

S2704 SAT-STA-20130116-00008 IB2013000142
Intelsat License LLC
Intelsat 5



*with conditions

File # SAT-STA-20130116-00008
Call Sign S2704 Grant Date 01/31/13
(or other identifier)
Term Dates period of
From 01/22/13 To: 30 days
Approved: Stephen J. Duall

Approved by OMB
3060-0678

Stephen J. Duall
Chief, Satellite Policy Branch

Date & Time Filed: Jan 16 2013 3:38:55:406PM
File Number: SAT-STA-20130116-00008
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 5, Call Sign S2704

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		

Intelsat License LLC
IBFS File No. SAT-STA-20130116-00008
Call Sign S2704

The application of Intelsat License LLC (Intelsat) for special temporary authority, IBFS File No. SAT-STA-20130116-00008, is GRANTED. Specifically, Intelsat is authorized, for a period of 30 days, commencing January 23, 2013, to continue to conduct Telemetry, Tracking, and Command (TT&C) operations with the Intelsat 5 space station (Call Sign S2704) necessary to drift the space station from the 169.0° E.L. orbital location to the 65.45° E.L. orbital location using the following center frequencies: 14.498 GHz and 13.999 GHz (Earth-to-space); 11.451 GHz, 11.452 GHz, and 11.454 GHz (space-to-Earth).¹ 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 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 5 with existing geostationary space stations to ensure that no unacceptable interference results from its operations during drift to the 65.45° E.L. orbital location.

4. Intelsat shall operate only the TT&C frequencies on Intelsat 5 during the space station's drift from the 169.0° E.L. orbital location to the 65.45° E.L. orbital location.

5. Grant of this special temporary authority is without prejudice to any action on IBFS File Nos. SAT-MOD-20121002-00176, SAT-STA-20121017-00182, or SAT-MOD-20121109-00196.

6. 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.

7. 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.



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Stephen J. Duall
Chief, Satellite Policy Branch

¹ Intelsat notified the Commission that Intelsat 5 left the 169.0° E.L. station-keeping box on October 31, 2012. See Letter from Susan Crandall, Assistant General Counsel, Intelsat Corp., to Marlene H. Dortch, Secretary, FCC, dated Nov. 5, 2012, available in File No. SAT-STA-20120911-00147.

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 SATMOD2012110900196 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 type="radio"/> Change Station Location <input checked="" type="radio"/> Extend Expiration Date <input type="radio"/> Other			
6. Temporary Orbit Location		7. Requested Extended Expiration Date	
		2013-02-21 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, from January 23, 2013 through February 21, 2013, of the Special Temporary Authority previously granted Intelsat to drift Intelsat 5 (call sign S2704) from 169.0 E.L. to 65.45 E.L., where it will eventually operate in the C- and Ku-bands under new U.S. ITU filings.

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.

January 16, 2013



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
Intelsat 5
Call Sign S2704

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests an additional 30 days—from January 23, 2013 through February 21, 2013— of the Special Temporary Authority ("STA")¹ previously granted Intelsat to drift Intelsat 5 (call sign S2704) from 169.0° E.L. to 65.45° E.L., where it will eventually operate in the C- and Ku-bands under new U.S. ITU filings.² Intelsat has a pending 180-day STA request for this redeployment, which includes a request to extend the Intelsat 5 license term for the duration of this STA extension request.³ Intelsat also has filed an application for modification of the Intelsat 5 license to allow for its permanent operation at 65.45° E.L.⁴ In addition, Intelsat has filed a modification application that includes a request to extend the Intelsat 5 license for a longer term.⁵

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 See *Intelsat License LLC Request for Further Extension of Special Temporary Authority to Drift Intelsat 5*, Call Sign S2704, File No. SAT-STA-20121218-00218 (filed Dec. 18, 2012); *Policy Branch Information; Actions Taken*, Report No. SAT-00914, File No. SAT-STA-20121120-00201 (Nov. 30, 2012) (Public Notice); *Policy Branch Information; Actions Taken*, Report No. SAT-00907, File No. SAT-STA-20120911-00147 (Oct. 26, 2012) (Public Notice); Intelsat is not herein seeking authority to operate the satellite's communications payload.

³ See *Policy Branch Information; Satellite Space Applications Accepted for Filing*, Report No. SAT-00906, File No. SAT-STA-20121017-00182 (Oct. 26, 2012) (Public Notice).

⁴ See *Application of Intelsat License LLC to Modify Authorization of Intelsat 5*, Call Sign S2704, File No. SAT-MOD-20121109-00196 (filed Nov. 9, 2012).

⁵ See *Application of Intelsat License LLC to Modify Authorization of Intelsat 5*, Call Sign S2704, File No. SAT-MOD-20121002-00176.

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Intelsat 5 is currently drifting from 169.0° E.L. to 65.45° E.L. The satellite is expected to be on-station in late May 2013.

During the drift of Intelsat 5 from 169.0° E.L. to 65.45° E.L., Intelsat will continue to utilize only the satellite's TT&C frequencies and will follow industry practices for coordinating TT&C transmissions during the relocation process. The specific TT&C frequencies are as follows:

Uplink:

14498 MHz (H)

13999 MHz (RHCP)

Downlink:

11451 MHz (H, V and RHCP)

11452 MHz (H, V and RHCP)

11454 MHz (RHCP and LHCP)

Grant of this STA extension request is in the public interest because it will allow Intelsat to meet anticipated customer demand at 65.45° E.L. Continued operation of the Intelsat 5 satellite beyond November 24, 2012 also serves the public interest by enabling customers to receive additional services with this in-orbit spacecraft prior to its de-orbit. The FCC has already approved a post-mission disposal plan for the Intelsat 5 satellite that reserves 21.2 kg of fuel for an intended de-orbit of 150 km.⁶

Grant of this STA extension request will not result in increased risk of harmful interference. As noted above, Intelsat will operate only the above listed TT&C frequencies during the drift, and will coordinate its TT&C transmissions with operators of satellites in the drift path. Should any interference occur during the drift, Intelsat will take all reasonable steps to eliminate such interference. Once on-station at 65.45° E.L. and subject to FCC approval, Intelsat plans to operate

⁶ See Policy Branch Information; Actions Taken, Report No. SAT-00561, File No. SAT-MOD-20080725-00150 (Oct. 24, 2008). Intelsat notes that the Satellite Industry Association's pending request for blanket waiver of Section 25.283(c) incorrectly included the Intelsat 5 satellite. *Pleading Cycle Established for Comment on Satellite Industry Association's Blanket Waiver Request Concerning Relieving Satellite Pressure Vessels*, IB Docket No. 02-54, DA 10-2291 (Dec. 14, 2010) (Public Notice).

Ms. Marlene H. Dortch

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the communications payload in conformance with its coordination agreements related to that location or on a non-interference, non-protected basis.

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 5 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 5 at 65.45° E.L. Finally, Intelsat is not aware of any system with an overlapping station-keeping volume with Intelsat 5 at 65.45° 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 extension request.

Sincerely,

A handwritten signature in green ink, appearing to read "Susan H. Crandall". The signature is fluid and cursive, with a large initial "S" and "C".

Susan H. Crandall
Assistant General Counsel
Intelsat Corporation

cc: Stephen Duall
Jay Whaley
Cindy Spiers