

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

<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		



File # SES-STA-20161129-00919  
 Call Sign E140121 Grant Date 12/7/2016  
 (or other identifier)  
 Term Dates  
 From: 12/7/2016 To: 2/5/2016  
 Approved: Susan H. Crandall

Applicant: Intelsat License, LLC  
Call Sign: E140121  
File No.: SES-STA-20161129-00919  
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 of 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.



File # SES-STA-20161129-00919  
Call Sign E140121 Grant Date 12/7/16  
(or other identifier)  
Term Dates 12/7/16 To: 2/5/17  
From: 12/7/16  
Approved: [Signature]

**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/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.) IntelSAT License LLC herein requests an additional 60 days of the Special Temporary Authority previously granted IntelSAT to use its Hagerstown, Maryland Ku-band earth station, call sign E140121, to continue providing telemetry, tracking, and command services to IntelSAT 31 at 95.05 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. <input checked="" type="radio"/> Yes <input type="radio"/> No	
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).	

## **FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT**

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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.**

November 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 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> IntelSat is seeking to modify the E140121 license to include TT&C communications with IntelSat 31.<sup>4</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

<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> 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 e.g. *IntelSat License LLC Request for Further Extension of Special Temporary Authority*, File No. SES-STA-20160927-00809 (stamp grant issued Oct. 4, 2016 by Paul Blais).

<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).

<sup>4</sup> See *Satellite Communications Services; Satellite Radio Applications Accepted for Filing*, Report No. SES-01894, File Nos. SES-MOD-20160620-00555 and SES-AMD-20160927-00803 (Oct. 12, 2016) (Public Notice).

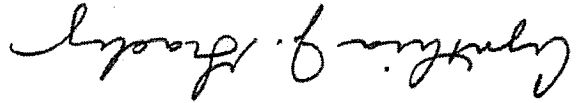
Ms. Marlene H. Dortch  
November 29, 2016  
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interference into any lawfully operating terrestrial facility, or into Federal systems operating in the 13.75-14.00 GHz band. In the extremely unlikely event that harmful interference should occur due to transmissions to or from its earth station, Intelsat will take all reasonable steps to eliminate the interference.

Grant of this STA 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,



Cynthia J. Grady  
Regulatory Counsel  
Intelsat Corporation

cc: Paul Blais