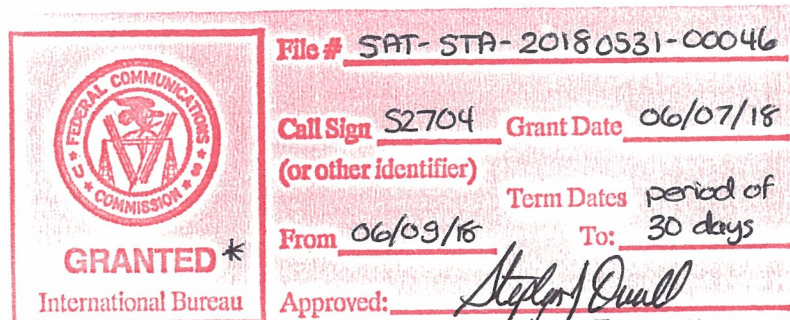


S2704 SAT-STA-20180531-00046 IB2018001976  
Intelsat License LLC  
Intelsat 5



Approved by OMB  
3060-0678

Date & Time Filed: May 31 2018 4:17:10:673PM  
File Number: SAT-STA-20180531-00046  
Callsign:

\*with conditions

Stephen J. Duall  
Chief, Satellite Policy Branch

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 Extension of 30-Day Special Temporary Authority to Drift Intelsat 5 to, and Operate at, 137.0 W.L., Call Sign S2704

1. Applicant

<b>Name:</b>	Intelsat License LLC	<b>Phone Number:</b>	703-559-7848
<b>DBA Name:</b>		<b>Fax Number:</b>	703-559-8539
<b>Street:</b>	c/o Intelsat Corporation 7900 Tysons One Place	<b>E-Mail:</b>	susan.crandall@intelsat.com
<b>City:</b>	McLean	<b>State:</b>	VA
<b>Country:</b>	USA	<b>Zipcode:</b>	22102 -5972
<b>Attention:</b>	Susan H. Crandall		

**ATTACHMENT TO GRANT**  
**Intelsat License LLC**  
**IBFS File No. SAT-STA-20180531-00046**

<b>IBFS File No(s):</b>	SAT-STA-20180531-00046	<p><b>GRANTED – With Conditions</b></p>  <p><b>International Bureau Satellite Division</b></p>
<b>Licensee/Grantee:</b>	Intelsat License LLC	
<b>Call Sign:</b>	S2704	
<b>Satellite Name:</b>	Intelsat 5	
<b>Orbital Location: (required station-keeping tolerance)</b>	137.0° W.L. (+/- 0.05 degrees east/west station keeping)	
<b>Administration:</b>	United States of America	
<b>Nature of Service:</b>	Fixed-Satellite Service (FSS)	
<b>Scope of Grant:</b>	Special temporary authority for a period of 30 days to continue to provide Fixed-Satellite Service from the 137.0° W.L. orbital location in the 3700-4200 MHz (space-to-Earth), 5925-6425 MHz (Earth-to-space), 11.45-11.7 GHz (space-to-Earth), and 14.0-14.25 GHz (Earth-to-space) frequency bands. <sup>1</sup>	
<b>Service Area(s):</b>	Asia Pacific and Western United States. <i>See</i> IBFS File No. SAT-MOD-20180501-00036, Schedule S.	
<b>Frequencies:</b>	3700-4200 MHz (space-to-Earth) 5925-6425 MHz (Earth-to-space) 11.45-11.7 GHz (space-to-Earth) 14.0-14.25 GHz (Earth-to-space)  Telemetry, Tracking & Command center frequencies: 11.451 GHz; 11.452 GHz; 11.454 GHz (space-to-Earth) 14.498 GHz; 13.999 GHz (Earth-to-space)	

**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:**

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. While at the 137.0° W.L. orbital location, Intelsat must maintain the Intelsat 5 spacecraft with an east/west longitudinal station-keeping tolerance of +/- 0.05 degrees.
3. In connection with the provision of service in any particular country, Intelsat is obliged to comply with the applicable laws, regulations, rules, and licensing procedures of that country.
4. Intelsat must operate Intelsat 5 at the 137.0° W.L. orbital location in compliance with all existing or future coordination agreements for this location. In the absence of a coordination agreement, such communications must comply with applicable provisions of the ITU Radio Regulations as the Commission cannot guarantee the success of the required coordinations.
5. The operations of Intelsat 5 and associated earth stations must comport with the applicable uplink and downlink limits in 47 CFR § 25.140(a)(3) of the Commission's rules, unless Intelsat coordinates any non-

<sup>1</sup> Although Intelsat requested authority to drift and operate Intelsat 5 in its STA, Intelsat confirmed that the Intelsat 5 space station arrived at the 137.0° W.L. orbital location on May 31, 2018. As such no drift authority is necessary and we act only on Intelsat's request for authority to operate at this location.

**ATTACHMENT TO GRANT**  
**Intelsat License LLC**  
**IBFS File No. SAT-STA-20180531-00046**

conforming operations with the operations of U.S.-licensed geostationary orbit space stations within 6 degrees of the 137.0° W.L. orbital location. Intelsat must also comport with the maximum power limits indicated in existing or future coordination agreements at 137.0° W.L. Non-conforming operation must also be coordinated with respect to those operations of non-U.S.-licensed space stations within 6 degrees of 137.0° W.L. involving approved communications with U.S.-licensed earth stations.

6. Intelsat's use of the 11.45-11.7 GHz (space-to-Earth) frequency band is subject to footnote US211 to the United States Table of Frequency Allocations, 47 CFR § 2.106, US211, which urges applicants for airborne or space station assignments to take all practicable steps to protect radio astronomy observations in the adjacent bands from harmful interference, consistent with footnote US74.
7. Intelsat's use of the 11.45-11.7 GHz (space-to-Earth) frequency band is limited to international operations in accordance with footnote NG52 to the United States Table of Frequency Allocations. 47 CFR § 2.106, NG52.
8. Any action taken or expense incurred as a result of operations pursuant to this special temporary authority is solely at Intelsat's own risk.

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.

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).

<b>Action Date:</b>	June 7, 2018	
<b>Term Dates</b>	<b>From:</b> June 9, 2018	<b>To:</b> period of 30 days

**Approved:**

  
 Stephen J. Duall  
 Chief, Satellite Policy Branch

2. Contact

<b>Name:</b>	Cynthia J. Grady	<b>Phone Number:</b>	703-559-6949
<b>Company:</b>	Intelsat Corporation	<b>Fax Number:</b>	703-559-8538
<b>Street:</b>	7900 Tysons One Place	<b>E-Mail:</b>	cynthia.grady@intelsat.com
<b>City:</b>	McLean	<b>State:</b>	VA
<b>Country:</b>	USA	<b>Zipcode:</b>	22102 -5972
<b>Attention:</b>		<b>Relationship:</b>	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 SATMOD2018050100036 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 an additional 30 days of the Special Temporary Authority previously granted Intelsat to drift Intelsat 5 (Call Sign S2704) to 137.0 W.L. and operate the satellite at 137.0 W.L. Intelsat 5 arrived at 137.0 W.L. on May 31, 2018, and its permanently licensed location is 156.9 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  
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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**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.**



**INTELSAT.**

*Envision. Connect. Transform.*

May 31, 2018

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

Re: Request for Extension of Special Temporary Authority to Drift Intelsat 5 to, and Operate at,  
137.0° W.L.  
Call Sign: S2704

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests an additional 30 days of the Special Temporary Authority (“STA”)<sup>1</sup> previously granted Intelsat to drift Intelsat 5 (Call Sign S2704) to 137.0° W.L. and operate the satellite at 137.0° W.L.<sup>2</sup> Intelsat 5 arrived at 137.0° W.L. on May 31, 2018, and its permanently licensed location is 156.9° E.L.<sup>3</sup>

The Federal Communication Commission (“FCC” or “Commission”) recently made available for reassignment the C-band frequencies at 137° W.L.,<sup>4</sup> which provides a new opportunity for the Intelsat 5 satellite. Intelsat has filed to modify the authorization for the Intelsat 5 satellite to permanently redeploy Intelsat 5 to 137.0° W.L.<sup>5</sup>

The specific TT&C frequencies of the Intelsat 5 spacecraft 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; and the communications frequencies are: 5925-6425 MHz, 12750-13250 MHz, and 14000-14250 MHz in the uplink; and 3700-4200 MHz, 10700-10950 MHz, 11200-11450 MHz, and 11450-11700 MHz in the downlink.

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

<sup>2</sup> See *Policy Branch Information; Actions Taken*, Public Notice, Report No. SAT-01314, File No. SAT-STA-20180502-00039 (May 11, 2018) (Public Notice).

<sup>3</sup> See *Policy Branch Information; Actions Taken*, Public Notice, Report No. SAT-01236, File No. SAT-MOD-20170331-00057 (May 5, 2017) (Public Notice).

<sup>4</sup> See *Policy Branch Information; Actions Taken*, Public Notice, Report No. SAT-01313 (Apr. 27, 2018) (Public Notice).

<sup>5</sup> See *Intelsat License LLC Modification of Authorization to Redeploy to, and Operate Intelsat 5 (S2704) at, 137.0 W.L.*, File No. SAT-MOD-20180501-00036 (filed May 1, 2018).

Ms. Marlene H. Dortch  
May 31, 2018  
Page 2

Grant of this STA extension request will not result in increased risk of harmful interference. On-station at 137.0° W.L., Intelsat will continue operate in conformance with FCC rules and any relevant coordination agreements.

In addition, Intelsat requests that the waiver previously granted to Intelsat 5 at 156.9° E.L. be extended to the satellite at 137.0° W.L. Specifically, Intelsat requests that the waiver of Section 25.114(c)(4)(vi)(A) of the FCC's rules, requiring applicants to provide predicted space station antenna gain contours for each transmit and receive antenna beam requested, previously granted for Intelsat 5 be extended to the satellite at 137.0° W.L.<sup>6</sup>

Grant of this STA extension request is in the public interest because it will allow Intelsat to provide new capacity from the 137.0° W.L. orbital location.

For the reasons set forth herein, Intelsat respectfully requests that the Commission grant this STA extension request. Please direct any questions regarding this STA extension request to the undersigned at (703) 559-6949.

Sincerely,

*/s/ Cynthia J. Grady*

Cynthia J. Grady  
Regulatory Counsel  
Intelsat Corporation

cc: Stephen Duall  
Jay Whaley  
Cindy Spiers

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<sup>6</sup> See 47 C.F.R. § 25.114(c)(4)(vi)(A); *Application of Intelsat License LLC to Modify Authorization for Intelsat 5 (S2704)*, Stamp Grant, File No. SAT-MOD-20170331-00057, Condition 9 (May 4, 2017).