

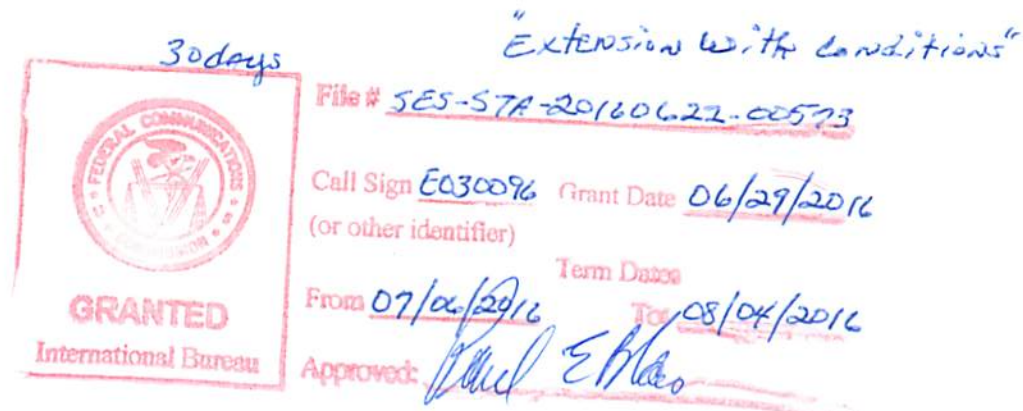
Approved by OMB
3060-0678

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
Request for 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 7900 Tysons One Place	E-Mail:	susan.crandall@intelsat.com
City:	McLean	State:	VA
Country:	USA	Zipcode:	22102 -5972
Attention:	Susan H. Crandall		



Application: Intelsat License, LLC
File No.: SES-STA-20160622-00573
Call Sign: E030096
Special Temporary Authority

Intelsat License, LLC is granted STA extension from SES-STA-20160503-00389, for 30 days, beginning July 6, 2016, to operate its fixed earth station in Castle Rock, Colorado, to provide telemetry, tracking, and command ("TT&C") functions to U.S. licensed Intelsat 31 satellite during in-orbit testing ("IOT") at 132° W.L. and drift of satellite to its final location of 95.05° W.L. The TT&C operations during IOT will be under the following conditions:

1. Intelsat will perform operations in the uplink frequencies (Earth-to-space): 13998.50 MHz and 14006.0 MHz (LHCP, H), and in the downlink frequencies (space-to-Earth): 11194.25 MHz, 11195.50 MHz, 11196.25 MHz and 11196.75 MHz (RHCP, V). The maximum EIRP shall not exceed 85 dBW per NTIA manual US 356.
2. Intelsat will coordinate the proposed IOT operations at IOT location 132° W.L. with operators of co-frequency satellites within six degrees. During the drift from 132° 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.
3. 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.
4. 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.
5. 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.
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 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.



File # SES-STA-20160622-00573

Call Sign E030096 Grant Date 06/29/2016
(or other identifier)

Term Dates
From 07/06/2016 To 08/04/2016

Approved: Paul E. Black

"Extension with conditions"



INTELSAT.

Envision. Connect. Transform.

June 22, 2016

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 E030096

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests an additional 30 days, beginning July 6, 2016, of the 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") services² to Intelsat 31 during in-orbit testing ("IOT") at 132.0° W.L.; and 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 IOT and drift are expected to last approximately three and two weeks, respectively.⁴

The proposed operations will be performed using the following frequencies: 13998.50 MHz and 14006.00 MHz in the uplink (LHCP, H); and 11194.25 MHz, 11195.50 MHz, 11196.25 MHz, and 11196.75 MHz in the downlink (RHCP, V). The proposed 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.⁵ The proposed 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-015751858, File No. SES-STA-20160503-00389 (June 8, 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 has a pending license modification application for E030096 to add Intelsat 31 as a point of communications at 95.05° W.L. See *Intelsat License Modification to License for Castle Rock, Colorado Earth Station, Call Sign E030096*, File No. SES-MFS-20160408-00326 (filed Apr. 8, 2016).

⁵ Intelsat will handle the coordination.

Ms. Marlene H. Dortch
June 22, 2016
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Ph.: (703) 559-7701 – East Coast Operations Center (primary)
(310) 525-5591 – West Coast Operations Center (back-up)

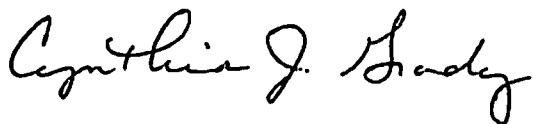
Request to speak with Harry Burnham or Kevin Bell.

In further support of this 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 extension request will allow Intelsat to help test, drift, and safely station-keep 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,

A handwritten signature in cursive script, reading "Cynthia J. Grady".

Cynthia J. Grady
Regulatory Counsel
Intelsat Corporation

cc: Paul Blais

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 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 37.0 N

9. State CO	10. Longitude (dd mm ss.s h) 104 48 24.0 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: 10px; margin: 10px 0;"> Intelsat License LLC herein requests an additional 30 days, beginning July 6, 2016, of the 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 to Intelsat 31 during in-orbit testing at 132.0 W.L; and during the drift of </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="checked" type="radio"/> Yes <input type="radio"/> No </div>	
14. Name of Person Signing Cynthia J. Grady	15. Title of Person Signing Regulatory General Counsel, Intelsat Corporation
<p style="text-align: center;"> 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 6, 2016, of the 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 to Intelsat 31 during in-orbit testing at 132.0 W.L; and during the drift of Intelsat 31 to and at its final location of 95.05 W.L.