

KL92 SES-STA-20100115-00071 IB201000024
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 IOT Services for the Intelsat 16 Satellite

1. Applicant

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

With Conditions



File # SES-STA-20100115-00071
Call Sign KL92 Grant Date 2/18/2010
(or other identifier)
Term Dates
From 2/21/2010 To: 3/22/2010
Approved: [Signature]

Shahneaz Ghavami

Attachment

SES-STA-20100115-00071

Condition:

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

PanAmSat shall coordinate its operations with neighboring satellites with ± 6 degrees of its orbital location.

PanAmSat shall immediate cease operations if interference is reported.

No transmission in the 13.77 – 13.78 GHz band as not to interfere with NASA Tracking and Data Relay Satellite System (TDRSS).

with conditions

File # SES-STA-20100115-00071

Call Sign KL92 Grant Date 2/18/2010
(or other identifier)

Term Dates
From 2/21/2010 To: 3/22/2010

Approved: _____

Shahnaaz Shrivastava



2. Contact

Name:	PanAmSat Licensee Corp.	Phone Number:	202-944-7848
Company:		Fax Number:	202-944-7870
Street:	c/o Intelsat Corporation 3400 International Drive, N.W.	E-Mail:	susan.crandall@intelsat.com
City:	Washington	State:	DC
Country:	USA	Zipcode:	20008 -3006
Attention:	Susan H. Crandall	Relationship:	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 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 26.9 W
11. Please supply any need attachments. Attachment 1: STA Request Attachment 2: Exhibits A-E 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;">PanAmSat Licensee Corp. herein requests a grant of Special Temporary Authority for 30 days, from February 21, 2010 through March 22, 2010, to use its Castle Rock, Colorado Ku-band earth station, call sign KL-92, to provide IOT services at 48.0 W.L. for the Intelsat 16 satellite that is expected to be launched on February 11, 2010.</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 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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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.

January 15, 2010

Ms. Marlene H. Dortch
Secretary

Federal Communications Commission
445 12th Street, S.W.
Washington, D.C. 20554



Re: Request for Special Temporary Authority
Castle Rock, Colorado Earth Station KL-92

Dear Ms. Dortch:

PanAmSat Licensee Corp. ("PanAmSat") herein requests a grant of Special Temporary Authority ("STA")¹ for 30 days, from February 21, 2010 through March 22, 2010, to use its Castle Rock, Colorado Ku-band earth station -- call sign KL-92 -- to provide in-orbit testing ("IOT") services at 48.0° W.L. for the Intelsat 16 satellite that is expected to be launched on February 11, 2010.

Upon launch and subject to receipt of FCC approval, Intelsat 16 will be located temporarily at 48.0° W.L.² The satellite's permanent location ultimately will be 58.1° W.L.³

The Intelsat 16 IOT operations will be performed at 48.0° W.L. in the following frequency bands: 13750-14500 MHz, 12750-12762 MHz and 12788-13250 MHz in the uplink and 11700-12200 MHz and 10700-11450 MHz in the downlink. PanAmSat has coordinated the proposed IOT transmissions with operators of all satellites operating co-frequency with Intelsat 16 up to six degrees away from 48.0° W.L. Specifically, PanAmSat has internally coordinated the proposed testing with the following of its satellites: Intelsat 705 (call sign S2395) at 50.0° W.L., Intelsat 707 (call sign S2398) at 53.0° W.L., Intelsat 1R (call sign S2368) at 50.0° W.L., Intelsat 14 (call sign S2785) at 45.0° W.L., Intelsat 3R (call sign PAS-2R) at 43.1° W.L., and Intelsat 11 (call sign S2237) at 43.0° W.L. In addition, PanAmSat has coordinated with NASA, which operates the TDRSS 3 and TDRSS 4 satellites at 49.0° W.L. and 46.0° W.L., respectively.

¹ 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").

² See *Intelsat North America LLC Request for Special Temporary Authority*, File No. SAT-STA-20100111-00007 (filed Jan. 11, 2010).

³ See *Policy Branch Information: Actions Taken*, Report No. SAT-00610, File No. SAT-IOA-20080416-00085 (June 5, 2009) (Public Notice).

Ms. Marlene H. Dortch
January 15, 2010
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In further support of this request, PanAmSat is attaching Exhibits A through E, 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.⁴ 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.

The in-orbit testing of the Intelsat 16 satellite at 48.0° W.L. is a critical step in ensuring that the satellite will be fully operational at 58.1° W.L. This, in turn, will result in additional capacity at the nominal 58.0° W.L. location, and thereby promote the public interest.

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

Respectfully submitted,



Susan H. Crandall
Assistant General Counsel
Intelsat Corporation

Cc: Kathryn Medley

⁴ As shown in the exhibits, operation of this earth station in the 13.770-13.780 GHz band will be subject to the ERP constraints required to ensure compliance with the FCC's Report and Order regarding operations in the 13.75-14.0 GHz band. See *Amendment of Part 2, 25 and 90 of the Commission's Rules to Allocate the 13.75-14.0 GHz Band to the Fixed Satellite Service*, 11 FCC Rcd 11951 (1996).