



APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:

Request for 30-Day STA Using Castle Rock, Colorado Earth Station E030096 to Provide TT&C for Intelsat 16 During Drift and On-Station at 76.2 W.L.

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 Corporation 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		



"With Conditions"

File # SES-STA-20171016-01169

Call Sign E030096 Grant Date 10/18/2017  
(or other identifier)

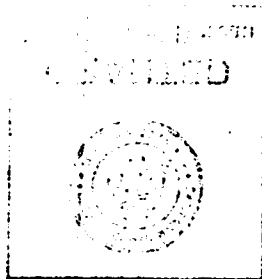
Term Dates  
From: 10/17/2017 To: 11/16/2017

Approved: Paul E. Baker

**Applicant: Intelsat License LLC**  
**Call Sign: E030096**  
**File No.: SES-STA-20171016-01169**

**Intelsat License LLC ("Intelsat") is granted special temporary authority (STA) for 30 days, beginning October 17, 2017, to operate its Castle Rock, CO earth station with Intelsat 16 (S2750) satellite to provide telemetry, tracking, and control ("TT&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 TT&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.**



Увблорсг: \_\_\_\_\_

From: \_\_\_\_\_ To: \_\_\_\_\_

From Date

(or other reference)

Call sign: \_\_\_\_\_ Call Date: \_\_\_\_\_

File # \_\_\_\_\_


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.

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.

*30 days*                      *"with conditions"*

 <b>GRANTED</b> International Bureau	File # <u>SAT-STA-20171016-01169</u>
	Call Sign <u>E030896</u> Grant Date <u>10/18/2017</u> (or other identifier)
	Term Dates From: <u>10/17/2017</u> To: <u>11/16/2017</u>
	Approved: <u><i>Paul E. [Signature]</i></u>



**INTELSAT.**

*Envision. Connect. Transform.*

October 16, 2017

Ms. Marlene H. Dortch  
Secretary  
Federal Communications Commission  
445 12th Street, S.W.  
Washington, D.C. 20554

**Re: Request for Special Temporary Authority  
Castle Rock, Colorado Earth Station E030096  
Expedited Treatment Requested**

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests a grant of Special Temporary Authority (“STA”)<sup>1</sup> for 30 days, commencing upon grant, 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) during its drift from 58.1° W.L to 76.2° W.L. and on-station at 76.2° W.L.<sup>2</sup> Intelsat seeks this STA in order to assist a customer in responding to the damage caused by Hurricane Maria to the communications networks in Puerto Rico. The drift is expected to take two weeks.

TT&C operations will be performed in the following frequencies: 12198.25 MHz, 12198.75 MHz, 13997.5 MHz, and 14499.5 MHz. Intelsat is concurrently filing a 180-day STA request for TT&C services at 76.2° W.L. The drift operations will be coordinated with all operators of satellites that use the same frequency bands and are in the drift path.<sup>3</sup> 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.

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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 *Intelsat License LLC Request for 30-Day STA to Drift and Operate Intelsat 16 at 76.2 W.L., Call Sign S2750*, File No. SAT-STA-20171016-00139 (filed Oct. 16, 2017).

<sup>3</sup> Intelsat will handle the coordination.

The proposed TT&C operations at 76.2° W.L. will 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 request, Intelsat herewith attaches Exhibit A, 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.

To the extent necessary, Intelsat requests a waiver of 47 C.F.R. § 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[s.]" The Commission may grant a waiver for good cause shown.<sup>4</sup> In granting a waiver, the Commission may take into account considerations of hardship, equity, or more effective implementation of overall policy on an individual basis.<sup>5</sup> Waiver is therefore appropriate if special circumstances warrant a deviation from the general rule, and such a deviation will serve the public interest.

Good cause exists to waive 47 C.F.R. § 25.120(a) because a natural disaster has decimated communications in Puerto Rico. In the weeks following Hurricane Maria, the island has been unable to overcome the damage caused to the communications networks and continues to desperately need basic communications. In order to reposition Intelsat 16 to 76.2° W.L. quickly, and given that the satellite drift will take two weeks, Intelsat seeks immediate authorization rather than filing a request 3 working days prior to the proposed drift and operations. Accordingly, "extraordinary reasons for the delay" justify waiver of the rule.

Grant of this STA request will allow Intelsat to expeditiously drift Intelsat 16 to a 76.2° W.L., where it will provide critical communication services in Puerto Rico. Accordingly, grant of this STA request is in the public interest.

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<sup>4</sup> 47 C.F.R. §1.3.

<sup>5</sup> *WAIT Radio v. FCC*, 418 F.2d 1153, 1159 (D.C. Cir. 1969); *N.E. Cellular Tel. Co. v. FCC*, 897 F.2d 1164, 1166 (D.C. Cir. 1990).

Ms. Marlene H. Dortch  
October 16, 2017  
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For the reasons set forth herein, Intelsat respectfully requests that the Commission grant this expedited STA 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



**2. Contact**

<b>Name:</b>	Cynthia J. Grady	<b>Phone Number:</b>	703-559-6949
<b>Company:</b>	Intelsat Corporation	<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?

- 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: Exhibit A                      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; margin: 10px 0;">Intelsat License LLC herein requests a grant of Special Temporary Authority for 30 days, commencing upon grant, 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 58.1 W.L to 76.2 W.L. and on-station at 76.2 W.L. Intelsat seeks</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. Sec 47 CFR 1.2002(b) for the meaning of &quot;party to the application&quot;; for these purposes. <input checked="" type="radio"/> Yes <input type="radio"/> No	
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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## 12. Description

Intelsat License LLC herein requests a grant of Special Temporary Authority for 30 days, commencing upon grant, 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 58.1 W.L to 76.2 W.L. and on-station at 76.2 W.L. Intelsat seeks this STA in order to assist a customer in responding to the damage caused by Hurricane Maria to the communications networks in Puerto Rico.