

KL92 SES-STA-20160713-00656 IB2016001613
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 Further Extension of 30-Day STA Using Castle Rock, Colorado Earth Station KL92 for Intelsat 31 LEOP, IOT, and TT&C

1. 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		



File # ~~SES-STA-20160713-00656~~
Call Sign KL92 Grant Date 7-25-16
(or other identifier)
Term Dates From: 7-27-16 To: 8-26-16
Approved: [Signature]

Applicant: Intelsat License, LLC
File No: SES-STA-20160713-00656
Call Sign: KL92
Special Temporary Authority



File # SES-STA-20160713-00656
Call Sign KL92 Grant Date 7-25-16
(or other identifier)
Term Dates
From: 7-27-16 To: 8-26-16
Approved: Paul E. Hayes

Intelsat License, LLC is granted a grant of special temporary authority extension from SES-STA-20160622-00571, for 30 days, commencing July 27, 2016, to use its Castle Rock, Colorado Ku-band earth station-call sign KL92- to provide launch and early orbit phase ("LEOP") services for Intelsat 31 satellite; telemetry, tracking, and command ("TT&C"), during in-orbit testing ("IOT") at 132.0° W.L.; and TT&C during the drift of Intelsat 31 to and at its final location of 95.05° W.L., under the following conditions:

1. Uplink (Earth-to-space) frequencies will be on 13998.50 MHz and 14006.00 MHz (LHCP, H) 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 11194.25 MHz, 11195.50 MHz, 11196.25 MHz and 11196.75 MHz (RHCP, V).
3. During the drift from 132.0° W.L. to the satellite's permanent orbital location 95.05° W.L., Intelsat will coordinate with operators of co-frequency satellites in the drift path.
4. 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 Intelsat 31 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.
5. 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.
6. 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.
7. Grant of this authorization is without prejudice to any determination that the Commission may make regarding pending or future Intelsat License LLC applications.
8. Any action taken or expense incurred as a result of operations pursuant to this STA is solely at Intelsat License LLC's risk.
9. 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.

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?			
<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 25.0 W
11. Please supply any need attachments.		Attachment 1: STA Request	Attachment 2: Attachment 3:
<p>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.)</p> <div style="border: 1px solid black; padding: 5px;"> <p>Intelsat License LLC herein requests an additional 30 days, beginning July 27, 2016, of the Special Temporary Authority previously granted Intelsat to use its Castle Rock, Colorado Ku-band earth station, call sign KL92, to provide launch and early orbit phase services for Intelsat 31; telemetry, tracking, and command during in-orbit testing at</p> </div>			
<p>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 &quot;party to the application&quot;; for these purposes.</p> <p style="text-align: right;">Yes <input checked="" type="radio"/> No <input type="radio"/></p>			
14. Name of Person Signing	Cynthia J. Grady		
15. Title of Person Signing	Regulatory Counsel, Intelsat Corporation		
<p>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).</p>			

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12. Description

Intelsat License LLC herein requests an additional 30 days, beginning July 27, 2016, of the Special Temporary Authority previously granted Intelsat to use its Castle Rock, Colorado Ku-band earth station, call sign KL92, to provide launch and early orbit phase services for Intelsat 31; telemetry, tracking, and command during in-orbit testing at 132.0 W.L; and TT&C during the drift of Intelsat 31 to and at its final location of 95.05 W.L.



INTELSAT.

Envision. Connect. Transform.

July 13, 2016

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 30 days, beginning July 27, 2016, of the 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 Intelsat 31; telemetry, tracking, and command (“TT&C”) during in-orbit testing (“IOT”) at 132.0° W.L.; and TT&C during the drift of Intelsat 31 to and at its final location of 95.05° W.L.³ Intelsat 31 was launched on June 9, 2016. The LEOP period is completed; IOT and drift are expected to last approximately three and two weeks, respectively.

The Intelsat 31 operations will continue to be performed using the following frequencies: 13998.50 MHz, and 14006.0 MHz in the uplink (LHCP, H); and 11194.25 MHz, 11195.5 MHz, 11196.25 MHz, and 11196.75 MHz in the downlink (RHCP, V). The operations will be coordinated with all operators of satellites that use the same frequency bands and are in the LEOP path, the drift path, or are potentially affected by these operations at the IOT location.⁴ The TT&C operations at 95.05° W.L. will be consistent with Intelsat’s coordination agreements for the nominal 95° W.L. location. 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 Intelsat 31 mission is as follows:

¹ Intelsat has filed its STA request, an FCC Form 159, a \$195.00 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-01864, File No. SES-20160622-00571 (June 29, 2016) (Public Notice); *Satellite Communications Services Information; Actions Taken*, Report No. SES-015751856, File No. SES-STA-20160503-00393 (June 1, 2016) (Public Notice).

³ See *Policy Branch Information; Actions Taken*, Report No. SAT-01052, File No. SAT-LOA-20140410-00038 (November 7, 2014) (Public Notice). At 95.05° W.L., Intelsat 31 will be co-located with Intelsat 30 (S2887) and Galaxy 3C (S2381).

⁴ Intelsat will handle the coordination.

Ms. Marlene H. Dortch
July 13, 2016
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Ph.: (703) 559-7701 – East Coast Operations Center (primary)
(310) 525-5591 – West Coast Operations Center (back-up)

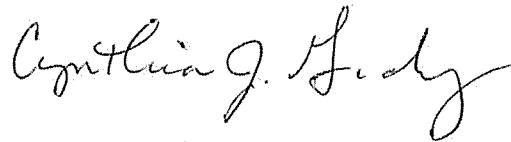
Request to speak with Harry Burnham or Kevin Bell.

In further support of this further extension request, Intelsat incorporates by reference Exhibit A of its initial 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, or into Federal systems operating in the 13.75-14.00 GHz band. 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 further extension request will allow Intelsat to safely complete the testing and drift of the Intelsat 31 satellite. This, in turn, will help ensure continuity of service at the 95.05° 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