

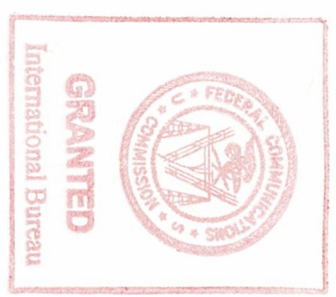
APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:  
Request for Special Temporary Authority Using Riverside, California Earth Station E040125

1. Applicant

Name:	Intelsat License LLC	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		

30 days "with conditions"



File # SES-STA-20110919-01127  
Call Sign ED41025 Grant Date 09/29/2011  
(or other identifier) Term Dates  
From 10/04/2011 To 11/02/2011  
Approved: [Signature]

Conditions of Grant of SES-STA-20110922-01127  
Call Sign E041025


Intelsat Licenses LLC is granted Special Temporary Authority to provide launch and early orbit phase services for the Intelsat 18 satellite that is expected to be launched on October 4, 2011. This grant is for the period beginning October 4, 2011 through November 2, 2011.

The permanent orbital location for Intelsat 18 will be 180° E.L. The satellite will be in-orbit tested at 176° E.L.

Operations will be performed in the following frequency bands: 6173.7, 850 and 6176.3 MHz (uplink) and 3947.5 and 3952.5 MHz (downlink). Earth station operations are limited to transmission and reception parameters coordinated within the parameters in the coordination report of this application under the following conditions.

1. All operations shall be on an unprotected and non-harmful interference basis, i.e., Intelsat shall not cause harmful interference to, and shall not claim protection from, interference caused to it by any other lawfully operating station.
2. In the event that there is a report of interference, Intelsat must immediately terminate transmissions and notify the FCC in writing.
3. Intelsat must comply with all FAA antenna height restrictions defined in 47 CFR Part 17.
4. 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 18 LEOP mission is as follows: Ph.: (202) 944-7701 – East Coast Operations Center (primary);(310) 525-5900 – West Coast Operations Center (back-up). Request to speak with Harry Burnham or Kevin Bell.
5. Intelsat must make all reasonable and customary measures to ensure that the earth station does not create a potential for harmful non-ionizing radiation to persons who may be in the vicinity of the earth station when it is in operation. At a minimum, permanent warning labels shall be fixed to the earth station and its housing warning of the radiation hazard and including a diagram showing the regions around the earth station where radiation levels could exceed 1.0mW/cm<sup>2</sup>. The earth station operator shall be responsible for assuring that individuals do not stray into the regions around the earth station where there is a potential for exceeding the maximum permissible exposure limits required by 47 C.F.R. §1.1310. This shall be accomplished by means of signs, caution tape, verbal warnings, placement of the earth station so as to minimize access to the hazardous region, and/or other appropriate means.

*"30 days"*      *"with conditions"*

 <b>GRANTED</b> International Bureau	File# <u>SES-STA-20110919-01127</u>
	Call Sign <u>E041025</u> Grant Date <u>09/29/2011</u> (or other identifier)
	Term Dates From <u>10/04/2011</u> To <u>11/02/2011</u>
	Approved: <u>Paul E. Ray</u>

September 22, 2011

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  
Riverside, California Earth Station E040125

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests a grant of Special Temporary Authority ("STA")<sup>1</sup> for 30 days, from October 4, 2011 through November 2, 2011, to use its Riverside, California earth station -- call sign E040125 -- to provide launch and early orbit phase ("LEOP") services for the Intelsat 18 satellite that is expected to be launched on October 4, 2011.<sup>2</sup> The LEOP period is expected to last approximately ten days.<sup>3</sup>

The Intelsat 18 LEOP operations will be performed in the following frequency bands:

- 6173.7 MHz and 6176.3 MHz (LHCP) in the uplink, and
- 3947.5 MHz and 3952.5 MHz (RHCP) in the downlink

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 18 LEOP mission is as follows:

Ph.: (202) 944-7701 – East Coast Operations Center (primary)  
(310) 525-5900 – West Coast Operations Center (back-up)  
Request to speak with Harry Burnham or Kevin Bell.

<sup>1</sup> Intelsat has filed its STA request, an FCC Form 159, a \$180.00 filing fee and this supporting letter electronically via the International Bureau's Filing System ("IBFS").

<sup>2</sup> The satellite's final orbital location will be 180.0° E.L. See *Policy Branch Information; Satellite Space Authorizations Accepted for Filing*, Report No. SAT-00796, File No. SAT-LOA-20101014-00219 (July 29, 2011) (Public Notice). The satellite will be in-orbit tested at 176.0° E.L.

<sup>3</sup> Intelsat is seeking authority through November 2, 2011 to accommodate a possible launch delay.

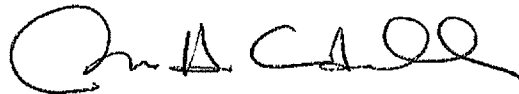
Ms. Marlene H. Dortch  
September 22, 2011  
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In further support of this request, Intelsat is attaching Exhibit A, which contains technical information concerning the Intelsat 18 LEOP operations. Intelsat notes that for purposes of the Intelsat 18 LEOP mission, it is seeking to operate in the frequencies listed in the request at power levels not to exceed 26.5 dBW. The technical information submitted with the STA request reflects a higher power level of 29.1 dBW, because that is the level at which Intelsat might operate in the event an emergency necessitates the use of a higher power level in order to command the satellite. 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 request will allow Intelsat to help launch the Intelsat 18 satellite to the 180.0° E.L. location. This, in turn, will help ensure continuity of service to customers at that location, thereby promoting 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: Paul Blais

**2. Contact**

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

8. Latitude  
(dd mm ss.s h)      33    47    43.6    N

9. State CA	10. Longitude (dd mm ss.s h) 117 5 20.4 W
11. Please supply any need attachments. Attachment 1: STA Request Attachment 2: Exhibit A 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 LIC herein requests a grant of Special Temporary Authority for 30 days, from October 4, 2011 through November 2, 2011, to use its Riverside, California earth station, call sign E040125, to provide launch and early orbit phase services for the IntelSat 18 satellite that is expected to be launched on October 4, 2011.	
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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