

S2704 SAT-STA-20180410-00027 IB2018000870
Intelsat License LLC



File # SAT-STA-20180410-00027

Call Sign S2704 Grant Date 04/13/18

(or other identifier)

From 04/13/18 Term Dates period of To: 30 days

Approved: *Stephen J. Duall*

Stephen J. Duall
Chief, Satellite Policy Branch

Approved by OMB
3060-0678

Date & Time Filed: Apr 10 2018 5:18:29:813PM
File Number: SAT-STA-20180410-00027
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

1. Applicant

Name:	Intelsat License LLC	Phone Number:	703-559-7848
DBA Name:		Fax Number:	703-559-8539
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		

ATTACHMENT TO GRANT
Intelsat License LLC
IBFS File No. SAT-STA-20180410-00027

IBFS File No(s):	SAT-STA-20180410-00027		<p>GRANTED – With Conditions</p>  <p>International Bureau Satellite Division</p>
Licensee/Grantee:	Intelsat License LLC		
Call Sign:	S2704		
Satellite Name:	Intelsat 5		
Orbital Location: (required station-keeping tolerance)	93.2° W.L. (+/- 0.05 degrees east/west station keeping)		
Administration:	United States of America		
Nature of Service:	Telemetry, Tracking, and Command (TT&C)		
Scope of Grant:	Special temporary authority for a period of 30 days to conduct TT&C operations necessary to drift Intelsat 5 from its current orbital location of 156.9° E.L. to the 93.2° W.L. orbital location.		
Service Area(s):	N/A.		
Frequencies:	TT&C center frequencies: 14.498 GHz (Earth-to-space) 13.999 GHz (Earth-to-space) 11.451 GHz (space-to-Earth) 11.452 GHz (space-to-Earth) 11.454 GHz (space-to-Earth)		
<p>Unless otherwise specified herein, operations under this grant must comport with the legal and technical specifications set forth by the applicant or petitioner and with Federal Communication Commission's rules not waived herein. This grant is also subject to the following conditions:</p> <ol style="list-style-type: none"> 1. Operations pursuant to this special temporary authority must be on an unprotected and non-harmful interference basis, i.e., the Intelsat 5 space station must not cause harmful interference to, and must not claim protection from interference caused to it by, any other lawfully operating station. In the event of any harmful interference, Intelsat must cease operations immediately upon notification of such interference, and must inform the Commission, in writing, immediately of such an event. 2. 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 93.2° W.L. orbital location. 3. Intelsat must operate only the TT&C frequencies authorized for Intelsat 5 during the space station's drift from the 156.9° E.L. orbital location to the 93.2° W.L. orbital location. 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. 			
<p>Licensee/grantee is afforded thirty (30) days from the date of release of this action to decline the grant as conditioned. Failure to respond within this period will constitute formal acceptance of the grant as conditioned. This action is taken pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 CFR § 0.261, and is effective upon release.</p> <p>Station licenses are subject to the conditions specified in Section 309(h) of the Communications Act of 1934, as amended, 47 U.S.C. § 309(h).</p>			
Action Date:	April 13, 2018		
Term Dates	From: April 13, 2018	To: period of 30 days	

ATTACHMENT TO GRANT
Intelsat License LLC
IBFS File No. SAT-STA-20180410-00027

Approved:



Stephen J. Duall
Chief, Satellite Policy Branch

2. Contact

Name:	Cynthia J. Grady	Phone Number:	703-559-6949
Company:	Intelsat Corporation	Fax Number:	703-559-8538
Street:	7900 Tysons One Place	E-Mail:	cynthia.grady@intelsat.com
City:	McLean	State:	VA
Country:	USA	Zipcode:	22102 -5972
Attention:		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 30 days of expedited Special Temporary Authority, commencing upon grant, to drift Intelsat 5 (Call Sign S2704) from 156.9 E.L. to 93.2 W.L. Intelsat is relocating the Intelsat 5 satellite to 93.2 W.L. to temporarily add more capacity at the nominal 93 W.L. location.

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
Cynthia J. Grady

11. Title of Person Signing
Regulatory 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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INTELSAT

Envision. Connect. Transform.

April 10, 2018

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

Re: Request for Special Temporary Authority to Drift Intelsat 5 to 93.2° W.L.
Call Sign: S2704
EXPEDITED TREATMENT REQUESTED

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests 30 days of expedited Special Temporary Authority (“STA”),¹ commencing upon grant, to drift Intelsat 5 (Call Sign S2704) from 156.9° E.L. to 93.2° W.L. Intelsat is relocating the Intelsat 5 satellite to 93.2° W.L. to temporarily add more capacity at the nominal 93° W.L. location. The drift should take approximately ten weeks.

The Intelsat 5 satellite is currently operating at 156.9° E.L.² Subject to receipt of Federal Communications Commission (“FCC” or “Commission”) approval, the satellite will be relocated to 93.2° W.L. There are two other U.S.-licensed satellites – Intelsat 1R and Telkom-2 – currently operating at the nominal 157° E.L. orbital location.³ Accordingly, the relocation of Intelsat-5 will not result in a disruption of service to customers.

During the drift of the Intelsat 5 satellite from 156.9° E.L. to 93.2° W.L., Intelsat will utilize only the satellite’s telemetry, tracking, and control (“TT&C”) frequencies and will follow industry practices for coordinating TT&C transmission during the relocation process. The specific TT&C frequencies are as follows: 14498 MHz (H) and 13999 MHz (RHCP) in the uplink; and 11451 MHz (H, V, and RHCP), 11452 MHz (H, V, and RHCP), and 11454 MHz (RHCP, and LHCP) in the downlink.

¹ Intelsat has filed this STA request, an FCC Form 159, and a \$945.00 filing fee electronically via the International Bureau’s Filing System.

² See *Policy Branch Information; Actions Taken*, Public Notice, Report No. SAT-01236, File No. SAT-MOD-20170331-00057 (May 5, 2017).

³ See *Policy Branch Information; Actions Taken*, Public Notice, Report No. SAT-01156, File No. SAT-MOD-20160219-00019 (May 6, 2016) (Public Notice); See *Intelsat License LLC Application for Authority to Operate Telkom-2, an In-Orbit Satellite, at 157.0 E.L.* (stamp grant issued Nov. 30, 2017 by Stephen J. Duall).

Ms. Marlene H. Dortch
April 10, 2018
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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.

Grant of this STA request is in the public interest because it will allow Intelsat to provide additional capacity from the 93.2° W.L. orbital location.

For the reasons set forth herein, Intelsat respectfully requests that the Commission expeditiously grant this STA request. Please direct any questions regarding this supplement to the undersigned at (703) 559-7848.

Sincerely,

/s/ Cynthia J. Grady

Cynthia J. Grady
Regulatory Counsel
Intelsat Corporation

cc: Stephen Duall
Jay Whaley
Cindy Spiers