

S2401 SAT-STA-20120323-00059 IB2012000876
Intelsat License LLC
Intelsat 706



File # SAT-STA-20120323-00059

Call Sign S2401 Grant Date 04/18/12

(or other identifier)

Term Dates period of
From 04/18/12 To: 30 days

Approved by OMB
3060-0678

Approved:

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

Date & Time Filed: Mar 23 2012 3:29:27:663PM
File Number: SAT-STA-20120323-00059
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

1. 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		

Attachment
IBFS File No. SAT-STA-20120323-00059
Call Sign S2401

The application of Intelsat License LLC (Intelsat), IBFS File No. SAT-STA-20120323-00059, is granted. Accordingly, Intelsat is authorized for a period of 30 days to operate Telemetry, Tracking, and Telecommand (TT&C) operations with the Intelsat 706 space station (Call Sign S2401) necessary to drift the space station from the 72.1° E.L. orbital location to the 177.9° 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)¹. 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 the drift to 177.9° 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 drift to the 177.9° 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 177.9° W.L. orbital location, Intelsat may not operate the communications payload on the Intelsat 706 space station.

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

5. Intelsat shall notify the Chief, Satellite Division, in writing, of the date that the Intelsat 706 space station departs the 72.1° E.L. orbital location within three business days of the departure date.

6. Grant of this authorization is based on Intelsat's representation that it will dispose of the Intelsat 706 spacecraft at end of life to a minimum altitude of 150 kilometers (perigee) above the geostationary arc, that it has reserved 32.97 kilograms of fuel for this purpose, and that fuel gauging uncertainty has been and will be taken into account in these calculations, using the methods set forth in Intelsat's application.

7. Intelsat's request that the Part 25 technical waivers previously granted to the Intelsat 706 space station continue to apply at the 177.9° 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).

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. Petitions for

¹ Intelsat's request indicates that it will apply for operational authority for maintain Intelsat 706 at 177.9° E.L. in a separate application.

Attachment
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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.



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Approved: Stephen J. Duall
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 April 15, 2012, to drift Intelsat 706 (call sign S2401) from 72.0 E.L. to 177.9 E.L., where it will eventually operate in the C- and Ku-bands in inclined orbit. Intelsat currently expects to operate Intelsat 706 at 177.9 E.L. until the satellite is de-orbited

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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8. Description

Intelsat License LLC herein requests Special Temporary Authority for 30 days, commencing April 15, 2012, to drift Intelsat 706 (call sign S2401) from 72.0 E.L. to 177.9 E.L., where it will eventually operate in the C- and Ku-bands in inclined orbit. Intelsat currently expects to operate Intelsat 706 at 177.9 E.L. until the satellite is de-orbited in the fourth quarter of 2013.

March 23, 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

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests Special Temporary Authority ("STA")¹ for 30 days, commencing April 15, 2012, to drift Intelsat 706 (call sign S2401) from 72.0° E.L. to 177.9° E.L., where it will eventually operate in the C- and Ku-bands in inclined orbit.² Intelsat currently expects to operate Intelsat 706 at 177.9° E.L. until the satellite is de-orbited in the fourth quarter of 2013.

Intelsat 706 is currently operating at 72.0° E.L.³ Following receipt of FCC approval, Intelsat 706 will begin drifting to 177.9° E.L. on April 15, 2012. It is expected to be on-station at that location in December 2012.⁴ During the drift of Intelsat 706 from 72.0° E.L. to 177.9° E.L., Intelsat will operate only the

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 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).

³ 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-20120209-00002 (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-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).

⁴ Intelsat will seek operational authority for Intelsat 706 at 177.9° E.L. in advance of the satellite's arrival at the location.

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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 flexibly manage its fleet in order to optimize service to customers.

Grant of this STA request will not result in increased risk of harmful interference. Intelsat will coordinate the drift with all potentially affected operators. Moreover, Intelsat currently operates Intelsat 602 at 178.0° E.L. without interference.⁵ Intelsat will operate Intelsat 706 at 177.9° E.L. in conformance with its coordination agreements related to the nominal 178.0° E.L. location.

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 177.9° E.L. Finally, Intelsat is not aware of any system with an overlapping station-keeping volume with Intelsat 706 at 177.9° E.L. that is the subject of an ITU filing and that is either in orbit or progressing towards launch.

⁵ See *Policy Branch Information; Actions Taken*, Report No. SAT-00545, File No. SAT-MOD-20080512-00102 (Aug. 8, 2008) (Public Notice).

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Intelsat requests that the Part 25 waivers originally granted to the Intelsat 706 spacecraft continue to apply at the 177.9° 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.⁶

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: Robert Nelson
Stephen Duall
Jay Whaley

⁶ 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).