

KL92 SES-STA-20091230-01637 IB2009008270  
PanAmSat Licensee Corp.

Approved by OMB  
3060-0678

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:  
STA for Earth Station KL92 to Provide LEOP Services for the Intelsat 16 Satellite Launch

1. Applicant

**Name:** PanAmSat Licensee Corp. **Phone Number:** 202-944-7848  
**DBA Name:** **Fax Number:** 202-944-7870  
**Street:** c/o Intelsat Corporation **E-Mail:** susan.crandall@intelsat.com  
3400 International Drive, N.W.  
**City:** Washington **State:** DC  
**Country:** USA **Zipcode:** 20008 -3006  
**Attention:** Susan H Crandall

*With Conditions*

File # SES-STA-20091230-0163

Call Sign KL92 Grant Date 2/11/10  
(or other identifier)

Term Dates  
From 2/11/10 To 2/20/10

Approved: *[Signature]*

*Chief, Satellite Engg. Br.*



Attachment

SES-STA-20091230-01637

KL92

Conditions:

All operations are on a non-protected, non-interference basis.

PanAmSat shall coordinate its operations with neighboring satellites with  $\pm 6$  degrees of its orbital location.

PanAmSat shall immediately cease operations if interference is reported.



File # SES-STA-20091230-01637

Call Sign KL92 Grant Date 2/11/10  
(or other identifier)

Term Dates  
From 2/11/10 To: 2/20/10

Approved: [Signature]

Chief Satellite Engrs. Br.

<b>2. Contact</b>	
<b>Name:</b>	PanAmSat Licensee Corp. <b>Phone Number:</b> 202-944-7848
<b>Company:</b>	<b>Fax Number:</b> 202-944-7870
<b>Street:</b>	<b>E-Mail:</b> susan.crandall@intelsat.com
c/o Intelsat Corporation	
3400 International Drive, N.W.	
<b>City:</b> Washington	<b>State:</b> DC
<b>Country:</b> USA	<b>Zipcode:</b> 20008 -3006
<b>Attention:</b> Susan H. Crandall	<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 Castle Rock	
8. Latitude (dd mm ss.s h) 39 16 38.0 N	



9. State CO	10. Longitude (dd mm ss.s h) 104 48 25.0 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.) PanAmsat Licensee Corp. herein requests a grant of Special Temporary Authority for 30 days, from February 4, 2010 through March 5, 2010 to use its Castle Rock, Colorado Ku-band earth station, call sign KL92, to provide LEOP services for the Intelsat 16 satellite that is expected to be launched on February 4, 2010. The LEOP period is expected to last	
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 &quot;party to the application&quot;; for these purposes.  Yes <input checked="" type="radio"/> No <input type="radio"/>	
14. Name of Person Signing Susan H. Crandall	15. Title of Person Signing Asst. General 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).	

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## **12. Description**

PanAmSat Licensee Corp. herein requests a grant of Special Temporary Authority for 30 days, from February 4, 2010 through March 5, 2010 to use its Castle Rock, Colorado Ku-band earth station, call sign KL92, to provide LEOP services for the Intelsat 16 satellite that is expected to be launched on February 4, 2010. The LEOP period is expected to last approximately ten days.



December 30, 2009

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



Re: Request for Special Temporary Authority  
Castle Rock, Colorado Earth Station KL92

Dear Ms. Dortch:

PanAmSat Licensee Corp. ("PanAmSat") herein requests a grant of Special Temporary Authority ("STA")<sup>1</sup> for 30 days, from February 4, 2010 through March 5, 2010, to use its Castle Rock, Colorado Ku-band earth station -- call sign KL92 -- to provide launch and early orbit phase ("LEOP") services for the Intelsat 16 satellite that is expected to be launched on February 4, 2010.<sup>2</sup> The LEOP period is expected to last approximately ten days.<sup>3</sup>

The Intelsat 16 LEOP operations will be performed in the following frequency bands: 13997.5 MHz and 14499.5 MHz in the uplink (LHCP), and 12198.25 MHz and 12198.75 MHz in the downlink (RHCP). The maximum uplink EIRP transmitted during the LEOP operations will be 85 dBW. The LEOP operations will be coordinated with all operators of satellites that use the same frequency bands and are in the LEOP path. 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 Intelsat 16 LEOP mission is as follows:

Harry Burnham or Mike Munion  
Ph.: (202) 944-7701

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<sup>1</sup> PanAmSat has filed its STA request, an FCC Form 159, a \$175.00 filing fee and this supporting letter electronically via the International Bureau's Filing System ("IBFS").

<sup>2</sup> The permanent orbital location of the Intelsat 16 satellite will be 58.1° W.L. *Policy Branch Information; Actions Taken*, Report No. SAT-00610, File No. SAT-LOA-20080416-00085 (June 5, 2009) (Public Notice).

<sup>3</sup> PanAmSat is seeking authority through March 5, 2010 to accommodate a possible launch delay.

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The particulars of the proposed Intelsat 16 LEOP operations will be in conformance with the KL92 license parameters, as reflected in Section B of the license.<sup>4</sup> The points of communications listed in the license do not include communications with a satellite in non-geostationary orbit, as will be the case during the proposed LEOP operations. As such, PanAmSat is providing information below to address interference potential with respect to lawfully operating, co-frequency radiocommunication facilities.

Specifically, operations in the frequencies 14499.5 MHz, 12198.25 MHz, and 12198.75 MHz will not create potential interference into terrestrial services, as these frequencies are not shared with terrestrial services in the area of proposed operations. Similarly, operations in the 13997.5 MHz frequency will not create interference potential into TDRSS forward links and the space research services because there is no frequency overlap.<sup>5</sup> Additionally, the proposed operations in this frequency fully conform to the requirements of US356, with a transmitted EIRP per carrier of 85 dBW.

The above information, as well as the technical information currently on file with the Commission, including relevant analysis of compliance with FCC Report & Order 96-377 regarding the 13.75-14.0 GHz band, 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 or government facility.<sup>6</sup> In the extremely unlikely event that harmful interference should occur due to transmissions to or from its earth station, PanAmSat will take all reasonable steps to eliminate the interference.

Grant of this STA request will allow PanAmSat to help launch the Intelsat 16 satellite to the 58.1° W.L. location. This, in turn, will help provide additional capacity at the nominal 58.0° W.L. location, and thereby promote the public interest.

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<sup>4</sup> See File No. SES-RWL-20080717-00947.

<sup>5</sup> The requirements of US337 and US357 would not apply.

<sup>6</sup> The technical information currently on file is incorporated herein by reference.



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Please direct any questions regarding this STA request to the undersigned  
at (202) 944-7848.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Susan H. Crandall". The signature is fluid and cursive, with a large initial "S" and "C".

Susan H. Crandall  
Assistant General Counsel  
Intelsat Corporation

Cc: Kathryn Medley