

4/15

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:  
Request for Further Extension of STA Using Earth Station E060384 for Intelsat 31 LEOP, IOT, and TT&C

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		

30 days


"Extension with conditions"

File # SES-STA-20160713-00655

Call Sign E060384 Grant Date 07/25/2016  
(or other identifier)

Term Dates  
From 07/29/2016 To 08/29/2016

Approved: Paul E. Blaco



Application: Intelsat License, LLC  
File No.: SES-STA-20160713-00655  
Call Sign: E060384  
Special Temporary Authority

Intelsat License, LLC is granted STA extension from SES-STA-20160622-00570, for 30 days, beginning July 29, 2016, to operate its fixed earth station in Nuevo, California located at 33° 47' 47.30" N.L, 117° 05' 15.0" W.L to conduct launch and early orbit phase (LEOP) services and provide telemetry, tracking, and control (TT&C) functions during in-orbit testing (IOT) at 132.0° W.L. and drift of the U.S. licensed Intelsat 31 satellite to its final location of 95.05° W.L. The LEOP and TT&C operations during IOT will be under the following conditions:

1. Intelsat will perform TT&C operations in the uplink frequencies (Earth-to-space) 13998.50 MHz and 14006.0 MHz (LHCP, H), and in the downlink frequencies (space-to-Earth) 11194.25 MHz, 11195.50MHz, 11196.25 MHz and 11196.75 MHz (RHCP, V) with the coordinated emission carrier 900KF2D and the maximum EIRP shall not exceed 85 dBW per NTIA manual US 356.
2. Intelsat will coordinate the proposed IOT operations at IOT location 132.0° W.L. with operators of co-frequency satellites within six degrees. During the drift from 132.0° W.L. to the satellite's permanent orbital location 95.05° W.L., Intelsat will coordinate with operators of co-frequency satellites in the drift path.
3. 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 Intelsat 31 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.
4. Operations, shall not cause harmful interference to, and shall not claim protection from, interference caused to it by any other lawfully operating station and it shall cease transmission(s) immediately upon notice of such interference.
5. In the event of any harmful interference under this grant of STA, Intelsat License LLC E060384 must cease operations immediately upon notification of such interference, and must inform the Commission, in writing, immediately of such an event.
6. Grant of this authorization 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.
8. 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.



File # SES-STA-20160713-00655 "Extension with conditions"  
Call Sign E060384 Grant Date 07/25/2016  
(or other identifier)  
Term Dates  
From 07/29/2016 To 08/27/2016  
Approved: Paul E. Flores



**INTELSAT.**

*Envision. Connect. Transform.*

July 13, 2016

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

Re: Request for Further Extension of Special Temporary Authority  
Riverside, California Earth Station E060384

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests an additional 30 days, beginning July 29, 2016, of the Special Temporary Authority (“STA”)<sup>1</sup> previously granted Intelsat to use its Riverside, California Ku-band earth station—call sign E060384—to provide launch and early orbit phase (“LEOP”) services<sup>2</sup> for Intelsat 31; telemetry, tracking, and command (“TT&C”) during in-orbit testing (“IOT”) at 132.0° W.L; and TT&C during the drift of Intelsat 31 to and at its final location of 95.05° W.L.<sup>3</sup> Due to an unexpected launch delay, Intelsat 31 was launched on June 9, 2016. The LEOP period is completed; IOT and drift are expected to last approximately three and two weeks, respectively.

The Intelsat 31 operations will continue to be performed using the following frequencies: 13998.50 MHz, and 14006.0 MHz in the uplink (LHCP, H); and 11194.25 MHz, 11195.5 MHz, 11196.25 MHz, and 11196.75 MHz in the downlink (RHCP, V). The operations will be coordinated with all operators of satellites that use the same frequency bands and are in the LEOP path, the drift path, or are potentially affected by these operations at the IOT location.<sup>4</sup> The TT&C operations at 95.05° W.L. will be consistent with Intelsat’s coordination agreements for the nominal 95° W.L. location. All operators of potentially affected satellites 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 Intelsat 31 mission is as follows:

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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-01865, File No. SES-STA-20160622-00570 (July 6, 2016) (Public Notice); *Satellite Communications Services Information; Actions Taken*, Report No. SES-015751856, File No. SES-STA-20160503-00390 (June 1, 2016) (Public Notice).

<sup>3</sup> See *Policy Branch Information; Actions Taken*, Report No. SAT-01052, File No. SAT-LOA-20140410-00038 (November 7, 2014) (Public Notice). At 95.05° W.L., Intelsat 31 will be co-located with Intelsat 30 (S2887) and Galaxy 3C (S2381).

<sup>4</sup> Intelsat will handle the coordination.

Ms. Marlene H. Dortch  
July 13, 2016  
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Ph.: (703) 559-7701 – East Coast Operations Center (primary)  
(310) 525-5591 – West Coast Operations Center (back-up)

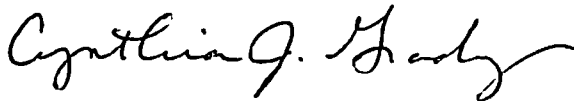
Request to speak with Harry Burnham or Kevin Bell.

In further support of this further extension request, Intelsat incorporates by reference Exhibit A of its initial STA request which contains 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, or into Federal systems operating in the 13.75 -14.00 GHz band. 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.

Grant of this STA further extension request will allow Intelsat to safely complete the testing and drift of the Intelsat 31 satellite. This, in turn, will help bring additional capacity to the 95.05° W.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 Nuevo</b>	<b>8. Latitude</b> (dd mm ss.s h) 33 47 46.1 N

9. State CA	10. Longitude (dd mm ss.s h) 117 5 15.1 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: 5px 0;"> <p>Intelsat License LLC herein requests an additional 30 days, beginning July 29, 2016, of the Special Temporary Authority previously granted Intelsat to use its Riverside, California Ku-band earth station, call sign E060384, to provide launch and early orbit phase services for Intelsat 31; telemetry, tracking, and command during in-orbit testing</p> </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. <input checked="" type="radio"/> Yes <input type="radio"/> No	
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, beginning July 29, 2016, of the Special Temporary Authority previously granted Intelsat to use its Riverside, California Ku-band earth station, call sign E060384, to provide launch and early orbit phase services for Intelsat 31; telemetry, tracking, and command during in-orbit testing at 132.0 W.L; and TT&C during the drift of Intelsat 31 to and at its final location of 95.05 W.L.