

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 Hispasat 1F Satellite

**I. 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 "with conditions"

File # SES-STA-20180105-00016

Call Sign KL92 Grant Date 01/25/2018  
(or other identifier)

Term Dates  
From: 02/19/2018 To: 03/16/2018

Approved: Paul E. Hays



**GRANTED**  
International Bureau

Application: Intelsat License LLC  
File No.: SES-STA-20180105-00016  
Call Sign: KL92  
Special Temporary Authority

Intelsat License LLC is granted a special temporary authority for 30 days, under the following conditions, beginning February 14, 2018, to operate its 14.2-meter fixed earth station antenna (KL92) in Castle Rock, Colorado, to provide launch and early orbit phase (LEOP) services ~~and conduct telemetry, tracking, and command (TT&C) services during in-orbit testing (IOT) at 26° W.L. for the Hispasat-1F satellite (licensed by Spain) to its final location at 30° W.L.~~ on the following center frequencies: 13997.50 MHz (Earth-to-space), and 10701 MHz and 11448 MHz (space-to-Earth). Hispasat-1F satellite is expected to launch on February 14, 2018. *Feb*

1. Uplink (Earth-to-space) center frequency will be on 13997.50 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 10701 MHz and 11448 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 Hispasat-1F 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 special temporary authority 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 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. Any action taken or expense incurred as a result of operations pursuant to this special temporary authority 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.



*"with conditions"*  
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Call Sign KL92 Grant Date 01/25/2018  
(or other identifier)

Term Dates  
From: 02/14/2018 To: 03/16/2018

Approved: *[Signature]*



**INTELSAT.**

*Envision. Connect. Transform.*

January 5, 2018

Ms. Marlene H. Dortch  
Secretary  
Federal Communications Commission  
445 12th Street, SW  
Washington, DC 20554

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

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests a grant of Special Temporary Authority (“STA”)<sup>1</sup> for 30 days, commencing February 14, 2018, to use its Castle Rock, Colorado Ku-band earth station—call sign KL92—to provide launch and early orbit phase (“LEOP”) services for the Hispasat 1F satellite. Hispasat 1F is expected to launch on February 14, 2018.<sup>2</sup> Intelsat expects the LEOP period to last approximately 30 days.

The Hispasat 1F LEOP operations will be performed at the following frequencies: 13249.0 MHz and 13997.5 MHz (RHCP) in the uplink; and 10701.0 MHz and 11448.0 MHz (RHCP) 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.<sup>3</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 Hispasat 1F 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, B, and C which contain a coordination report, 13 GHz 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.

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<sup>1</sup> Intelsat has filed its STA request, FCC Form 159, a \$200.00 filing fee, and this supporting letter electronically via the International Bureau’s Filing System (“IBFS”).

<sup>2</sup> The in-orbit testing location for Hispasat 1F, which Intelsat understands is licensed by Spain, will be 26.0° W.L. The final location of Hispasat 1F will be 30.0° W.L.

<sup>3</sup> SSL, the manager of the Hispasat 1F LEOP mission, will handle the coordination.

Ms. Marlene H. Dortch  
January 5, 2018  
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Finally, Intelsat clarifies that during the Hispasat 1F LEOP mission, SSL will serve as the mission manager. SSL 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 SSL. 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 Hispasat 1F. This, in turn, will help provide additional capacity from the 30.0° W.L. orbital location and thereby promotes the public interest.

Please direct any questions regarding this STA request to the undersigned at (703) 559-7848.

Respectfully submitted,

/s/ Susan H. Crandall  
Susan H. Crandall  
Associate General Counsel  
Intelsat Corporation

cc: Paul Blais

<b>2. Contact</b>	
<b>Name:</b> Susan H. Crandall	<b>Phone Number:</b> 703-559-7848
<b>Company:</b> Intelsat Corporation	<b>Fax Number:</b> 703-559-8539
<b>Street:</b> 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>	<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?	
<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):	
4b. Fee Classification CGX - Fixed Satellite Transmit/Receive Earth Station	
5. Type Request	
<input type="radio"/> Use Prior to Grant <input type="radio"/> Change Station Location <input checked="" type="radio"/> 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 26.9 W
11. Please supply any need attachments. Attachment 1: STA Request                      Attachment 2: Exhibits A - C                      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 a grant of Special Temporary Authority for 30 days, commencing February 14, 2018, to use its Castle Rock, Colorado Ku-band earth station, call sign KL92, to provide launch and early orbit phase services for the Hispasat 1F satellite. Hispasat 1F is expected to be launched on February 14, 2018.</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 Susan H. Crandall	15. Title of Person Signing Assoc. General 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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