

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 Special Temporary Authority Using Castle Rock, CO Earth Station E030096

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-20151222-00972
E030096
Call Sign Grant Date 2-25-16
(or other identifier)
Term Dates From: 2-25-16 To: 3-27-16
Approved: Paul E. Adams

Application: Intelsat License LLC-
Call Sign: E030096
File No.: SES-STA-20151222-00972
Special temporary Authority (STA)



File # SES-STA-20151222-00972
Call Sign E030096 Grant Date 2-25-16
(or other identifier)
Term Dates
From: 2-25-16 To: 3-27-16
Approved: [Signature]

Intelsat License LLC is granted a STA extension from SES-STA-20151202-00908, for 30 days, beginning February 25, 2016 to operate its Ku-band earth station, Call Sign E030096, in Castle Rock, Colorado, to provide telemetry, tracking, and control (TT&C) services to the Intelsat 16 satellite (S2750) during its drift from 76.2° W.L. to 58.1 W.L. under the following conditions.

1. Intelsat will perform the operations in the uplink frequencies (Earth-to-space): 13997.50 MHz and 14499.50 MHz and the downlink frequencies (space-to-Earth): 12198.25 MHz and 12198.75 MHz within coordinated emission and power limits. The maximum EIRP shall not exceed 85 dBW per NTIA manual US 356.
2. 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 16 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.
3. Operations, shall not cause harmful interference to, and shall not claim protection from, interference caused to it by any other lawfully operating station and it shall cease transmission(s) immediately upon notice of such interference.
4. In the event of any harmful interference under this grant of STA, Intelsat License LLC E030096 must cease operations immediately upon notification of such interference, and must inform the Commission, in writing, immediately of such an event.
5. Grant of this authorization is without prejudice to any determination that the Commission may make regarding pending or future Intelsat License LLC applications.
6. Any action taken or expense incurred as a result of operations pursuant to this STA is solely 'at Intelsat License LLC's risk.
7. Operations in the 13.75-14.0 GHz band may only exceed 85 dBw/carrier if an emergency situation exists and the applicant must notify FCCOperationCenter@fcc.gov of the situation with a copy to paul.blais@fcc.gov.
8. Operations during the period January 8, 2015 to the date of this grant were authorized pursuant to Section 1.62 of the Commission's rules 47 C.F. R. § 1.62.

This action is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.P.R. §0.261, and is effective immediately.

2. Contact

Name: Intelsat License LLC **Phone Number:** 703-559-6949
Company: **Fax Number:** 703-559-8539
Street: c/o Intelsat Corporation **E-Mail:** cynthia.grady@intelsat.com
7900 Tysons One Place
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?

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. CityCastle Rock

8. Latitude
(dd mm ss.s h) 39 16 37.0 N

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-PERM, 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, from January 8, 2016 through February 6, 2016, of Special Temporary of Special Temporary Authority previously granted Intelsat to use its Castle Rock, Colorado Ku-band earth station, call sign E030096, to provide telemetry, tracking, and command services for Intelsat 16 (S2750) during its drift from 76.2 W.L. to 58.1 W.L.

December 22, 2015

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 E030096

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests an additional 30 days—from January 8, 2016 through February 6, 2016—of Special Temporary Authority (“STA”)¹ previously granted Intelsat to use its Castle Rock, Colorado Ku-band earth station—call sign E030096—to provide telemetry, tracking, and command (“TT&C”) services for Intelsat 16 (S2750)² during its drift from 76.2° W.L. to 58.1° W.L.³ Due to an unexpected delay, Intelsat 16 is expected to begin drifting shortly. The drift is expected to take ten weeks.

TT&C operations will be performed in the following frequencies: 12198.25 MHz, 12198.75 MHz, 13997.5 MHz, and 14499.5 MHz. The drift operations will be coordinated with all operators of satellites that use the same frequency bands and are in the drift path.⁴ All operators of satellites in that path 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 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.

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-01808, File No. SES-STA-20151202-00908 (Dec. 16, 2015) (Public Notice); *Satellite Communications Services Information; Actions Taken*, Report No. SES-01798, File No. SES-STA-20151103-00811 (Nov. 12, 2015) (Public Notice).

³ See *Policy Branch Information; Actions Taken*, Report No. SAT-01114, File No. SAT-STA-20150925-00066 (Oct. 23, 2015) (Public Notice). See also *Policy Branch Information; Satellite Space Applications Accepted for Filing*, Report No. SAT-01113, File No. SAT-STA-20150925-00067 (Oct. 23, 2015) (Public Notice).

⁴ Intelsat will handle the coordination.

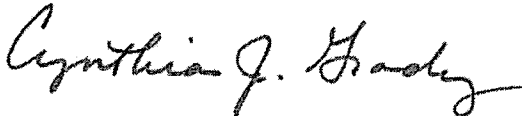
Ms. Marlene H. Dortch
December 22, 2015
Page 2

In further support of this STA further extension request, Intelsat incorporates by reference Exhibit A submitted with its original 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 drift the Intelsat 16 satellite to its new location. This, in turn, will help satisfy customer demand at 58.1° 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