



File # SAT-STA-20191217-00149

Call Sign 52404 Grant Date 12/31/19

(or other identifier)

Term Dates period of

From 01/01/20

To: 30 days

Approved:

*Stephen J. Duall*

Stephen J. Duall

Chief, Satellite Policy Branch

Approved by OMB  
3060-0678

Date & Time Filed: Dec 17 2019 9:19:19:270PM  
File Number: SAT-STA-20191217-00149  
Callsign:

\*with conditions

FEDERAL COMMUNICATIONS COMMISSION  
APPLICATION FOR SPACE STATION SPECIAL TEMPORARY AUTHORITY  
FOR OFFICIAL USE ONLY

APPLICANT INFORMATION


Enter a description of this application to identify it on the main menu:

Request for Special Temporary Authority to De-orbit the Intelsat 805 Satellite

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 US LLC 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-20191217-00149**

<b>IBFS File No(s):</b>	SAT-STA-20191217-00149	<b>GRANTED – With Conditions</b>    <b>International Bureau Satellite Division</b>
<b>Licensee/Grantee:</b>	Intelsat License LLC	
<b>Call Sign:</b>	S2404	
<b>Satellite Name:</b>	Intelsat 805	
<b>Orbital Location: (required station-keeping tolerance)</b>	169.1° E.L. (+/- 0.05 degrees east/west station keeping)	
<b>Administration:</b>	United States of America	
<b>Nature of Service:</b>	Telemetry, Tracking, and Command (TT&C)	
<b>Scope of Grant:</b>	Special temporary authority for a period of 30 for TT&C operations in connection with the post-mission disposal of the Intelsat 805 space station <sup>1</sup>	
<b>Service Area</b>	N/A	
<b>Frequencies:</b>	TT&C center frequencies: 3947.5 MHz; 3948.0 MHz; 3950.0 MHz; 3952.0 MHz, 3952.5 MHz (space-to-Earth) 6173.7 MHz; 6176.3 MHz; 12501 MHz (Earth-to-space)	
<b>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:</b>		
<div><div>1.</div><div>Operations pursuant to this special temporary authority must be on an unprotected and non-harmful interference basis, i.e., the Intelsat 805 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.</div></div> <div><div>2.</div><div>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.</div></div> <div><div>3.</div><div>Intelsat must coordinate all orbit raising maneuver TT&amp;C operations with existing geostationary space stations to ensure that no unacceptable interference results from its TT&amp;C operations during its disposal operations.</div></div> <div><div>4.</div><div>Intelsat must operate only the TT&amp;C frequencies on Intelsat 805 during the disposal operations.</div></div> <div><div>5.</div><div>Within 30 days of completion of the end-of-life maneuvers, Intelsat must send a letter to the Chief, Satellite Division, International Bureau, indicating the apogee and perigee of the Intelsat 805 disposal orbit.</div></div> <div><div>6.</div><div>Any action taken or expense incurred as a result of operations pursuant to this special temporary authority is solely at Intelsat's own risk.</div></div>		
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.		

<sup>1</sup> Intelsat plans to begin deorbit maneuvers in early January and to complete the de-orbit by January 30, 2020. STA Request at 1. Intelsat intends to dispose of the satellite in a manner approved by the Commission as part of its most recent modification of the license for Intelsat 805. *Id.*, citing IBFS File No. SAT-MOD20180807-00059, Engineering Statement at 7 (corrected stamp grant Feb. 8, 2019).

**ATTACHMENT TO GRANT**  
Intelsat License LLC.  
IBFS File No. SAT-STA-20191217-00149

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>	December 31, 2019
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<b>Term Dates</b>	<b>From:</b> January 1, 2020	<b>To:</b> period of 30 days
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**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 US LLC	<b>Fax Number:</b>	703-559-8539
<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 SATMOD2018080700059 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  
2020-01-31 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 a grant of Special Temporary Authority for 30 days, commencing January 1, 2020, to extend the Intelsat 805 license term to allow temporary continued operations at 169.1 E.L. under the terms of the Intelsat 805 permanent license.

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  
Senior Counsel, Intelsat US LLC

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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December 17, 2019

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

Re: Request for Special Temporary Authority to Extend the Intelsat 805 License Term;  
Call Sign: S2404

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests a grant of Special Temporary Authority ("STA")<sup>1</sup> for 30 days, commencing January 1, 2020, to extend the Intelsat 805 (Call Sign S2404) license term to allow temporary continued operations at 169.1° E.L. under the terms of the Intelsat 805 permanent license.<sup>2</sup> The current license term for Intelsat 805 expires on December 31, 2019.

Intelsat seeks this temporary extension in order to de-orbit the satellite. Intelsat plans to begin de-orbit maneuvers in early January and to complete the de-orbit by January 30, 2020. The de-orbit schedule is based on current manpower/schedule constraints.

Temporarily extending the license term of the Intelsat 805 satellite will not affect the satellite's post-mission disposal plan. As approved in the most recent Intelsat 805 license modification, Intelsat intends to dispose of the Intelsat 805 satellite by moving it to a minimum altitude of 150 kilometers above the geostationary arc and has reserved 15.97 kilograms of fuel for this purpose.<sup>3</sup> The satellite's subsystems and solar panels are functioning normally, and there are no single points of failure on Intelsat 805 that would result in an inability to de-orbit the satellite.

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<sup>1</sup> Intelsat has filed this STA request, an FCC Form 159, and a \$980.00 filing fee electronically via the International Bureau's Filing System.

<sup>2</sup> See *Satellite Policy Branch Information; Actions Taken*, Report No. SAT-01361, File No. SAT-MOD-20180807-00059 (Nov. 30, 2018) (Public Notice). To the extent necessary, Intelsat requests that all waivers granted in the Intelsat 805 permanent license be extended to this requested STA.

<sup>3</sup> See Intelsat License LLC Application to Modify Authorization for Intelsat 805, File No. SAT-MOD-20180807-00059, Engineering Statement at 7 (corrected stamp grant Feb. 8, 2019). Due to the design of Intelsat 805, Intelsat will not be able to vent all pressurized systems and has previously obtained waivers of 47 C.F.R. §§ 25.114(d)(14)(ii) and 25.283(c). See *id.* at 6; see *supra* n. 2, Grant Condition 17 (extending prior granted waivers of 47 C.F.R. §§ 25.114(d)(14)(ii), 25.283(c)).

Ms. Marlene H. Dortch  
December 17, 2019  
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Grant of this STA request will not result in increased risk of harmful interference. Intelsat will continue to operate Intelsat 805 in conformance with all relevant coordination agreements for the nominal 169° E.L. orbital location.

Grant of this STA request to extend the license will serve the public interest by allowing the continuation of operations of Intelsat 805 until the satellite's scheduled de-orbit is complete.

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

Sincerely,

*/s/ Cynthia J. Grady*

Cynthia J. Grady  
Senior Counsel  
Intelsat US LLC

cc: Stephen Duall  
Jay Whaley  
Jennifer Balatan