

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 Castle Rock, Colorado Earth Station KL92 to Provide On-Station TT&C Services to SKY-B1 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		

*60 days*      *"Extension with conditions"*

**File #** SES-STA-20170510-00551

**Call Sign** KL92 **Grant Date** 05/15/2017  
(or other identifier)

**Term Dates**  
**From** 05/16/2017 **To** 07/14/2017

**Approved:** Paul E. Ryan



The stamp is a red circular seal of the Federal Communications Commission. Inside the seal, it says 'FEDERAL COMMUNICATIONS COMMISSION'. Below the seal, the word 'GRANTED' is printed in large, bold letters, and 'International Bureau' is printed in smaller letters below that.

Applicant: Intelsat License LLC  
File No.: SES-STA-20170510-00551  
Call Sign: KL92  
Special Temporary Authority (STA)

Intelsat License, LLC, is granted a STA extension from SES-STA-20170412-00380 for 60 days, beginning May 16, 2017, to operate its fixed earth station in Castle Rock, Colorado, call-sign KL92, to provide telemetry, tracking, and command (TT&C) functions for Sky-B1 satellite, at 43.15° W.L., using the following center frequencies: 13249.50 MHz and 14498.00 MHz (Earth-to-space), and 11443.00 MHz, 11443.50 MHz, 11444.50 MHz, 11446.50 MHz and 11447.00 MHz (space-to-Earth) under the following conditions:

1. All operations must be within the coordinated emission and power limits.
2. During the drift to the satellite's permanent orbital location 43.15° W.L., Intelsat will coordinate with operators of co-frequency satellites in the drift path.
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 Sky-B1 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 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 STA is solely at Intelsat License LLC's risk.
8. This grant is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. § 0.261, and is effective upon release.



File # SES-STA-20170510-00551  
Call Sign KL92 Grant Date 05/15/2017  
(or other identifier)  
Term Dates  
From 05/16/2017 To 07/14/2017  
Approved: [Signature]



**INTELSAT.**

*Envision. Connect. Transform.*

May 10, 2017

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 60 days 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 telemetry, tracking, and command (“TT&C”) to SKY-B1 on-station at 43.15° W.L.<sup>2</sup> SKY-B1, a U.S. licensed satellite, was launched on February 14, 2017.<sup>3</sup>

The SKY-B1 operations will continue to be performed using the following frequencies: 13249.5 MHz (V & CP) and 14498.00 MHz (H & CP) in the uplink; and 11443 MHz (V & CP), 11443.5 MHz (V & CP), 11444.5 MHz (H & CP), 11446.5 MHz (V & CP), and 11447 MHz (V & CP) in the downlink. The SKY-B1 operations will be coordinated with all operators of satellites that use the same frequency bands.<sup>4</sup> 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 SKY-B1 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.

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<sup>1</sup> 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”).

<sup>2</sup> See *Satellite Communications Services Information; Actions Taken*, Report No. SES-01949, File No. SES-STA-20170412-00380 (Apr. 19, 2017) (Public Notice). Intelsat’s previous STA requests also included launch and early orbit phase (“LEOP”) services, TT&C during in-orbit testing, in-orbit testing, and TT&C for the satellite’s drift to 43.15° W.L. LEOP services, IOT, and the drift are now complete. See Letter from Jennifer D. Hindin, Counsel for DIRECTV Enterprises, LLC, to Ms. Marlene H. Dortch, FCC, File Nos. SAT-MOD-20170221-00019, SAT-MOD-20150806-00054, SAT-RPL-20140221-00026, Call Sign S2922 (Mar. 28, 2017).

<sup>3</sup> See *Policy Branch Information; Actions Taken*, Report No. SAT-01221, File No. SAT-STA-20170302-00032 (Mar. 10, 2017) (Public Notice).

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

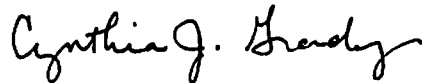
Ms. Marlene H. Dortch  
May 10, 2017  
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In further support of this extension request, Intelsat incorporates by reference Exhibit A submitted with its original STA request, which contains technical information that demonstrates that the operation of the earth station will be compatible with its electromagnetic environment and will not cause harmful interference into any lawfully operating terrestrial facility. 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 request will help ensure safe station-keeping of the SKY-B1 satellite and continuity of service at the 43.15° 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**

<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.)

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.) <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p>Intelsat License LLC herein requests an additional 60 days of Special Temporary Authority previously granted Intelsat to use its Castle Rock, Colorado Ku-band earth station, call sign KL92, to provide telemetry, tracking, and command to SKY-B1 on-station at 43.15 W.L. SKY-B1, a U.S. licensed satellite, was launched on February 14, 2017.</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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