

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

1. Applicant

Name: Intelsat License LLC **Phone Number:** 703-559-7848
DBA Name: **Fax Number:** 703-559-8539
Street: c/o Intelsat Corporation **E-Mail:** susan.crandall@intelsat.com
7900 Tysons One Place
City: McLean **State:** VA
Country: USA **Zipcode:** 22102 -5972
Attention: Susan H. Crandall



File # SES-STA-20180606-01001
Call Sign KL92 Grant Date 6-25-18
(or other identifier)
From: 6-25-18 Term Dates To: 7-25-18
Approved: [Signature]

| | |
|---|----------------------------|
| 2. Contact | |
| Name: | Cynthia J. Grady |
| Company: | Intelsat Corporation |
| Street: | 7900 Tysons One Place |
| City: | McLean |
| Country: | USA |
| Attention: | |
| Phone Number: | 703-559-6949 |
| Fax Number: | 703-559-8539 |
| E-Mail: | cynthia.grady@intelsat.com |
| State: | VA |
| Zipcode: | 22102 -5972 |
| 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 checked="" 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: 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;"> <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> </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 |
| 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). | |

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INTELSAT

Envision. Connect. Transform.

June 6, 2018

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”)¹ 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 for Intelsat 5 (Call Sign S2704) during its drift from 156.9° E.L. to 137.0° W.L.² and on station at 137.0° W.L.³ 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 request, Intelsat incorporates by reference Exhibits A and B submitted with its original STA request,⁴ 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

¹ 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”).

² Intelsat originally intended to redeploy Intelsat 5 to 93.2° W.L. *See Policy Branch Information; Actions Taken*, Report No. SAT-01311, File No. SAT-STA-20180410-00027 (Apr. 20, 2018) (Public Notice). When the FCC recently made available for reassignment the C-band frequencies at 137° W.L., Intelsat filed to modify the authorization for the Intelsat 5 satellite to instead redeploy it to 137.0° W.L. Intelsat has also filed two STAs in support of the new redeployment. *See Intelsat License LLC, Modification of authorization to Redeploy to, and Operate Intelsat 5 (S2704) at, 137.0 W.L.*, File No. SAT-MOD-20180501-00036 (filed May 1, 2018); *See Policy Branch Information; Actions Taken*, Report No. SAT-01314, File No. SAT-STA-20180502-00039 (May 11, 2018) (Public Notice); *See Policy Branch Information; Satellite Space Applications Accepted for Filing*, Report No. SAT-01316, File No. SAT-STA-20180502-00040 (May 11, 2018) (Public Notice).

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

⁴ The license for KL92 covers multiple antennas. This STA 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
June 6, 2018
Page 2

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 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.

Please direct any questions regarding this STA extension request to the undersigned at (703) 559-6949.

Respectfully submitted,

/s/ Cynthia J. Grady

Cynthia J. Grady
Regulatory Counsel
Intelsat Corporation

cc: Paul Blais

Applicant: Intelsat License LLC
Call Sign: KL92
File No: SES-STA-20180606-01001
Special Temporary Authority (STA)

Intelsat License LLC ("Intelsat") is granted extension of special temporary authorization for 30 days to operate two 12.5 meter antennas, "KOI" and "K16", at its Castle Rock, Colorado earth station to perform tracking, telemetry and command ("TT&C") for Intelsat 5 (Call Sign S2704) satellite during its drift from 156.9° E.L. to 137.0° W.L. on center frequencies 14498 MHz (H) and 13999 MHz (RHCP) (Earth-to-space); and 11451 MHz (H, V, and RHCP), 11452 MHz (H, V, and RHCP), and 11454 MHz (RHCP, LHCP) (space-to-Earth) under the following conditions:

1. Operations shall be on an unprotected, non-interference basis with respect to other authorized stations, including federal stations.
2. Any future requests or extensions will need to submit applications to the FCC to be re-coordinated with NTIA.
3. Any action taken or expense incurred as a result of operations pursuant to this STA is solely at Intelsat's risk.
4. Operations during the period from June 19, 2018 to the grant of this authorization were authorized pursuant to Section 1.62 of the Commission's rules, 47 C.F.R. § 1.62.

This grant is issued pursuant to Section 0.26 1 of the Commission's rules on delegated authority, 47 C.F.R. § 0.261, and is effective upon release.



File # SES-STA-20180606-01001
Call Sign KL92 Grant Date 6-25-18
(or other identifier)
Term Dates
From: 6-25-18 To: 7-25-18
Approved: Paul E. Hayes