

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 Special Temporary Authority Using Castle Rock, Colorado Earth Station KL92

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		



File # SES-STA-20160308-00203  
 Call Sign W19A Grant Date 3-15-16  
 (or other identifier)  
 Term Dates  
 From: 3-17-16 To: 4-16-16  
 Approved: [Signature]

Application: Intelsat License LLC  
Call Sign: KL92  
File No.: SES-STA-20160308-00203  
Special Temporary Authority (STA)



File # SES-STA-20160308-00203  
Call Sign KL92 Grant Date 3-15-16  
(or other identifier)  
Term Dates  
From: 3-17-16 To: 4-16-16  
Approved: Karl E. Hoes

Intelsat License LLC is granted a STA extension from SES-STA-20160203-00115, for 30 days, beginning March 17, 2016, to operate its Ku-band earth station, Call Sign KL92, in Castle Rock, Colorado, to provide launch and early orbit phase ("LEOP") services for the SES-9 satellite at permanent orbital location 108.2° E.L., licensed by Gibraltar. The in-orbit testing location will be 113.5° E.L. under the following conditions.

1. Uplink (Earth-to-space) frequencies will be on 13753.00 MHz, 13998.00 MHz and 14496.00 MHz (RHCP) within the coordinated emission and power limits. The maximum EIRP shall not exceed 85 dBW per NTIA manual US 356.
2. Downlink (space-to-Earth) frequencies will be on 11199.50 MHz; 11702.50 MHz and 12246.50 MHz (RHCP).
3. All operators of satellites 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 SES-9 satellite 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. All operations under this grant of STA shall be on an unprotected and non-harmful interference basis. Intelsat's KL92 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 under this grant of STA, Intelsat's, KL92 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 0.26 1 of the Commission's rules on delegated authority, 47 C.F.R. §0.261, and is effective immediately.

**2. Contact**

**Name:** Cynthia J. Grady      **Phone Number:** 703-559-6949  
**Company:** Intelsat Corporation      **Fax Number:** 703-559-8539  
**Street:** 7900 Tysons One Place      **E-Mail:** cynthia.grady@intelsat.com  
**City:** McLean      **State:** VA  
**Country:** USA      **Zipcode:** 22102 -5972  
**Attention:**      **Relationship:** 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 Castle Rock      8. Latitude (dd mm ss.s h) 39 16 38.0 N

9. State CO	10. Longitude (dd mm ss.s h) 104 48 25.0 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.) Intelsat License LLC herein requests an additional 30 days, beginning March 15, 2016, of Special Temporary Authority previously granted Intelsat, to use its Castle Rock, Colorado Ku-band earth station, call sign KL92, to provide launch and early orbit phase services for the SES-9 satellite. SES-9 was launched on March 4, 2016. Intelsat expects the LEOP	
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
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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## **12. Description**

Intelsat License LLC herein requests an additional 30 days, beginning March 15, 2016, of Special Temporary Authority previously granted Intelsat, to use its Castle Rock, Colorado Ku-band earth station, call sign KL92, to provide launch and early orbit phase services for the SES-9 satellite. SES-9 was launched on March 4, 2016. Intelsat expects the LEOP period to last between fourteen and eighty days.



**INTELSAT**

*Envision. Connect. Transform.*

March 8, 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  
Castle Rock, Colorado Earth Station KL92

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests an additional 30 days, beginning March 15, 2016, of Special Temporary Authority (“STA”)<sup>1</sup> previously granted Intelsat, to use its Castle Rock, Colorado Ku-band earth station—call sign KL92—to provide launch and early orbit phase (“LEOP”) services for the SES-9 satellite.<sup>2</sup> SES-9 was launched on March 4, 2016.<sup>3</sup> Intelsat expects the LEOP period to last between fourteen and eighty days.<sup>4</sup>

The SES-9 LEOP operations will continue to be performed in the following frequency bands: 13753.0 MHz, 13998.0 MHz, and 14496.0 MHz in the uplink (RHCP), and 11199.5 MHz, 11702.5 MHz, and 12246.5 MHz in the downlink (RHCP). The LEOP operations will be coordinated with all operators of satellites that use the same frequency bands and are in the LEOP path.<sup>5</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 SES-9 LEOP mission is as follows:

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

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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-01826, Fil No. SES-STA-20160203-00115 (Feb. 11, 2016) (Public Notice); *Satellite Communications Services information; Actions Taken*, Report No. SES-01813, File No. SES-STA-20151207-00916 (Jan. 13, 2016) (Public Notice);

<sup>3</sup> The permanent orbital location for SES-9, which Intelsat understands is licensed by Gibraltar, will be at 108.4° E.L. The in-orbit testing location will be 113.5° E.L.

<sup>4</sup> Intelsat is seeking 30 days to accommodate the LEOP window of the medium-lift launch, which will vary based on the performance of the rocket.

<sup>5</sup> Boeing, the manager of the SES-9 LEOP mission, will handle the coordination.

Ms. Marlene H. Dortch  
March 8, 2016  
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Request to speak with Harry Burnham or Kevin Bell.

In further support of this further extension request, Intelsat incorporates by reference Exhibits A - C submitted with its original request, which contain a 13.75 - 14.0 GHz analysis and waiver requests. Finally, Intelsat clarifies that during the SES-9 LEOP mission, Boeing will continue to serve as the mission manager. Boeing builds and sends the commands to the Intelsat antenna, which processes and executes the commands. Telemetry received by Intelsat is forwarded to Boeing. Intelsat performs 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 continue launching the SES-9 satellite. This, in turn, will help will provide additional capacity at the 108.2° 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