

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:  
Request for 30-Day STA Using Fillmore, CA Earth Station E4132 for GSAT-18 LEOP

**I. 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		


30 days "With Condition"

File # SES-STA-20160824-00741

Call Sign E4132 Grant Date 09/19/2016  
(or other identifier)

Term Dates  
From 10/04/2016 To 11/02/2016

Approved: Paul E. Pless



Applicant: Intelsat License LLC  
File No.: SES-STA-20160824-00741  
Call Sign: E4132  
Special Temporary Authority

Intelsat License LLC is granted Special Temporary Authority, under the following conditions, for 30 days, beginning October 04, 2016, to operate its C-band earth station, Call Sign E4132, located in, Fillmore, California, to provide launch and early orbit phase ("LEOP") services for the GSAT-18 satellite licensed by India, as it travels to its permanent orbital location 74° E.L. Communications will be on the following center frequencies: 6415.00 MHz and 6421.48 MHz (RHCP) in the (Earth-to-space), and 4187.52 MHz and 4188.768 MHz (LHCP) in the (space-to-Earth). GSAT-18 satellite is expected to be launched no earlier than October 04, 2016.

1. During the drift to the satellite's permanent orbital location at 74.0° E.L., Intelsat will coordinate with operators of co-frequency satellites in the drift path.
2. The LEOP operations must be coordinated with all operators of satellites that use the same frequency bands and are in the LEOP path. All operators of satellites in that path will be provided with an emergency phone number where the licensee can be reached in the event that harmful interference occurs, Currently the 24x7 contact information for the GSAT-18 LEOP mission is as follows: Ph.: (703) 559-7701 - East Coast Operations Center (primary); (310) 525-5591 - West Coast Operations Center (back-up). Request to speak with Harry Burnham or Kevin Bell.
3. All operations under this grant of STA shall be on an unprotected and non-harmful interference basis. Intelsat's E4132 shall not cause harmful interference to, and shall not claim protection from interference caused to it by, any other lawfully operating radio communication system.
4. In the event of any harmful interference under this grant of STA, Intelsat License, LLC, E4132 must cease operations immediately upon notification of such interference, and must inform the Commission, in writing, immediately of such an event.
5. Grant of this authorization is without prejudice to any determination that the Commission may make regarding pending or future Intelsat License, LLC applications.
6. Any action taken or expense incurred as a result of operations pursuant to this STA is solely 'at Intelsat License, LLC's 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.



*"with conditions"*  
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Approved: Paul E. Hales



**INTELSAT.**

*Envision. Connect. Transform.*

August 24, 2016

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

Re: Request for Special Temporary Authority  
Fillmore, California Earth Station E4132

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests a grant of Special Temporary Authority (“STA”)<sup>1</sup> for 30 days, commencing October 4, 2016, to use its Fillmore, California C-band earth station—call sign E4132—to provide launch and early orbit phase (“LEOP”) services for the GSAT-18 satellite. GSAT-18 is expected to be launched October 4, 2016.<sup>2</sup> The LEOP period is expected to last approximately 10 days.<sup>3</sup>

The GSAT-18 LEOP operations will be performed in the following frequency bands: 6415.00 MHz and 6421.48 MHz in the uplink (RHCP), and 4187.52 MHz and 4188.768 MHz in the downlink (LHCP). The LEOP operations will be coordinated with all operators of satellites that use the same frequency bands and are in the LEOP path.<sup>4</sup> All operators of satellites in that path will be provided with an emergency phone number where the licensee can be reached in the event that harmful interference occurs.

The 24x7 contact information for the GSAT-18 LEOP mission is as follows:

Ph.: (703) 559-7701 – East Coast Operations Center (primary)  
(310) 525-5591 – West Coast Operations Center (back-up)

Request to speak with Harry Burnham or Kevin Bell.

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<sup>1</sup> Intelsat has filed its STA request, an FCC Form 159, a \$195.00 filing fee, and this supporting letter electronically via the International Bureau’s Filing System (“IBFS”).

<sup>2</sup> The permanent orbital location for GSAT-18, which Intelsat understands is licensed by India, will be 74.0° E.L. The in-orbit testing location will be 48.0° E.L.

<sup>3</sup> Intelsat is seeking authority for 30 days to accommodate a possible launch delay.

<sup>4</sup> Indian Space Research Organisation (“ISRO”), the manager of the GSAT-18 mission, will handle the coordination.

Ms. Marlene H. Dortch  
August 24, 2016  
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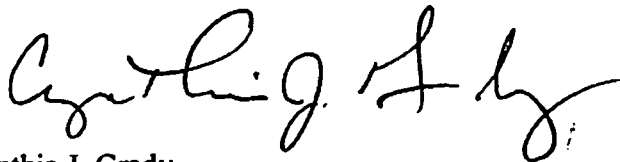
In further support of this request, Intelsat hereby attaches Exhibits A and B, which contain technical information that demonstrates that the operation of the earth station will be compatible with its electromagnetic environment and will not cause harmful interference into any lawfully operating terrestrial facility, as well as a waiver request. Intelsat also notes that for purposes of the GSAT-18 LEOP mission, it is seeking to operate in the frequencies listed in the request at power levels not to exceed 34.0 dBW. In the extremely unlikely event that harmful interference should occur due to transmissions to or from its earth station, Intelsat will take all reasonable steps to eliminate the interference.

Finally, Intelsat clarifies that during the GSAT-18 LEOP mission, ISRO will serve as the mission manager. ISRO will build and send the commands to the Intelsat antenna, which will process and execute the commands. Telemetry received by Intelsat will be forwarded to ISRO. Intelsat will perform the ranging sessions by sending a tone to the spacecraft periodically. Intelsat will remain in control of the baseband unit, RF equipment, and antenna.

Grant of this STA request will allow Intelsat to help launch the GSAT-18 satellite. This, in turn, will result in the provision of a replacement satellite to ensure service continuity at the 74.0° E.L. orbital location and thereby promotes the public interest.

Please direct any questions regarding this STA request to the undersigned at (703) 559-6949.

Respectfully submitted,



Cynthia J. Grady  
Regulatory Counsel  
Intelsat Corporation

cc: Paul Blais

<b>2. Contact</b>	
<b>Name:</b> Cynthia J. Grady	<b>Phone Number:</b> 703-559-6949
<b>Company:</b> Intelsat Corporation	<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.)	
<b>3. Reference File Number or Submission ID</b>	
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):	
<b>4b. Fee Classification</b> CGX - Fixed Satellite Transmit/Receive Earth Station	
<b>5. Type Request</b>	
<input type="radio"/> Use Prior to Grant <input type="radio"/> Change Station Location <input checked="" type="radio"/> Other	
<b>6. Requested Use Prior Date</b>	
<b>7. City</b> Fillmore	<b>8. Latitude</b> (dd mm ss.s h) 34 24 22.0 N

9. State CA	10. Longitude (dd mm ss.s h) 118 53 34.0 W
11. Please supply any need attachments. Attachment 1: STA Request                      Attachment 2: Exhibit A                      Attachment 3: Exhibit B	
12. 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.) <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> IntelSAT License LLC herein requests a grant of Special Temporary Authority for 30 days, commencing October 4, 2016, to use its Fillmore, California C-band earth station, call sign E4132, to provide launch and early orbit phase services for the GSAT-18 satellite. GSAT-18 is expected to be launched October 4, 2016. </div>	
13. 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. <div style="text-align: right;"> <input checked="" type="radio"/> Yes                      <input type="radio"/> No </div>	
14. Name of Person Signing Cynthia J. Grady	15. Title of Person Signing Regulatory Counsel, Intelsat Corporation
<b>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).</b>	

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