

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:  
Request for Special Temporary Authority Using Fillmore, California Earth Station E4132

I. 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-20110412-00430  
Call Sign E4132 Grant Date 05/16/2011  
(or other identifier)  
Term Dates  
From 05/18/2011 To 06/16/2011  
Approved: [Signature]

Conditions:


E4132

SES-STA-20110412-00430

Intelsat is granted, under the following conditions, Special Temporary Authority for 30 days, from May 18, 2011 through June 16, 2011, to use its Fillmore, California C-band earth station, call sign E4132, to provide launch and early orbit phase LEOP services to the ST-2 satellite that is expected to be launched on May 18, 2011.

1. Uplink to ST-2 on 6427.75 MHz and 6429.25 MHz (RHCP) using an emission of 850KFXD at a max EIRP of 64.7 dBW/4 kHz.
2. Downlink from ST-2 on 3699.5 MHz and 3698.5 MHz (RHCP) on a secondary allocation basis.
3. Immediately cease operations if interference is reported.
4. The LEOP operations must 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. Currently the 24x7 contact information for the ST-2 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 Mike Munion.
5. Waiver of application requirements under 25.114 is for LEOP service only. That is, for communications prior to the satellite attaining its final location in the geostationary orbit and on a non-interference basis.
6. Waiver of application requirements under 25.137 is for LEOP service only based on the understanding that ST-2 is licensed by Singapore, which is a WTO-member country and that at its permanent orbital location of 88.0° E.L., ST-2 will not serve the United States.

30 days "With conditions"

 <b>GRANTED</b> International Bureau	File# <u>SES-STA-20110412-00430</u>
	Call Sign <u>E4132</u> Grant Date <u>05/16/2011</u> (or other identifier)
	From <u>05/18/2011</u> Term Dates To <u>06/16/2011</u>
	Approved: <u>Paul E. Hayes</u>

**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 -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/Fillmore

8. Latitude  
(dd mm ss.s h)      34    24    22.0    N

9. State CA	10. Longitude (dd mm ss.s h) 118 53 34.0 W
11. Please supply any need attachments.	
Attachment 1: STA Request	Attachment 2: Exhibit A
Attachment 3: Exhibit B	
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.)	
<p>Intelsat License LLC herein requests a grant of Special Temporary Authority for 30 days, from May 18, 2011 through June 16, 2011, to use its Fillmore, California C-band earth station, call sign E4132, to provide launch and early orbit phase services to the ST-2 satellite that is expected to be launched on May 18, 2011.</p>	
<p>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.</p> <p style="text-align: right;">Yes <input checked="" type="radio"/> No <input type="radio"/></p>	
14. Name of Person Signing Susan H. Crandall	15. Title of Person Signing Asst. General Counsel, Intelsat Corporation
<p>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).</p>	

## **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.**

April 12, 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  
Fillmore, California Earth Station E4132

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests a grant of Special Temporary Authority ("STA")<sup>1</sup> for 30 days, from May 18, 2011 through June 16, 2011, to use its Fillmore, California C-band earth station -- call sign E4132 -- to provide launch and early orbit phase ("LEOP") services to the ST-2 satellite that is expected to be launched on May 18, 2011.<sup>2</sup> The LEOP period is expected to last approximately 10 days.<sup>3</sup>

The ST-2 LEOP operations will be performed in the following frequency bands:

Uplink: 6429.25 MHz and 6427.75 MHz (RHCP); and  
Downlink: 3699.5 MHz and 3698.5 MHz (RHCP)

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 ST-2 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 Mike Munion.

<sup>1</sup> Intelsat 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 satellite's permanent orbital location will be 88.0° E.L.

<sup>3</sup> Intelsat is seeking authority through June 16, 2011 to accommodate a possible launch delay.

Ms. Marlene H. Dortch  
April 12, 2011  
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In further support of this request, Intelsat is attaching 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 notes that although it has coordinated a power level of 34.9 dBW, it expects to operate within the 26.5 dBW maximum level permitted by the FCC. A higher power level will only be used 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.

Grant of this STA request will enable Intelsat to help launch the ST-2 satellite. This will serve the public interest by ensuring continuity of service at the satellite's permanent location of 88.0° E.L.

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