

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:  
Request for Further Extension of 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		



*"Extension with conditions"*

**File #** SES-STA-20160713-00657

**Call Sign** KA258 **Grant Date** 07/25/2016  
(or other identifier)

**From** 07/27/2016 **Term Dates** 08/25/2016  
**To** 08/25/2016

**Approved:** *[Signature]*

Applicant: Intelsat License, LLC  
File No: SES-STA-20160713-00657  
Call Sign: KA258  
Special Temporary Authority



File # SES-STA-2016 0713-00657  
Call Sign KA258 Grant Date 07/25/2016  
(or other identifier)  
From 07/27/2016 Term Dates 08/25/2016  
Approved: Paul E. Blais

Intelsat License, LLC is granted a STA extension from SES-STA-20160503-00388, for 30 days, commencing July 27, 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., under the following conditions:

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](mailto: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.

July 13, 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 KA258

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests an additional 30 days, beginning July 27, 2016, of the Special Temporary Authority (“STA”)<sup>1</sup> previously granted Intelsat to use its Hagerstown, Maryland Ku-band earth station—call sign KA258—to provide launch and early orbit phase (“LEOP”) services<sup>2</sup> 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>3</sup> Intelsat 31 was launched on June 9, 2016. The LEOP period is completed; IOT and drift are expected to last approximately three and two weeks, respectively.

The Intelsat 31 operations will continue to 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 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> The 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.

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)

---

<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 *Satellite Communications Services Information; Actions Taken*, Report No. SES-01864, File No. SES-20160622-00567 (June 29, 2016) (Public Notice); *Satellite Communications Services Information; Actions Taken*, Report No. SES-015751856, File No. SES-STA-20160503-00388 (June 1, 2016) (Public Notice).

<sup>3</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).

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

Ms. Marlene H. Dortch  
July 13, 2016  
Page 2

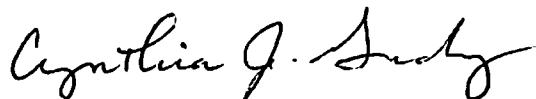
Request to speak with Harry Burnham or Kevin Bell.

In further support of this further extension request, 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 -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 safely complete the testing and drift of 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,



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 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:                      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 an additional 30 days, beginning July 27, 2016, of the Special Temporary Authority previously granted IntelSAT 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 </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. <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
<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>	

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

The public reporting for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the required data, and completing and reviewing the collection of information. If you have any comments on this burden estimate, or how we can improve the collection and reduce the burden it causes you, please write to the Federal Communications Commission, AMD-PER, Paperwork Reduction Project (3060-0678), Washington, DC 20554. We will also accept your comments regarding the Paperwork Reduction Act aspects of this collection via the Internet if you send them to PRA@fcc.gov. PLEASE DO NOT SEND COMPLETED FORMS TO THIS ADDRESS.

Remember – You are not required to respond to a collection of information sponsored by the Federal government, and the government may not conduct or sponsor this collection, unless it displays a currently valid OMB control number or if we fail to provide you with this notice. This collection has been assigned an OMB control number of 3060-0678.

**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, beginning July 27, 2016, of the Special Temporary Authority previously granted Intelsat 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 its final location of 95.05 W.L.