

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 To Use Castle Rock, Colorado Earth Station KL92 to Provide TT&C Services for  
Intelsat 5 (S2704) Satellite

1. 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 US LLC<br>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                            |                      |                             |



File # SES-STA-20180720-01932  
Call Sign KL92 Grant Date 7/31/2018  
(or other identifier)  
Term Dates  
From 8/1/2018 To: 8/31/2018  
Approved: Paul E. Webb

Conditions of SES-STA-20180606-01001  
apply. PER

|   |                       |                      |                            |
|---|-----------------------|----------------------|----------------------------|
| <b>2. Contact</b>   |                       |                      |                            |
| <b>Name:</b>  | Cynthia J. Grady      | <b>Phone Number:</b> | 703-559-6949               |
| <b>Company:</b>   | Intelsat US LLC       | <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?   |                       |                      |                            |
| <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. CityCastle Rock  |                       |                      |                            |
| 8. Latitude (dd mm ss.s h) 39 16 38.0 N   |                       |                      |                            |

|   |    |  |                                |
|---|----|--|--------------------------------|
| 9. State  | CO | 10. Longitude<br>(dd mm ss.s h)                                    | 104 48 26.9 W                  |
| 11. Please supply any need attachments.   |    | Attachment 1: STA Request  | Attachment 2:<br>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> <p>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 services for Intelsat 5 (Call Sign S2704) during its drift from 156.9 E.L. to 137.0 W.L. and on station at 137.0 W.L.</p>  |    |  |                                |
| <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 "party to the application"; for these purposes.</p> <p style="text-align: center;"> <input checked="" type="radio"/> Yes                      <input type="radio"/> No </p> |    |  |                                |
| 14. Name of Person Signing<br>Cynthia J. Grady  |    | 15. Title of Person Signing<br>Regulatory Counsel, Intelsat US LLC |                                |
| <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 of Special Temporary Authority previously granted Intelsat to use its Castle Rock, Colorado Ku-band earth station, call sign KLJ92, to provide telemetry, tracking, and command services for Intelsat 5 (Call Sign S2704) during its drift from 156.9 E.L. to 137.0 W.L. and on station at 137.0 W.L. Intelsat arrived at 137.0 W. L. on May 30, 2018.

July 19, 2018

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 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”) services<sup>2</sup> for Intelsat 5 (Call Sign S2704) during its drift from 156.9° E.L. to 137.0° W.L. and on station at 137.0° W.L.<sup>3</sup> Intelsat 5 arrived at 137.0° W.L. on May 30, 2018.

TT&C operations will continue to be performed in the following frequencies: 14498 MHz (H) and 13999 MHz (RHCP) in the uplink; and 11451 MHz (H, V, and RHCP), 11452 MHz (H, V, and RHCP), and 11454 MHz (RHCP, and LHCP) in the downlink. On-station at 137.0° W.L., Intelsat will continue operate in conformance with FCC rules and any relevant coordination agreements.

In further support of this further extension request, Intelsat incorporates by reference Exhibits A and B submitted with its original STA request,<sup>4</sup> which contain 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 continue safely station-keep Intelsat 5 at its new location. This, in turn, will help meet a new service demand at the 137.0° W.L. orbital location and thereby promotes the public interest.

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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 *Policy Branch Information; Actions Taken*, Report No. SES-02074, File No. SES-STA-20180606-01001 (June 27, 2018) (Public Notice); *Policy Branch Information; Actions Taken*, Report No. SES-02062, File No. SES-STA-20180504-00488 (May 16, 2018) (Public Notice).

<sup>3</sup> Intelsat is also utilizing the following antennas on station for Intelsat 5: E060384, E140121, and KA258.

<sup>4</sup> The license for KL92 covers multiple antennas. This STA further extension request seeks authority for two of those antennas: K01 and K16. A technical exhibit is included in the original STA request for each antenna.

Ms. Marlene H. Dortch  
July 19, 2018  
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Please direct any questions regarding this STA further extension request to the undersigned at (703) 559-6949.

Respectfully submitted,

*/s/ Cynthia J. Grady*

Cynthia J. Grady  
Regulatory Counsel  
Intelsat US LLC

cc: Paul Blais