

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 KA258 for Intelsat 31 LEOP, IOT, and TT&C

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		



with conditions

File # SES-STA-20160503-00388

Call Sign KA258 Grant Date 05/24/2016  
(or other identifier)

Term Dates  
From 05/28/2016 To: 06/26/2016

Approved: Paul E. Black

Applicant: Intelsat License, LLC  
File No: SES-STA-20160503-00388  
Call Sign: KA258  
Special Temporary Authority



File # SES-STA-2016 0503-00388

Call Sign KA258 Grant Date 05/24/2016  
(or other identifier)

Term Dates  
From 05/28/2016 To 06/26/2016

Approved: Paul E. Blais

Intelsat License, LLC is granted a special temporary authority, under the following conditions, for 30 days, commencing May 28, 2016, to use its Hagerstown, Maryland Ku-band earth station-call sign KA258, to provide launch and early orbit phase ("LEOP") services for Intelsat 31 satellite. Also to provide telemetry, tracking, and command ("TT&C") services at the in-orbit testing ("IOT") location at 132.0° W.L. and during the drift of Intelsat 31 to and at its final location of 95.05° W.L. Intelsat 31 satellite is expected to be launched no earlier than May 28, 2016.

1. Uplink (Earth-to-space) frequencies will be on 13998.50 MHz and 14006.00 MHz (LHCP, H) within the coordinated emission and power limits. The maximum EIRP shall not exceed 85 dBW per NTIA manual US 356.
2. Downlink (space-to-Earth) frequencies will be on 11194.25 MHz, 11195.50 MHz, 11196.25 MHz and 11196.75 MHz (RHCP, V).
3. During the drift from 132.0° W.L. to the satellite's permanent orbital location 95.05° W.L., Intelsat will coordinate with operators of co-frequency satellites in the drift path.
4. 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 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.
5. All operations under this grant of STA shall be on an unprotected and non-harmful interference basis. Intelsat's, KA258, shall not cause harmful interference to, and shall not claim protection from interference caused to it by, any other lawfully operating radio communication system.
6. Operations in the 13.75-14.0 GHz band may only exceed 85 dBW/carrier if an emergency situation exists and the applicant must notify FCCOperationCenter@fcc.gov of the situation with a copy to [paul.blais@fcc.gov](mailto:paul.blais@fcc.gov).
7. In the event of any harmful interference under this grant of STA, Intelsat License LLC, KA258, must cease operations immediately upon notification of such interference and must inform the Commission, in writing, immediately of such an event.
8. Grant of this authorization is without prejudice to any determination that the Commission may make regarding pending or future Intelsat License LLC applications.
9. Any action taken or expense incurred as a result of operations pursuant to this STA is solely at Intelsat License LLC's risk.
10. 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.

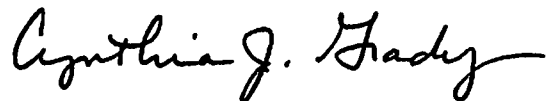
Ms. Marlene H. Dortch  
May 3, 2016  
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electromagnetic environment and will not cause harmful interference into any lawfully operating terrestrial facility, or into Federal systems operating in the 13.75 -14.00 GHz band. In the extremely unlikely event 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 request will allow Intelsat to help launch and test the Intelsat 31 satellite. This, in turn, will help ensure continuity of service 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 black ink, reading "Cynthia J. Grady". The signature is written in a cursive style with a long, sweeping tail on the "y".

Cynthia J. Grady  
Regulatory Counsel  
Intelsat Corporation

cc: Paul Blais

May 3, 2016

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 KA258

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests a grant of Special Temporary Authority (“STA”)<sup>1</sup> for 30 days, commencing May 28, 2016, to use its Hagerstown, Maryland Ku-band earth station—call sign KA258—to provide launch and early orbit phase (“LEOP”) services for Intelsat 31; telemetry, tracking, and command (“TT&C”) during in-orbit testing (“IOT”) at 132.0° W.L.; and TT&C during the drift of Intelsat 31 to its final location of 95.05° W.L.<sup>2</sup> Intelsat 31 is expected to be launched on May 28, 2016. The LEOP period is expected to last approximately 15 days; IOT and drift are expected to last approximately three and two weeks, respectively.

The proposed operations will be performed using the following frequencies: 13998.50 MHz, and 14006.0 MHz in the uplink (LHCP, H); and 11194.25 MHz, 11195.5 MHz, 11196.25 MHz, and 11196.75 MHz in the downlink (RHCP, V). 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. 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.

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.

In further support of this request, Intelsat hereby attaches Exhibit A, which contains technical information that demonstrates that the operation of the earth station will be compatible with its

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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> See *Policy Branch Information; Actions Taken*, Report No. SAT-01052, File No. SAT-LOA-20140410-00038 (November 7, 2014) (Public Notice). At 95.05° W.L., Intelsat 31 will be co-located with Intelsat 30 (S2887) and Galaxy 3C (S2381).

**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 54.0 N

9. State MD	10. Longitude (dd mm ss.s h) 77 45 33.0 W
11. Please supply any need attachments. Attachment 1: STA Request                      Attachment 2: Exhibit A                      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; margin: 10px 0;">           Intelsat License LLC herein requests a grant of Special Temporary Authority for 30 days, commencing May 28, 2016, to use its Hagerstown, Maryland Ku-band earth station, call sign KA258, to provide launch and early orbit phase services for Intelsat 31; telemetry, tracking, and command during in-orbit testing at 132.0 W.L; and TT&amp;C during the drift of         </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. <span style="float: right;"> <input checked="" type="radio"/> Yes      <input type="radio"/> No         </span>	
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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## **12. Description**

Intelsat License LLC herein requests a grant of Special Temporary Authority for 30 days, commencing May 28, 2016, to use its Hagerstown, Maryland Ku-band earth station, call sign KA258, to provide launch and early orbit phase services for Intelsat 31; telemetry, tracking, and command during in-orbit testing at 132.0 W.L; and TT&C during the drift of Intelsat 31 to and at its final location of 95.05 W.L. Intelsat 31 is expected to be launched on May 28, 2016.