

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:  
Request for Extension of STA Using Fillmore, California Earth Station E4132

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		

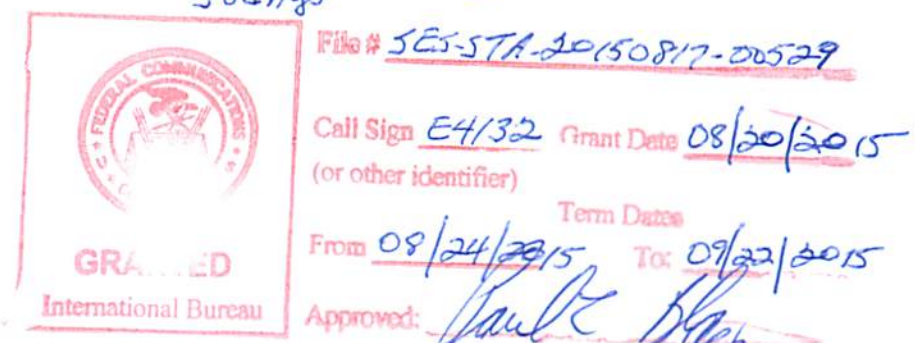
30 days "Extension with conditions"

File # SES-STA-20150817-00529

Call Sign E4132 Grant Date 08/20/2015  
(or other identifier)

Term Dates  
From 08/24/2015 To: 09/22/2015

Approved: [Signature]



Applicant: Intelsat License LLC  
File No.: SES-STA-20150817-00529  
Call Sign: E4132  
Special Temporary Authority (STA)



File # SES-STA-20150817-00529  
Call Sign E4132 Grant Date 08/20/2015  
(or other identifier)  
Term Dates  
From 08/24/2015 To 09/22/2015  
Approved: Karl E. Haas

Intelsat License LLC ("Intelsat") is granted STA extension from SES- STA-20150612-00362, for 30 days, beginning August 24, 2015, to September 22, 2015, to use its Fillmore, California, C-band earth station, Call Sign E4132, to provide launch and early orbit phase (LEOP) services to the GSAT-6 satellite licensed by India under the following conditions:

1. Uplink (Earth-to-space) frequency to GSAT-6 satellite are 6415.00 MHz and 6423.496 MHz (RHCP) center frequency within coordinated emission and power limits.
2. Downlink (space-to-Earth) frequencies from GSAT-6 satellite are 4194.00 MHz and 4197.504 MHz (LHCP) center frequencies.
3. 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-6 satellite LEOP mission is as follows: Ph.: (703) 559-7701 –East Coast Operations Center (primary); (310) 525-5591- West Coast Operations Center (back-up). Requests to speak with Harry Burnham or Kevin Bell.
4. 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.
5. In the event of any harmful interference as a result of operations under this grant of STA, Intelsat shall cease operations immediately upon notification of such interference and shall immediately inform the Commission, in writing, of such an event.
6. Grant of this STA is without prejudice to any determination that the Commission may make regarding pending or future Intelsat License LLC applications.
7. Any action taken or expense incurred as a result of operations pursuant to this STA is solely at Intelsat License LLC's risk.

This grant is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. § 0.261, and is effective upon release.



**INTELSAT.**

*Envision. Connect. Transform.*

August 14, 2015

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

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

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests an additional 30 days—from August 24, 2015 through September 22, 2015—of the Special Temporary Authority (“STA”)<sup>1</sup> previously granted Intelsat to use its Fillmore, California C-band earth station—call sign E4132—to provide launch and early orbit phase (“LEOP”) services for the GSAT-6 satellite that, due to an unexpected launch delay, is now scheduled to be launched on August 27, 2015.<sup>2</sup> The LEOP period is expected to last approximately 10 days.<sup>3</sup>

The GSAT-6 LEOP operations will be performed in the following frequency bands: 6415.00 MHz and 6423.496 MHz in the uplink (RHCP), and 4194.0 MHz and 4197.504 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-6 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> See *Satellite Communications Services Information; Actions Taken*, Report No. SES-01768, File No. SES-STA-20150612-00362 (July 22, 2015) (Public Notice). The permanent orbital location and the in-orbit testing location for GSAT-6, which Intelsat understands is licensed by India, will be at 83.0° E.L.

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

<sup>4</sup> Indian Space Research Organisation (“ISRO”), the manager of the GSAT-6 LEOP mission, will handle the coordination.

Ms. Marlene H. Dortch  
August 14, 2015  
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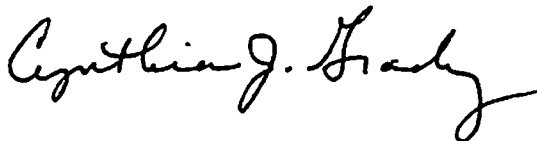
In further support of this extension request, Intelsat incorporates by reference Exhibits A and B of the original STA request, which contain technical information that demonstrates that the operation of the earth station will be compatible with its electromagnetic environment and will not cause harmful interference into any lawfully operating terrestrial facility, as well as a waiver request. Intelsat also notes that for purposes of the GSAT-6 LEOP mission, it is seeking to operate in the frequencies listed in the request at power levels not to exceed 28.4 dBW. The technical information submitted with the original STA request reflects a power level as high as 34.7 dBW because Intelsat might operate at this level in the event an emergency necessitates the use of a higher power level in order to command the satellite. 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-6 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 extension request will allow Intelsat to help launch the GSAT-6 satellite. This, in turn, will help ensure continuity of service at the 83.0° E.L. orbital location and thereby promotes the public interest.

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

Respectfully submitted,



Cynthia J. Grady  
Regulatory Counsel  
Intelsat Corporation

cc: Paul Blais

**2. Contact**

<b>Name:</b>	Cynthia J. Grady	<b>Phone Number:</b>	703-559-6949
<b>Company:</b>	Intelsat Corporation	<b>Fax Number:</b>	703-559-8539
<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 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    CGX - Fixed Satellite Transmit/Receive Earth Station

5. Type Request

- Use Prior to Grant                       Change Station Location                       Other

6. Requested Use Prior Date

7. City/Fillmore

8. Latitude  
(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:                      Attachment 3:	
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 an additional 30 days, from August 24, 2015 through September 22, 2015, of the Special Temporary Authority previously granted IntelSAT to use its Fillmore, California C-band earth station, call sign E4132, to provide launch and early orbit phase services for the GSAT-6 satellite that, due to an unexpected launch </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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## 12. Description

Intelsat License LLC herein requests an additional 30 days, from August 24, 2015 through September 22, 2015, of the Special Temporary Authority previously granted Intelsat to use its Fillmore, California C-band earth station, call sign E4132, to provide launch and early orbit phase services for the GSAT-6 satellite that, due to an unexpected launch delay, is now scheduled to be launched on August 27, 2015.