Taken*, Report No. SAT-

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16, 2012. It is expected to be on-station at that location in mid-February 2013. During the drift of Intelsat 706 from 72.0° E.L. to 157.0° E.L., Intelsat will operate only the satellite's TT&C frequencies and will coordinate the drift with potentially affected operators.

The specific TT&C frequencies are as follows:

Uplink:

6173.7 (LHCP)
6176.3 (LHCP)

Downlink:

3947.5 (RHCP)
3948.0 (RHCP)
3952.5 (RHCP)
3952.0 (RHCP)

Grant of this STA request is in the public interest because it will allow Intelsat to begin the redeployment process necessary to ensure continuity of service at 330.5° E.L., where Intelsat 801 (call sign S2391) currently operates. Given the recent failure of the Proton rocket, the launch of Intelsat 23 (call sign S2831), which is to replace Intelsat 707 (call sign S2398) at 307.0° E.L., will be delayed. As a result, Intelsat 707 may not have sufficient fuel to be redeployed to 330.5° E.L. as planned. Accordingly, Intelsat has decided to redeploy Intelsat 701, which currently operates at 157.0° E.L., to 330.5° E.L. in order to ensure service continuity at the latter location. Intelsat 706 is being redeployed immediately in order to free up Intelsat 701 to move to 330.5° E.L.

Grant of this STA request will not result in increased risk of harmful interference. Intelsat will coordinate the drift with all potentially affected operators.

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

00813, File No. SAT-STA-20110912-00177 (Oct. 7, 2011) (Public Notice); *Policy Branch Information; Actions Taken*, Report No. SAT-00802, File No. SAT-STA-20110810-00159 (Aug. 19, 2011) (Public Notice).

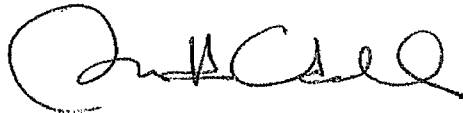
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other operational space stations. Except briefly while collocated with Intelsat 701, Intelsat 706 will not be located at the same orbital location as another satellite or at an orbital location that has an overlapping station-keeping volume with another 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 157.0° E.L. Finally, Intelsat is not aware of any system with an overlapping station-keeping volume with Intelsat 706 at 157.0° E.L. that is the subject of an ITU filing and that is either in orbit or progressing towards launch.

Intelsat requests that the Part 25 waivers originally granted to the Intelsat 706 spacecraft continue to apply at the 157.0° E.L. location, namely, the waivers of Sections 25.202(g), 25.210(a)(1), 25.210(a)(3), 25.210(i) and 25.211(a) of the Commission's rules.⁵

For the reasons set forth herein, Intelsat respectfully requests that the Commission expeditiously grant this request to allow Intelsat to commence the Intelsat 706 drift as quickly as possible.

Sincerely,



Susan H. Crandall
Assistant General Counsel
Intelsat Corporation

cc: Robert Nelson
Stephen Duall
Jay Whaley

⁵ 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).