

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:

Request for Extension of STA Using Castle Rock, Colorado Earth Station KL92 to Provide TT&C and IOT Services for SKY-B1 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		



Applicant: Intelsat License LLC  
File No.: SES-STA-20170310-00258  
Call Sign: KL92  
Special Temporary Authority (STA)

Intelsat License, LLC, is granted a special temporary authority, extension from SES-STA-20170120-00055 for 30 days, beginning March 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, during the in-orbit testing (IOT) at 33.0° W.L. and drift to its final location of 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.



*"Extension with Conditions"*  
File# SES-STA-20170310-00258  
Call Sign KL92 Grant Date 03/15/2017  
(or other identifier)  
Term Dates  
From 03/16/2017 To 04/15/2017  
Approved: Paul E. Hales



**INTELSAT.**

*Envision. Connect. Transform.*

March 9, 2017

Ms. Marlene H. Dortch  
Secretary  
Federal Communications Commission  
445 12th Street, S.W.  
Washington, D.C. 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”)<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”) during in-orbit testing (“IOT”) at 33.0° W.L. for SKY-B1; IOT services at 33.0° W.L.; TT&C during the drift of SKY-B1 to its final location of 43.1° W.L.; and TT&C on-station at 43.1° W.L.<sup>2</sup> SKY-B1, a U.S. licensed satellite, was launched on February 14, 2017.<sup>3</sup> The IOT and drift are expected to last approximately 30 days and 15 days, respectively.

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 and are in the drift path, or are potentially affected by these operations at the IOT location.<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)

---

<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> Intelsat’s previous STA request also included launch and early orbit phase (“LEOP”) services. LEOP services are now complete. *See Satellite Communications Services Information; Actions Taken*, Report No. SES-01927, File No. SES-STA-20170120-00055 (Feb. 8, 2017) (Public Notice).

<sup>3</sup> *See Policy Branch Information; Actions Taken*, Report No. SAT-01158, File No. SAT-RPL-20140221-00026 (May 13, 2016) (Public Notice).

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

Ms. Marlene H. Dortch  
March 9, 2017  
Page 2

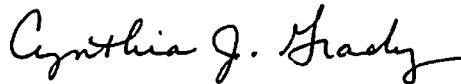
Request to speak with Harry Burnham or Kevin Bell.

In further support of this extension request, Intelsat incorporates by reference Exhibit A, 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 extension request will allow Intelsat to help launch and test the SKY-B1 satellite. This, in turn, will help support expansion of DTH services from the 43.1° 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;"> IntelSAT License LLC herein requests an additional 30 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 during in-orbit testing at 33.0 W. L. for SKY-B1; IOT services at 33.0 W.L.; TT&amp;C during the drift of SKY-B1 to its final </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
<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>	

**FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT**

The public reporting for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the required data, and completing and reviewing the collection of information. If you have any comments on this burden estimate, or how we can improve the collection and reduce the burden it causes you, please write to the Federal Communications Commission, AMD-PER, Paperwork Reduction Project (3060-0678), Washington, DC 20554. We will also accept your comments regarding the Paperwork Reduction Act aspects of this collection via the Internet if you send them to PRA@fcc.gov. PLEASE DO NOT SEND COMPLETED FORMS TO THIS ADDRESS.

Remember – You are not required to respond to a collection of information sponsored by the Federal government, and the government may not conduct or sponsor this collection, unless it displays a currently valid OMB control number or if we fail to provide you with this notice. This collection has been assigned an OMB control number of 3060-0678.

**THE FOREGOING NOTICE IS REQUIRED BY THE PAPERWORK REDUCTION ACT OF 1995, PUBLIC LAW 104-13, OCTOBER 1, 1995, 44 U.S.C. SECTION 3507.**



## **12. Description**

Intelsat License LLC herein requests an additional 30 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 during in-orbit testing at 33.0 W.L. for SKY-B1; IOT services at 33.0 W.L.; TT&C during the drift of SKY-B1 to its final location of 43.1 W.L.; and TT&C on-station at 43.1 W.L.