

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:  
Further Extension STA Request Using Earth Station E140121 to Provide TT&C and IOT for Intelsat 31

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		

File # SES-STA-20160729-00701  
E140121  
Call Sign 8-5-16 Grant Date 8-5-16  
(or other identifier)  
Term Dates From: 8-6-16 To: 10-5-16  
Approved: [Signature]



Applicant: Intelsat License, LLC  
Call Sign: E140121  
File No.: SES-STA-20160729-00701  
Special Temporary Authority (STA)

Intelsat License LLC is granted an extension of STA, for 60 days to operate its Hagerstown, Maryland fixed earth station to continue providing telemetry, tracking, and command ("TT&C") services to U.S. licensed Intelsat 31 at its final orbital location 95.05° W.L. under the following conditions:

1. Intelsat will perform the operations in the uplink frequencies (Earth-to-space): 13998.50 MHz and 14006.0 MHz (LHCP, H) and 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. 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.
3. Operations at 95.05° W.L will be consistent with Intelsat's coordination agreement for the nominal 95.0° W.L orbital location.
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 E140121 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.



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E140121  
Call Sign \_\_\_\_\_ Grant Date 8-5-16  
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Term Dates  
From: 8-6-16 To: 10-5-16  
Approved: Paul E. Blakes

<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 60 days, beginning August 5, 2016, of the Special Temporary Authority previously granted Intelsat to use its Hagerstown, Maryland Ku-band earth station, call sign E140121, to provide continue providing telemetry, tracking, and command services to Intelsat 31 at 95.05 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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**INTELSAT**

*Envision. Connect. Transform.*

July 29, 2016

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  
Hagerstown, Maryland Earth Station E140121

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests an additional 60 days, beginning August 5, 2016, of the Special Temporary Authority (“STA”)<sup>1</sup> previously granted Intelsat to use its Hagerstown, Maryland Ku-band earth station—call sign E140121—to continue providing telemetry, tracking, and command (“TT&C”) services to Intelsat 31 at 95.05° W.L.<sup>2</sup> The IOT and drift of Intelsat 31 are complete and the satellite arrived on-station at 95.05° W.L. on July 26, 2016.<sup>3</sup>

The proposed operations will continue to 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 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.

In further support of this further 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

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<sup>1</sup> 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”).

<sup>2</sup> Intelsat’s previous STA requests also included TT&C during in-orbit testing (“IOT”) at 132.0° W.L and the drift to 95.05° W.L., which are now complete. *See Satellite Communications Services Information; Actions Taken*, Report No. SES-01864, File No. SES-STA-20160622-00568 (June 29, 2016) (Public Notice); *Satellite Communications Services Information; Actions Taken*, Report No. SES-015751858, File No. SES-STA-20160503-00391 (June 8, 2016) (Public Notice). Intelsat is seeking to modify the E140121 license to include TT&C communications with Intelsat 31. *See Application of Intelsat License LLC to Modify License*, File No. SES-MFS-20160620-00555 (filed June 20, 2016).

<sup>3</sup> *See Letter from Susan H. Crandall, Counsel for Intelsat Corporation, to Ms. Marlene H. Dortch, FCC, File No. SAT-LOA-20140410-00038 (July 26, 2016).*

Ms. Marlene H. Dortch  
July 29, 2016  
Page 2

-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 continue to safely station-keep the Intelsat 31 satellite. This, in turn, will provide additional capacity to customers 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". The signature is written in black ink and is positioned above the typed name and title.

Cynthia J. Grady  
Regulatory Counsel  
Intelsat Corporation

cc: Paul Blais