

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 Further STA Extension Using Hagerstown, MD Earth Station E000296 for Eutelsat-117WB LEOP

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-20161215-00958

Call Sign E000296 Grant Date 12/28/2016  
(or other identifier)

Term Dates  
From 12/28/2016 To 01/26/2017

Approved: Deanna M. Lott

Application: Intelsat License LLC  
File No.: SES-STA-20161215-00958  
Call Sign: E000296  
Special Temporary Authority



File # SES-STA-2016 1215-00958

Call Sign E000296 Grant Date 12/28/2016  
(or other identifier)

Term Dates  
From 12/28/2016 To 01/26/2017

Approved: Gleason Mc Lott

Intelsat License LLC is granted a special temporary authority, extension from SES-STA-20161115-00890, for 30 days, beginning December 28, 2016, to operate its C-band earth station, Call Sign E000296, 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 E000296 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 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. 5. Operations during the period December 25, 2016 to the date of this grant were authorized pursuant to Section 1.62 of the Commission's rules 47 C.F. R. § 1.62.
9. 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.



**INTELSAT.**

*Envision. Connect. Transform.*

December 15, 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 E000296

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 E000296—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-01908, File No. SES-STA-20161115-00890 (Nov. 30, 2016) (Public Notice); *Satellite Communications Services Information; Actions Taken*, Report No. SES-01856, File No. SES-STA-20160325-00278 (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 further extension request, Intelsat incorporates by reference Exhibits A and submitted with its original STA request, 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 continue to 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 further 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,

*/s/ Cynthia J. Grady*

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 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.) <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> 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 E000296, to provide launch and early orbit phase services for the Eutelsat-117WB (a. k.a. Satmex-9) satellite. </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>	



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