

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 30-Day STA Using Hagerstown, Maryland Earth Station E140121 to Provide TT&C for Intelsat 16 During Drift and 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      **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 20171109-01251  
 Call Sign E140121 Grant Date 12-8-17  
 (or other identifier)  
 Term Dates  
 From: 12-8-17 To: 1-7-18  
 Approved: [Signature]



Applicant: Intelsat License LLC  
Call Sign: E140121  
File No.: SES-STA-20171109-01251



File # SES-STA-20171109-01251  
E140121  
Call Sign E140121 Grant Date 12-8-17  
(or other identifier)  
Term Dates  
From: 12-8-17 To: 1-7-18  
Approved: Paul E. Hines

Intelsat License LLC ("Intelsat") is granted special temporary authority (STA) for 30 days, beginning December 8, 2017, to operate its Hagerstown, MD 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.

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. Operations during the period November 17, 2017 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 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.

<b>2. Contact</b>			
<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?			
<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/Hagerstown			
8. Latitude (dd mm ss.s h) 39 35 53.1 N			

9. State MD	10. Longitude (dd mm ss.s h) 77 45 22.3 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;">Intelsat License LLC herein requests an additional 30 days of Special Temporary of Special Temporary Authority previously granted Intelsat to use its Hagerstown, Maryland Ku-band earth station, call sign E140121, to provide telemetry, tracking, and command services for Intelsat 16 during its drift from 58.1 W.L to 76.2 W.L. and on-station at 76.2 W.L.</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. Yes <input checked="" type="radio"/> No <input type="radio"/>	
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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## **12. Description**

Intelsat License LLC herein requests an additional 30 days of Special Temporary of Special Temporary Authority previously granted Intelsat to use its Hagerstown, Maryland Ku-band earth station, call sign E140121, to provide telemetry, tracking, and command services for Intelsat 16 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 continue assisting a customer in responding to the damage caused by Hurricane Maria to the communications networks in Puerto Rico.



**INTELSAT**

*Envision. Connect. Transform.*

November 9, 2017

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  
Hagerstown, Maryland Earth Station E140121

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests an additional 30 days of Special Temporary of Special Temporary Authority (“STA”)<sup>1</sup> previously granted Intelsat to use its Hagerstown, Maryland Ku-band earth station—call sign E140121—to provide telemetry, tracking, and command (“TT&C”) services for Intelsat 16 (S2750)<sup>2</sup> during its drift from 58.1° W.L to 76.2° W.L. and on-station at 76.2° W.L.<sup>3</sup> Intelsat seeks this STA in order to continue assisting a customer in responding to the damage caused by Hurricane Maria to the communications networks in Puerto Rico. Intelsat arrived on-station at 76.2° W.L. on October 30, 2017.

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. Intelsat also has a pending 180-day STA request for TT&C services at 76.2° W.L.<sup>4</sup>

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

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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 *Satellite Communications Services Information; Actions Taken, Report No. SES-02003*, File No. SES-STA-20171016-01174 (Oct. 25, 2017) (Public Notice).

<sup>3</sup> See *Satellite Policy Branch Information; Actions Taken*, File No. SAT-STA-20171016-00139 (Oct. 20, 2017) (Public Notice). Intelsat also has a pending 180-day STA request to drift and operate Intelsat 16 at 76.2° W.L. See *Satellite Policy Branch Information; Space Station Applications Accepted for Filing*, Report No. SAT-01279, File No. SAT-STA-20171016-00140 (Oct. 27, 2017) (Public Notice).

<sup>4</sup> See *Satellite Communications Services; Satellite Radio Applications Accepted for Filing, Report No. SES-02002*, File No. SES-STA-20171016-01175 (Oct. 25, 2017) (Public Notice).



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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 to provide critical communication services in Puerto Rico from the 76.2° W.L. orbital location. 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 STA 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