

S2704 SAT-STA-20140722-00088 IB2014001493
Intelsat License LLC
Intelsat 5



*with conditions

File # SAT-STA-20140722-00088

Call Sign S2704 Grant Date 07/24/14
(or other identifier)

Term Dates period of
From 07/31/14 To: 30 days

Approved: Stephen J. Duall

Stephen J. Duall
Chief, Satellite Policy Branch

Approved by OMB
3060-0678

Date & Time Filed: Jul 22 2014 3:12:05:963PM
File Number: SAT-STA-20140722-00088
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 30-Day Special Temporary Authority to Drift Intelsat 5, Call Sign S2704

1. Applicant

Name:	Intelsat License LLC	Phone Number:	703-559-7848
DBA Name:		Fax Number:	703-559-7898
Street:	c/o Intelsat Corporation 7900 Tysons One Place	E-Mail:	susan.crandall@intelsat.com
City:	McLean	State:	VA
Country:	USA	Zipcode:	22102 -5972
Attention:	Susan H. Crandall		

Intelsat License LLC
IBFS File No. SAT-STA-20140722-00088
Call Sign S2704

The application of Intelsat License LLC (Intelsat) for special temporary authority, IBFS File No. SAT-STA-20140722-00088, is GRANTED. Specifically, Intelsat is authorized, for a period of 30 days, commencing July 31, 2014, 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 50.15° E.L. orbital location to the 157.0° 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). 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 must 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 5 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 5 during the space station's drift from the 50.15° E.L. orbital location to the 157.0° E.L. orbital location.
5. Grant of this special temporary authority is without prejudice to any action on IBFS File No. SAT-MOD-20121002-00176.
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.



File # SAT- STA- 20140722-00088

Call Sign S2704 Grant Date 07/24/14
(or other identifier)

Term Dates period of
From 07/31/14 To: 30 days

Approved: Stephen J. Duall

Stephen J. Duall
Chief, Satellite Policy Branch

2. Contact	
Name: Susan H. Crandall	Phone Number: 703-559-7848
Company: Intelsat Corporation	Fax Number: 703-559-7898
Street: 7900 Tysons One Place	E-Mail: susan.crandall@intelsat.com
City: McLean	State: VA
Country: USA	Zipcode: 22102 -5972
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 SATMOD2012100200176 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 2014-08-29 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 July 31, 2014 through August 29, 2014, of the Special Temporary Authority previously granted Intelsat to drift Intelsat 5 (call sign S2704) from 50.15 E.L. to 157.0 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
Assoc. 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.

July 22, 2014

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

Re: Request for Further Extension of Special Temporary to Drift Intelsat 5
Call Sign S2704

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests an additional 30 days—from July 31, 2014 through August 29, 2014— of the Special Temporary Authority ("STA")¹ previously granted Intelsat to drift Intelsat 5 (call sign S2704) from 50.15° E.L. to 157.0° E.L.² Intelsat is not herein seeking authority to operate at 157.0° E.L.³ Intelsat also seeks to extend the Intelsat 5 license term for the duration of this STA request.⁴ Intelsat expects shortly to file an application for modification of the Intelsat 5 license to allow for its permanent operation at 157.0° E.L.

Intelsat 5 currently is drifting to 157.0° E.L. and the satellite is expected to be on-station in early October 2014.

¹ Intelsat has filed this STA request, an FCC Form 159 and a \$930.00 filing fee electronically via the International Bureau's Filing System.

² See *Policy Branch Information; Actions Taken*, Report No. SAT-01025, File No. SAT-STA-20140620-00072 (June 27, 2014) (Public Notice); *Policy Branch Information; Actions Taken*, Report No. SAT-01019, File No. SAT-STA-20140501-00044 (May 30, 2014) (Public Notice).

³ Intelsat has a pending 180-day STA request to drift and operate the satellite at 157.0° E.L. in the C- and Ku-bands, where it will replace the Intelsat 706 satellite that currently is scheduled to be de-orbited in November 2014. See *Policy Branch Information; Satellite Space Applications Accepted for Filing*, Report No. SAT-01018, File No. SAT-STA-20140502-00047 (May 30, 2014) (Public Notice).

⁴ Intelsat has a pending application to modify the Intelsat 5 license to extend the license term through December 31, 2020. See *Policy Branch Information; Satellite Space Applications Accepted for Filing*, Report No. SAT-00937, File No. SAT-MOD-20121002-00176 (Mar. 15, 2013) (Public Notice).

Ms. Marlene H. Dortch
July 22, 2014
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During the drift of Intelsat 5 from 50.15° E.L. to 157.0° 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 further extension request is in the public interest because it will allow Intelsat to continue drifting Intelsat 5 in order to provide continuity of service to customers at 157.0° E.L. that are currently on Intelsat 706, following the de-orbit of Intelsat 706.

Grant of this STA further 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.

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 for Intelsat 706, 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.⁵ 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 157.0° E.L. Finally, Intelsat is not aware of any system with an overlapping station-keeping volume with Intelsat 5 at 157.0° E.L. that is the subject of an ITU filing and that is either in orbit or progressing towards launch.

⁵ Intelsat expects to move Intelsat 706 slightly outside of the nominal 157.0° E.L. location prior to the arrival of Intelsat 5, after which traffic will be transferred to Intelsat 5. *See Policy Branch Information; Actions Taken*, Report No. SAT-01029, File No. SAT-STA-20140627-00081 (July 18, 2014) (Public Notice). Intelsat 706 is expected to remain at that slightly offset location until it is de-orbited.

Ms. Marlene H. Dortch
July 22, 2014
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For the reasons set forth herein, Intelsat respectfully requests that the Commission expeditiously grant this request.

Sincerely,

A handwritten signature in blue ink, appearing to read "S. Crandall", written over a horizontal line.

Susan H. Crandall
Associate General Counsel
Intelsat Corporation

cc: Stephen Duall
Jay Whaley
Cindy Spears