

KL92 SES-STA-20181011-03176 IB2018007196
IntelSAT License LLC

Approved by OMB
3060-0678

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 Extension Using Castle Rock, Colorado Earth Station KL92 to Provide LEOP Services for SES-12

1. Applicant

Name:	IntelSAT License LLC	Phone Number:	703-559-7848
DBA Name:		Fax Number:	703-559-8539
Street:	c/o IntelSAT US LLC 7900 Tysons One Place	E-Mail:	susan.crandall@intelsat.com
City:	McLean	State:	VA
Country:	USA	Zipcode:	22102 -5972
Attention:	Susan H. Crandall		



File # SES-STA-2018 10 11 03176
Call Sign KL92 Grant Date 12/1/2018
(or other identifier)
From 12/1/2018 To: 11/4/2019
Approved: [Signature] Term Dates

Conditions of grant of SES-STA-20180207-00099 apply. [Signature]

2. Contact

Name: Cynthia J. Grady **Phone Number:** 703-559-6949
Company: Intelsat US LLC **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. h) 104 48 26.9 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 of Special Temporary Authority, previously granted IntelSat to use its to use its Castle Rock, Colorado Ku-band earth station, call sign KL92, to provide launch and early orbit phase services for the SES-12 satellite.	
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 Senior Counsel, IntelSat US LLC
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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INTELSAT

Envision. Connect. Transform.

October 10, 2018

Ms. Marlene H. Dortch

Secretary

Federal Communications Commission

445 12th Street, SW

Washington, DC 20554

Re: Request for Extension of Special Temporary Authority
Castle Rock, Colorado Earth Station KL92

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests an additional 30 days of Special Temporary Authority ("STA"),¹ previously granted Intelsat to use its Castle Rock, Colorado Ku-band earth station—call sign KL92—to provide launch and early orbit phase ("LEOP") services² for the SES-12 satellite. SES-12 was launched on June 4, 2018.³ Intelsat expects the LEOP period to last approximately 180 days.⁴

The SES-12 LEOP operations will continue to be performed at the following frequencies: 13998.0 MHz, 13996.5 MHz, 13999.5 MHz, 14494.5 MHz, 14496.0 MHz, 14497.5 MHz, and 14499.0 MHz (CP) in the uplink; and 11499.5 MHz and 11703.5 MHz (CP) in the downlink. The LEOP operations will continue to be coordinated with all operators of satellites that use the same frequency bands and are in the LEOP path.⁵ 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-12 LEOP mission is as follows:

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

¹ Intelsat has filed its STA request, FCC Form 159, a \$210.00 filing fee, and this supporting letter electronically via the International Bureau's Filing System ("IBFS").

² See *Satellite Communications Services Information; Actions Taken*, Report No. SES-02053, File No. SES-STA-20180207-00099 (Apr. 18, 2018) (Public Notice).

³ The in-orbit testing location for SES-12, which Intelsat understands is licensed by the Netherlands, will be 81.5° E.L. The final location of SES-12 will be 95.0° E.L.

⁴ Intelsat is seeking authority for an additional 30 days to accommodate the longer orbit-raising time period required for an electric propulsion satellite.

⁵ Airbus, the manager of the SES-12 LEOP mission, will handle the coordination.

Intelsat US LLC
7900 Tysons One Place, McLean, VA 22102-5972 USA www.intelsat.com T +1 703-559-6800

Request to speak with Harry Burnham or Kevin Bell.

In further support of this extension request, Intelsat incorporates by reference Exhibits A and B, submitted with its original STA request,⁶ which contain a coordination report and waiver requests. 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 SES-12 LEOP mission, Airbus will serve as the mission manager. Airbus will build and send the commands to the Intelsat antenna, which will process and execute the commands. Telemetry received by Intelsat will continue to be forwarded to Airbus. 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 continue helping with the launch of the SES-12 satellite. This, in turn, will help provide additional capacity from the 95.0° 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,

/s/ Cynthia J. Grady

Cynthia J. Grady
Regulatory Counsel
Intelsat US LLC

⁶ See *supra* n. 2.