

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:  
Request for 30-Day STA Extension Using Hagerstown, MD Earth Station KA275 for Eutelsat-117WB LEOP

**1. Applicant**

**Name:** Intelsat License LLC **Phone Number:** 703-559-7848  
**DBA Name:** **Fax Number:** 703-559-8539  
**Street:** c/o Intelsat Corporation **E-Mail:** susan.crandall@intelsat.com  
7900 Tysons One Place  
**City:** McLean **State:** VA  
**Country:** USA **Zipcode:** 22102 -5972  
**Attention:** Susan H. Crandall



File # SES-STA-20161115-00888  
APR 25 Call Sign Grant Date 11-22-16  
(or other identifier)  
Term Dates  
From: 11-22-16 To: 11-22-16  
Approved: [Signature]

Application: Intelsat License LLC  
File No.: SES-STA-20161115-00888  
Call Sign: KA275  
Special Temporary Authority



File # SES-STA-20161115-00888  
KA275  
Call Sign KA275 Grant Date 11/22/16  
(or other identifier)  
Term Dates  
From: 11/26/16 To: 12/26/16  
Approved: [Signature]

Intelsat License LLC is granted a special temporary authority, extension from SES-STA-20160325-00285, for 30 days, beginning November 26, 2016, to operate its C-band earth station, call sign KA275, in Hagerstown, Maryland, to provide launch and early orbit phase ("LEOP") services for the Eutelsat-117WB (a.k.a. Satmex-9) satellite at permanent orbital location 117° W.L., licensed by Mexico, under the following conditions:

1. Uplink (Earth-to-space) frequencies will be on 6421.30 MHz, and 6423.30 MHz (LHCP) within the coordinated emission and power limits.
2. Downlink (space-to-Earth) frequencies will be on 4198.20 MHz, and 4199.80 MHz (LHCP).
3. 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 Eutelsat-117WB satellite 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. All operations under this grant of STA shall be on an unprotected and non-harmful interference basis. Intelsat's KA275 shall not cause harmful interference to, and shall not claim protection from interference caused to it by, any other lawfully operating radio communication system.
5. In the event of any harmful interference under this grant of STA, Intelsat License, LLC KA275 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 55.0 N	

9. State MD	10. Longitude (dd mm ss.s h) 77 45 35.0 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.) 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 KA275, to provide launch and early orbit phase services for the Eutelsat-117WB (a.k. a. Satmex-9) satellite. Eutelsat-117WB was launched on June 15, 2016.	
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"; 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.**



**INTELSAT.**

*Envision. Connect. Transform.*

November 15, 2016

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 KA275

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 KA275—to provide launch and early orbit phase (“LEOP”) services for the Eutelsat-117WB (a.k.a. Satmex-9) satellite.<sup>2</sup> Eutelsat-117WB was launched on June 15, 2016.<sup>3</sup> The LEOP period is expected to last approximately 205 days.<sup>4</sup>

The Eutelsat-117WB LEOP operations will continue to be performed in the following frequency bands: 6421.30 MHz and 6423.30 MHz in the uplink (LHCP), and 4198.2 MHz and 4199.8 MHz in the downlink (LHCP). The LEOP operations are being coordinated with all operators of satellites that use the same frequency bands and are in the LEOP path.<sup>5</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 Eutelsat-117WB LEOP mission is as follows:

Ph.: (703) 559-7701 – East Coast Operations Center (primary)  
(310) 525-5591 – West Coast Operations Center (back-up)

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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-01856, File No. SES-STA-20160325-00285 (June 1, 2016) (Public Notice).

<sup>3</sup> The permanent orbital location and the in-orbit testing location for Eutelsat-117WB will be 117° W.L. Intelsat incorporates by reference Exhibit C, a letter regarding the satellite’s registration under the Convention on Registration of Objects Launched in Outer Space.

<sup>4</sup> Intelsat is seeking an additional 30 days to accommodate the longer orbit-raising time period required for an electric propulsion satellite.

<sup>5</sup> Intelsat will handle the coordination.

Ms. Marlene H. Dortch  
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Request to speak with Harry Burnham or Kevin Bell.

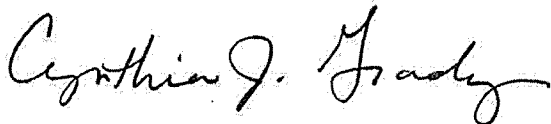
In further support of this extension request, Intelsat incorporates by reference Exhibits A and B, which contain technical information that demonstrates that the operation of the earth station will be compatible with its electromagnetic environment and will not cause harmful interference into any lawfully operating terrestrial facility, as well as a waiver request. Intelsat also notes that for purposes of the Eutelsat-117WB LEOP mission, it is seeking to operate in the frequencies listed in the request at power levels not to exceed 26 dBW, except in case of emergency. 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.

Finally, Intelsat clarifies that during the Eutelsat-117WB 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 extension request will allow Intelsat to help launch the Eutelsat-117WB satellite. This, in turn, will result in the provision of video and data applications in Mexico, Latin America and the Caribbean from the 117° 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