

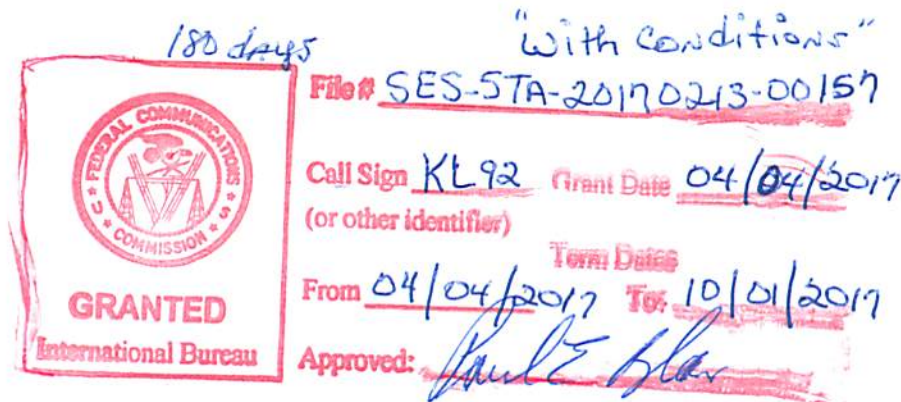
Approved by OMB
3060-0678

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
Request for STA Using Castle Rock, Colorado Earth Station KL92 to Provide LEOP Services for the SES-15 Satellite

I. 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		



Application: Intelsat License LLC
File No.: SES-STA-20170213-00157
Call Sign: KL92
Special Temporary Authority



Intelsat License LLC is granted a special temporary authority for 180 days, under the following conditions, beginning April 4, 2017 to October 1, 2017, to operate its 12.5 meter fixed earth station antenna in Castle Rock, CO to provide launch and early orbit phase (LEOP) services for the SES-15 satellite (licensed by Luxemburg) on the following center frequencies: 13999.0 MHz, 14001.0 MHz, 14499.0 MHz, and 14501.0 MHz (Earth-to-space), and 10700.5 MHz and 12199.5 MHz (space-to-Earth). SES-15 is scheduled to launch on April 4, 2017.

1. Uplink (Earth-to-space) frequencies will be on 13999 MHz, 14001 MHz, 14499 MHz and 14501 MHz (V, H or LHCP) 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 10700.50 MHz and 12199.50 MHz (V, H or LHCP).
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 SES-15 satellite 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. All operations shall be on an unprotected and non-harmful interference basis, Intelsat License LLC, KL92, 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 special temporary authority, Intelsat License LLC, 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. This special temporary authority can only be used to provide launch and early orbit phase ("LEOP") services for the SES-15 satellite.
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.



INTELSAT.

Envision. Connect. Transform.

February 10, 2017

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

Re: Request for Special Temporary Authority
Hagerstown, Maryland Earth Station E140121

(KL92)

Dear Ms. Dortch:

CASTLE ROCK, CO

(KL92) Intelsat License LLC ("Intelsat") herein requests a grant of Special Temporary Authority ("STA")¹ for 180 days, commencing April 4, 2017, to use its ~~Hagerstown, Maryland Ku-band~~ earth station—call sign ~~E140121~~—to provide launch and early orbit phase ("LEOP") services for the SES-15 satellite. SES-15 is expected to be launched on April 4, 2017.² Intelsat expects the LEOP period to last approximately 180 days.³

The SES-15 LEOP operations will be performed at the following frequencies: 13999.0 MHz, 14001.0 MHz, 14499.0 MHz, and 14501.0 MHz (V, H, or LHCP) in the uplink; and 10700.5 MHz and 12199.5 MHz (V, H, or LHCP) in the downlink. The LEOP operations will be coordinated with all operators of satellites that use the same frequency bands and are in the LEOP path.⁴ 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-15 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.

In further support of this request, Intelsat herewith attaches Exhibits A and B, which contain a 13 GHz report and a waiver request. In the extremely unlikely event that harmful interference should occur due

¹ Intelsat has filed its STA request, an FCC Form 159, a \$200.00 filing fee, and this supporting letter electronically via the International Bureau's Filing System ("IBFS").

² The in-orbit testing location for SES-15, which Intelsat understands is licensed by Luxemburg, will be at 136° W.L. The final location of SES-15 will be at 129° W.L.

³ Intelsat is seeking authority for 180 days to accommodate the longer orbit-raising time period required for an electric propulsion satellite.

⁴ Boeing, the manager of the SES-15 LEOP mission, will handle the coordination.

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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-15 LEOP mission, Boeing will serve as the mission manager. Boeing 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 Boeing. 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 SES-15 satellite. This, in turn, will help provide additional capacity from the 129° 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

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: 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: 5px 0;"> IntelSat License LLC herein requests a grant of Special Temporary Authority for 180 days, commencing April 4, 2017, to use its Castle Rock, Colorado Ku-band earth station, call sign KL92, to provide launch and early orbit phase services for the SES-15 satellite. SES-15 is expected to be launched on April 4, 2017. </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
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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