

S2401 SAT-STA-20121107-00193 IB2012002569  
Intelsat License LLC  
INTELSAT 706



File # SAT-STA-20121107-00193

Call Sign S2401 Grant Date 11/28/12  
(or other identifier)

From 11/14/12 Term Dates period of To: 30 days

Approved by OMB  
3060-0678

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

\* with conditions

Date & Time Filed: Nov 7 2012 5:22:45:463PM  
File Number: SAT-STA-20121107-00193  
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 Further Extension of Special Temporary Authority to Drift and Operate Intelsat 706, Call Sign S2401


1. Applicant

<b>Name:</b>	Intelsat License 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		

**Intelsat License LLC**  
**IBFS File No. SAT-STA-SAT-STA-20121107-00193**  
**Call Sign S2401**

The application of Intelsat License LLC (Intelsat) for special temporary authority, IBFS File No. SAT-STA-20121107-00193, is GRANTED. Specifically, Intelsat is authorized, for a period of 30 days, commencing on November 14, 2012, to continue 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). Operations under this authorization must be in accordance with the terms and conditions contained in Intelsat's application and 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 must be on an unprotected and non-harmful interference basis, *i.e.*, Intelsat must 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 must cease operations immediately upon notification of such interference and must immediately inform the Commission, in writing, of such an event.
3. Intelsat must 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 must 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. Intelsat must maintain full operational control of Intelsat 706 at all times.
7. Grant of this authorization is without prejudice to any determination that the Commission may make regarding Intelsat's pending application for authority to operate Intelsat 706 at the 157.0° E.L. orbital location (IBFS File No. SAT-MOD-20121026-00188).
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.

 <b>GRANTED</b> * International Bureau *with conditions	<b>File #</b> <u>SAT-STA-20121107-00193</u>
	<b>Call Sign</b> <u>S2401</u> <b>Grant Date</b> <u>11/28/12</u> (or other identifier)
	<b>Term Dates</b> period of <b>From</b> <u>11/14/12</u> <b>To:</b> <u>30 days</u>
	<b>Approved:</b> <u>Stephen J. Duall</u> Stephen J. Duall Chief, Satellite Policy Branch

2. Contact

<b>Name:</b>	Susan H. Crandall	<b>Phone Number:</b>	202-944-7848
<b>Company:</b>	Intelsat Corporation	<b>Fax Number:</b>	202-944-7870
<b>Street:</b>	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	<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 SATMOD2012102600188 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  
2012-12-13 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 herein requests an additional 30 days, through December 13, 2012, of the Special Temporary Authority originally granted Intelsat 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 REVOCATION OF ANY STATION AUTHORIZATION  
(U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).

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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.**

November 7, 2012

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



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

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests an additional 30 days—through December 13, 2012—of the Special Temporary Authority ("STA")<sup>1</sup> originally granted Intelsat 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<sup>2</sup> in inclined orbit.<sup>3</sup> As explained below and in the original STA request, 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 currently is drifting to 157.0° E.L. and 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 continue to

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

<sup>2</sup> See *Policy Branch Information; Actions Taken*, Report No. SAT-00909, File No. SAT-STA-20121008-00179 (Nov. 2, 2012) (Public Notice); *Policy Branch Information; Actions Taken*, Report No. SAT-00902, File No. SAT-STA-20120910-00146 (Public Notice) (Sep. 28, 2012); *Policy Branch Information; Actions Taken*, Report No. SAT-00890, File No. SAT-STA-20120809-00126 (Public Notice) (Aug. 17, 2012) (Public Notice); See *Policy Branch Information; Actions Taken*, Report No. SAT-00890, File No. SAT-STA-20120809-00126 (Aug. 17, 2012) (Public Notice). Intelsat has a pending permanent license modification application seeking operational authority at 157.0° E.L. See *Intelsat License LLC Application to Modify License*, File No. SAT-SAT-MOD-20121026-00188 (filed October 26, 2012).

<sup>3</sup> 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).

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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 further extension request is in the public interest because it will allow Intelsat to continue 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 further extension request will not result in increased risk of harmful interference. Intelsat will continue to 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 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

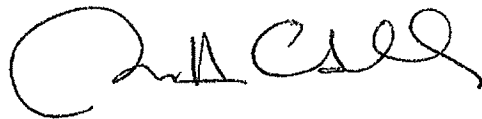
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aware of any system with an overlapping station-keeping volume with Intelsat 706 at 157.0° E.L. that is the subject of an ITU filing and that is either in orbit or progressing towards launch.

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.<sup>4</sup>

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

Sincerely,



Susan H. Crandall  
Assistant General Counsel  
Intelsat Corporation

cc: Robert Nelson  
Stephen Duall  
Jay Whaley

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<sup>4</sup> 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).