

S2704 SAT-STA-20130715-00092 IB2013001500
Intelsat License LLC
Intelsat 5



File # SAT-STA-20130715-00092

Call Sign S2704 Grant Date 7-25-13
(or other identifier)

Term Dates
From 7-30-13 To For (for 30 days, commencing 7/30/13)

Approved by OMB
3060-0678

Approved: Cassandra C Thomas
** subject to attached conditions*

Date & Time Filed: Jul 15 2013 4:45:24:443PM
File Number: SAT-STA-20130715-00092
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 30-Day Special Temporary Authority to Drift Intelsat 5, Call Sign S2704

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-20130715-00092
Call Sign S2704

The application of Intelsat License LLC (Intelsat) for special temporary authority, IBFS File No. SAT-STA-20130715-00092, is GRANTED. Specifically, Intelsat is authorized, for a period of 30 days, commencing July 30, 2013, 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 65.45° E.L. orbital location to the 50.15° 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 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 50.15° E.L. orbital location.

4. Intelsat must operate only the TT&C frequencies on Intelsat 5 during the space station's drift from the 65.45° E.L. orbital location to the 50.15° E.L. orbital location.

5. Intelsat shall notify the Chief, Satellite Division, in writing, of the date that the Intelsat 5 space station departs the 65.45° E.L. orbital location within three business days of the departure date.

6. Grant of this special temporary authority is without prejudice to any action on IBFS File Nos. SAT-MOD-20121002-00176 or SAT-STA-20130717-00095.

7. 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.

8. This action is issued pursuant to Section 0.261 of the delegated authority, 47 C.F.R. § 0.261, and is effective immediately.

Commission's rules on
File # SAT-STA-20130715-00092

* With
Conditions



Call Sign S2704 Grant Date 7-25-13
(or other identifier) Term Dates (for 30
From 7-30-13 To 7/30/13 To: Dep's, Comm'n
Approved: Cassandra C Thomas

¹ On July 17, 2013, Intelsat filed a corrected narrative to its STA request. See Letter from Susan Crandall, Assistant General Counsel, Intelsat Corp., to Marlene H. Dortch, Secretary, FCC, dated July. 17, 2013, available in IBFS File No. SAT-STA-20130715-00092.

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?

- 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
50.15 E.L.

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, from July 30, 2013 through August 28, 2013, to drift Intelsat 5 (call sign S2704) from 65.45 E.L. to 50.15 E.L., where it will eventually operate in inclined orbit in the C- and Ku-bands in accordance with the ITU filings of Turkey.

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: Exhibit A

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 17, 2013



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 5
Call Sign S2704

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests Special Temporary Authority ("STA")¹ for 30 days—from July 30, 2013 through August 28, 2012—to drift Intelsat 5 (call sign S2704) from 65.45° E.L.² to 50.15° E.L., where it will eventually operate in inclined orbit in the C- and Ku-bands in accordance with the ITU filings of Turkey.³ Intelsat has a pending application to modify the Intelsat 5 license to extend the satellite's license term and understands that grant of this STA request would be without prejudice to any action on that application.⁴

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 has been operating at 65.45° E.L. under STA. *See Policy Branch Information; Satellite Space Applications Accepted for Filing*, Report No. SAT-00937, File No. SAT-STA-20121017-00182 (May 31, 2013) (Public Notice).

³ Intelsat is not herein seeking authority to operate the satellite's communications payload. Intelsat will shortly file an STA seeking full operational authority once the satellite is on-station. Attached herewith as Exhibit A is a letter from Türksat Satellite Communication, Cable TV and Operation A.S. ("Türksat") dated July 12, 2013 confirming that Türksat has informed the Government of Turkey that Intelsat 5 will operate at the nominal 50.0° E.L. under United States licensing Authority. Intelsat began operating Intelsat 5 in inclined orbit in 2012. *See Letter from Susan H. Crandall, Intelsat, to Marlene H. Dortch, FCC, Call Sign S2704 (Oct. 24, 2012).*

⁴ Intelsat is seeking permanently to extend the Intelsat 5 license through December 31, 2020. *See Policy Branch Information; Satellite Space*



Intelsat 5 currently is operating at 65.45° E.L.⁵ Subject to receipt of FCC approval, Intelsat 5 will be relocated temporarily to 50.15° E.L.—with the drift starting July 30, 2013 and the satellite on-station in late August 2013.

During the drift of Intelsat 5 from 65.45° E.L. to 50.15° E.L., Intelsat will 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 request is in the public interest because it will allow Intelsat to meet a customer's demand for temporary service at 50.15° E.L.⁶ It also serves the public interest by enabling customers to receive additional services from 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.⁷

Applications Accepted for Filing, Report No. SAT-00937, File No. SAT-MOD-20121002-00176 (Mar. 15, 2013) (Public Notice).

⁵ See *supra* n.2. Intelsat has a pending application for permanent authority to operate at 65.45° E.L. See *Policy Branch Information; Satellite Space Applications Accepted for Filing*, Report No. SAT-00937, File No. SAT-MOD-20121109-00196 (Mar. 15, 2013) (Public Notice). Intelsat expects shortly to amend that application to seek authority to operate the satellite at a different location on a permanent basis.

⁶ Intelsat currently expects to operate Intelsat 5 at 50.15° E.L. through the first or second quarter of 2014, when Turksat-4B is expected to be launched to the nominal location.

⁷ See *Policy Branch Information; Actions Taken*, Report No. SAT-00561, File No. SAT-MOD-20080725-00150 (Oct. 24, 2008) (Public Notice). Intelsat notes that the Satellite Industry Association's pending request for blanket waiver of Section 25.283(c) incorrectly included the Intelsat 5



Grant of this STA 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 50.15° E.L. and subject to FCC approval, Intelsat plans to operate the communications payload in conformance with Turkey's 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 50.15° E.L. Finally, Intelsat is not aware of any system with an overlapping station-keeping volume with Intelsat 5 at 50.15° 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 request.

Sincerely,

/s/ Susan H. Crandall

Susan H. Crandall
Assistant General Counsel
Intelsat Corporation

cc: Stephen Duall
Jay Whaley
Cindy Spiers

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).

12.07.2013

To : Edward E. Berger,
Vice President, Business Development
INTELSAT
3400 International Drive, NW
Washington, OC 20008-3006 USA

Subject : Strategic Cooperation Agreement

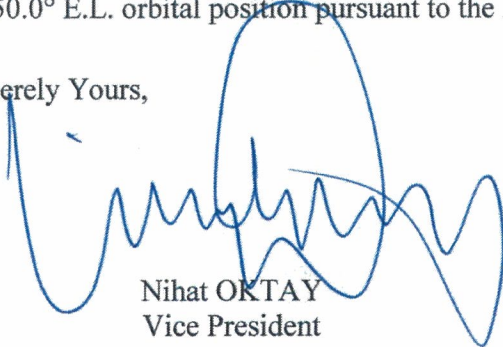
Reference : B.11.6.TAS.0.15.00.00-230.01/24210

Dear Mr. Berger,

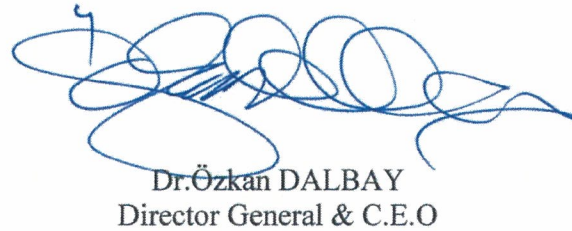
Turksat Satellite Communication Cable TV and Operation Inc. (Turksat AS)-whose all shares belong to Undersecretariat of Treasury of the Government of Turkey and has been established by Additional Article 33 of law 406 on Telegraph and Telephone, for the purpose of possessing the rights, management and operating authority of the satellite orbital positions within national sovereignty and fulfilling the related liabilities, commissioning or having commissioned the satellites registered under its own name or belonging to other operators, operating such satellites, establishing communication and transmission infrastructure over the satellites belonging to national and foreign satellite operators, providing all kind of services that can be technically carried out over the cable infrastructure, conducting satellite platform operation and carrying out commercial activities.

This is to confirm that based on the Law No. 406 and "Authorization Agreement Concerning the Execution of Satellite and Cable TV Services" signed by and between Turksat AS and Information and Communication Technologies Authority of Government of Turkey, Turksat AS acknowledges that it has informed the Information and Communication Technologies Authority of Government of Turkey that Intelsat IS-5 will be under license given by United States of America administration while the satellite operates temporarily at the 50.0° E.L. orbital position pursuant to the ITU filings of the Government of Turkey.

Sincerely Yours,



Nihat OKTAY
Vice President



Dr.Özkan DALBAY
Director General & C.E.O