

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:  
Request for STA Using Hagerstown, Maryland Earth Station E140121 to Provide LEOP Services for the SES-15 Satellite

I. 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		



"with conditions"

File # SES-STA-20170213-00158

Call Sign E140121 Grant Date 04/18/2017  
(or other identifier)

Term Dates  
From 04/18/2017 To 10/15/2017

Approved: Paul E. Blair

Applicant: Intelsat License LLC  
Call Sign: E140121  
File No.: SES-STA-20170213-00158

Intelsat License LLC ("Intelsat") is granted special temporary authority, for 180 days, beginning April 18, 2017 to operate its Hagerstown, MD fixed earth station to provide launch and early orbit phase (LEOP) services for SES-15 satellite, in the 13999.0 MHz, 14001.0 MHz, 14499.0 MHz, and 14501.0 MHz (Earth-to-space) and 10700.5 MHz and 12199.5 MHz (space-to-Earth) frequencies licensed by the Luxemburg administration, as it drifts to its permanent 129° W.L. orbital location under the following conditions:

1. The maximum EIRP shall not exceed 85 dBW per NTIA manual US 356.
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 the SES-15 LEOP mission is as follows: 24/7 point of contact is Ph.: (703) 559-7701 –East Coast Operations Center (primary) and (310) 525-5591-West Coast Operations Center (back-up).
3. Operations, shall not cause harmful interference to or claim protection from other lawfully operating stations and it shall cease transmission(s) immediately upon notice of such interference.
4. In the event of any harmful interference under this grant of STA, Intelsat must cease operations immediately upon notification of such interference, and must inform the Commission, in writing, immediately of such an event.
5. Grant of this authorization is without prejudice to any determination that the Commission may make regarding pending or future Intelsat applications.
6. Any action taken or expense incurred as a result of operations pursuant to this STA is solely 'at Intelsat's risk.
7. Operations in the 13.75-14.00 GHz band may only exceed 85 dBW/carrier if an emergency situation exists and the applicant must notify FCC OperationCenter@fcc.gov of the situation with a copy to paul.blais@fcc.gov.
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.


*180 days* *"With conditions"*

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Approved: *Paul E. Hlavac*





**INTELSAT.**

*Envision. Connect. Transform.*

February 10, 2017

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

Re: Request for Special Temporary Authority  
Hagerstown, Maryland Earth Station E140121

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests a grant of Special Temporary Authority (“STA”)<sup>1</sup> for 180 days, commencing April 4, 2017, to use its Hagerstown, Maryland Ku-band earth station—call sign E140121—to provide launch and early orbit phase (“LEOP”) services for the SES-15 satellite. SES-15 is expected to be launched on April 4, 2017.<sup>2</sup> Intelsat expects the LEOP period to last approximately 180 days.<sup>3</sup>

The SES-15 LEOP operations will be performed at the following frequencies: 13999.0 MHz, 14001.0 MHz, 14499.0 MHz, and 14501.0 MHz (V, H, or LHCP) in the uplink; and 10700.5 MHz and 12199.5 MHz (V, H, or LHCP) in the downlink. The LEOP operations will be coordinated with all operators of satellites that use the same frequency bands and are in the LEOP path.<sup>4</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 for the SES-15 LEOP 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 herewith attaches Exhibits A and B, which contain a 13 GHz report and a waiver request. In the extremely unlikely event that harmful interference should occur due

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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> The in-orbit testing location for SES-15, which Intelsat understands is licensed by Luxemburg, will be at 136° W.L. The final location of SES-15 will be at 129° W.L.

<sup>3</sup> Intelsat is seeking authority for 180 days to accommodate the longer orbit-raising time period required for an electric propulsion satellite.

<sup>4</sup> Boeing, the manager of the SES-15 LEOP mission, will handle the coordination.

Ms. Marlene H. Dortch  
February 10, 2017  
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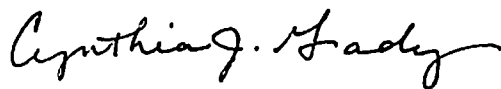
to transmissions to or from its earth station, Intelsat will take all reasonable steps to eliminate the interference.

Finally, Intelsat clarifies that during the SES-15 LEOP mission, Boeing will serve as the mission manager. Boeing will build and send the commands to the Intelsat antenna, which will process and execute the commands. Telemetry received by Intelsat will be forwarded to Boeing. Intelsat will perform the ranging sessions by sending a tone to the spacecraft periodically. Intelsat will remain in control of the baseband unit, RF equipment, and antenna.

Grant of this STA request will allow Intelsat to help launch the SES-15 satellite. This, in turn, will help provide additional capacity from the 129° 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

**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 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: Exhibit A                      Attachment 3: Exhibit B	
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 180 days, commencing April 4, 2017, to use its Hagerstown, Maryland Ku-band earth station, call sign E140121, to provide launch and early orbit phase services for the SES-15 satellite. SES-15 is expected to be launched on April 4, 2017. </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. <div style="text-align: right;"> <input checked="" type="radio"/> Yes                      <input type="radio"/> No </div>	
14. Name of Person Signing Cynthia J. Grady	15. Title of Person Signing Regulatory Counsel, Intelsat Corporation
<b>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).</b>	

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