

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 STA To Continue Using Hagerstown, Maryland C-band earth station, Call sign E030100, to Provide TT&C Services During LEOP, IOT, and Drift for Intelsat 37e

**I. 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-20170926-01061  
Call Sign E030100 Grant Date 9-28-17  
(or other identifier)

Term Dates  
From: 10-1-17 To: 10-31-17

Approved: Susan H. Crandall  
Deputy Chief, Satellite Division

Applicant: Intelsat License LLC  
Call Sign: E030100  
File No.: SES-STA-20170926-01061  
Special Temporary Authority (STA)



File # SES-STA-20170926-01061  
E030100  
Call Sign (or other identifier) E030100 Grant Date 9-28-17  
Term Dates  
From: 10-1-17 To: 10-31-17  
Approved: Jerry Murray  
Deputy Chief, Satellite A/C

Intelsat License LLC is granted extension of STA, for 30 days, commencing October 1, 2017, to operate its fixed earth station at 39° 35' 59.6" N.L./077° 45' 21.4" W.L. in Hagerstown, Maryland to provide launch and early orbit phase ("LEOP") services for satellite Intelsat 37e; telemetry, tracking, and command ("TT&C") functions during in-orbit testing ("IOT") at 17.5° W.L.; and TT&C functions during the drift of satellite Intelsat 37e to its final orbital location of 18° W.L. All operations will be in the 6421.5-6425.0 MHz, and 5850.0-5853.5 MHz (LHCP/ V) (Earth-to-space) frequency bands and on the following center frequencies: 4197.75 MHz, 4189.25 MHz, 4198.75 MHz, and 4199.25 MHz (LHCP/H) (space-to-Earth). All operations are authorized under the following conditions:

1. Operations will not exceed the operation power levels and parameters requested and coordinated.
2. Intelsat will coordinate the proposed IOT operations at IOT location 17.5° W.L. with operators of co-frequency satellites within six degrees. During the drift from 17.5° W.L. to the satellite's permanent orbital location 18° W.L., Intelsat will coordinate with operators of co-frequency satellites in the drift path.
3. The LEOP operations must be coordinated with all operators of satellites that use the same frequency bands and are in the LEOP path. 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. Currently the 24x7 contact information for the Intelsat 37e 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.
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 E000296 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.

<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 59.6 N			

9. State	MD	10. Longitude (dd mm ss.s h)	77 45 21.4 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.)			
<p style="border: 1px solid black; padding: 5px;">Intelsat License LLC herein requests an additional 30 days of Special Temporary Authority previously granted Intelsat to use its Hagerstown, Maryland C-band earth station, call sign E030100, to provide launch and early orbit phase services for Intelsat 37e; and, to the extent necessary, telemetry, tracking, and command during in-orbit testing at 17.5 W.</p>			
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 Counsel, Intelsat Corporation
<p style="text-align: center;">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).</p>			

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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.**

## **12. Description**

Intelsat License LLC herein requests an additional 30 days of Special Temporary Authority previously granted Intelsat to use its Hagerstown, Maryland C-band earth station, call sign E030100, to provide launch and early orbit phase services for Intelsat 37e; and, to the extent necessary, telemetry, tracking, and command during in-orbit testing at 17.5 W.L. and TT&C during the drift of Intelsat 37e to its final location of 18.0 W.L. Intelsat 37e is now expected to be launched on September 29, 2017.



INTELSAT.

Envision. Connect. Transform.

September 26, 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 E030100

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests an additional 30 days of Special Temporary Authority (“STA”)<sup>1</sup> previously granted Intelsat to use its Hagerstown, Maryland C-band earth station—call sign E030100—to provide launch and early orbit phase (“LEOP”) services for Intelsat 37e; and, to the extent necessary, telemetry, tracking, and command (“TT&C”) during in-orbit testing (“IOT”) at 17.5° W.L. and TT&C during the drift of Intelsat 37e to its final location of 18.0° W.L.<sup>2</sup> Intelsat 37e is now expected to be launched on September 29, 2017.<sup>3</sup> The LEOP, IOT, and drift are expected to last approximately 70 days.

The proposed operations will be performed using the following frequencies and frequency bands: 6421.5-6425.0 MHz, and 5850.0-5853.5 in the uplink (LHCP/V); and 4197.75 MHz, 4198.25 MHz, 4198.75 MHz, and 4199.25 MHz in the downlink (LHCP/H). The proposed operations will be coordinated with all operators of satellites that use the same frequency bands and are in the LEOP path, the drift path, or are potentially affected by these operations at the IOT location.<sup>4</sup> 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.

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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-01985, File No. SES-STA-20170804-00875 (Aug. 23, 2017) (Public Notice).

<sup>3</sup> The permanent orbital location for Intelsat 37e will be at 18.0° W.L. See *Policy Branch Information; Actions Taken*, Report No. SAT-01243, File No. SAT-LOA-20160915-00089 (June 9, 2017) (Public Notice).

<sup>4</sup> Intelsat will handle the coordination.



Ms. Marlene H. Dortch  
September 26, 2017  
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The 24x7 contact information for the Intelsat 37e 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.

In further support of this 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. 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 help launch and test the Intelsat 37e satellite. This, in turn, will help provide additional capacity to customers at the 18.0° W.L. orbital location and thereby promotes the public interest.

Please direct any questions regarding this STA extension request to the undersigned at (703) 559-6949.

Respectfully submitted,



Cynthia J. Grady  
Regulatory Counsel  
Intelsat Corporation

cc: Paul Blais