

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 180-Day STA Using Castle Rock, Colorado Earth Station E030096 to Provide TT&C for Intelsat 16 On-Station at 76.2 W.L.

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		

"with conditions"

180 days

File # SES-STA-20180613-01097

Call Sign E030096 Grant Date 11/28/2018
(or other identifier)

Term Dates
From: 11/28/2018 To: 05/27/2019

Approved: [Signature]

GRANTED
International Bureau

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?			
☒ 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. 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.)				
Intelsat License LLC herein requests an additional 180 days 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) on-station at 76.2 W.L.				
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.				
14. Name of Person Signing Cynthia J. Grady		15. Title of Person Signing Regulatory General 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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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.

Applicant: Intelsat License LLC
Call Sign: E030096
File No.: SES-STA-20180613-01097

Intelsat License LLC ("Intelsat") is granted special temporary authority (STA) for 180 days, beginning November 28, 2018, to operate its Castle Rock, CO earth station with Intelsat 16 (S2750) satellite to provide telemetry, tracking, and control ("TI&C") communications on frequencies 13.9975 GHz, 14.4995 GHz (Earth-to-space) and 12.19825 GHz, 12.19875 GHz (space-to-Earth) during Intelsat 16's drift from 58.1° W.L. to 76.2° W.L. orbital location and on-station at 76.2° W.L. subject to the following conditions:

1. All operations under this grant of STA shall be on an unprotected and noninterference basis and Intelsat is obliged to comply with the applicable laws, regulations, rules, and licensing procedures of that country.
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 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. Intelsat will maintain full operational control with Intelsat 16 (S2750) at all times.
4. Intelsat will maintain Intelsat 16 (S2750) with an east-west longitudinal station-keeping tolerance of +/-0.05 degree at 76.2° W.L. orbital location.
5. In the event of any harmful interference as a result of operations under this grant of STA, Intelsat shall cease operations immediately upon notification of such interference and shall immediately inform the Commission, in writing, of such an event.
6. Intelsat must operate only the TT&C frequencies authorized for Intelsat 16 during the drift from 58.1° W.L. to 76.2° W.L. orbital location.
7. The operations of Intelsat 16 and associated earth stations must comport with the applicable uplink and downlink limits in 47 CFR §25.140(a)(3) of the Commission's rules, unless Intelsat coordinates any non-conforming operations with the operations of U.S.-licensed geostationary orbit space stations within 6 degrees of the 76.2° W.L. orbital location. Intelsat must also comport with the maximum power limits indicated in existing or future coordination agreements at 76.2° W.L. Non-conforming operations must also be coordinated with respect to those operations of non-U.S.-licensed space stations within 6 degrees of 76.2° W.L. involving approved communications with U.S.-licensed earth stations.
8. Any action taken or expense incurred as a result of operations pursuant to this STA is solely at Intelsat.
9. During drift operations, all transponders other than TI&C transponders will be turned off.
10. Pursuant to footnote US342 of the United States Table of Frequency Allocation, 47 CFR §

2.106, services operating in the 14.47-14.50 GHz band shall take all practicable steps to protect the radio astronomy service from harmful interference.

11. Grant of this authorization is without prejudice to any determination that the Commission may make regarding pending or future Intelsat applications.

12. Intelsat's request for waiver of 47 CFR § 25.120(a), which requires an STA request to be received by the Commission at least 3 working days prior to the date of proposed operation, is GRANTED, due to the exigent circumstances that are reflected in this STA request and in accordance with emergency procedures put in place to provide communications in areas affected by Hurricane Maria.

13. All operations must be within the relevant requested operational parameters in IBFS File No. SAT STA-20171016-00139.

14. Intelsat License LLC's operations during the period June 21, 2018 to the date of this grant were authorized pursuant to Section 1.62 of Commission's rules 47 C.F.R.

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

180 days *"With Conditions"*

 GRANTED International Bureau	File # <u>SES-STA-20180613-01097</u>
	Call Sign <u>E030096</u> Grant Date <u>11/28/2018</u> (or other identifier)
	Term Dates From: <u>11/28/2018</u> To: <u>05/27/2019</u>
	Approved: <u>Paul E. Black</u>



INTELSAT.

Envision. Connect. Transform.

June 13, 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 E030096

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests an additional 180 days 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") services² for Intelsat 16 (S2750) on-station at 76.2° W.L.³ Intelsat seeks this STA extension in order to continue assisting a customer in responding to the damage caused by Hurricane Maria to the communications networks in Puerto Rico.

Intelsat has a pending application to modify this antenna.⁴

TT&C operations will continue to be performed in the following frequencies: 12198.25 MHz, 12198.75 MHz, 13997.5 MHz, and 14499.5 MHz. The TT&C operations at 76.2° W.L. will continue to be consistent with Intelsat's coordination agreements for the nominal 76.2° W.L. orbital location. In the unlikely event that harmful interference occurs, Intelsat will take all necessary steps to eliminate the interference.

In further support of this extension request, Intelsat incorporates by reference Exhibit A submitted with its original 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

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 See *Satellite Communications Services Information; Actions Taken, Report No. SES-02017*, SES-STA-20171016-01168 (Dec. 13, 2017) (Public Notice).

³ See *Policy Branch Information; Actions Taken*, Public Notice, Report No. SAT-01278, File No. SAT-STA-20171016-00139 (Oct. 20, 2017); *Policy Branch Information; Actions Taken*, Public Notice, Report No. SAT-01287, File No. SAT-STA-20171016-00140 (Dec. 1, 2017).

⁴ See *Intelsat License LLC Modification of Castle Rock, Colorado Earth Station, Call Sign E030096, to Add Intelsat 16 (S2750) as a Point of Communication*, File No. SES-MOD-INTR2018-02444 (filed June 8, 2018).

Ms. Marlene H. Dortch
June 13, 2018
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transmissions to or from its earth station, Intelsat will take all reasonable steps to eliminate the interference.

Grant of this STA extension request will continue to allow Intelsat to continue assisting a customer in providing critical communication services in Puerto Rico. Accordingly, grant of this STA extension request is in the public interest.

For the reasons set forth herein, Intelsat respectfully requests that the Commission grant this extension request. Please direct any questions regarding this request to the undersigned at (703) 559-6949.

Respectfully submitted,

/s/ Cynthia J. Grady

Cynthia J. Grady
Regulatory Counsel
Intelsat Corporation

cc: Paul Blais