

E4132 SES-STA-20130626-00542 IE2013001370
Intelsat License LLC

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 STA for Fillmore, California Earth Station E4132

1. Applicant

Name: Intelsat License LLC Phone Number: 202-944-7848
DBA Name: DBA Name: 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"

30 days

File # SES-STA-20130626-00542

Call Sign E4132 Grant Date 07/31/2013

(or other identifier)

Term Dates
From 08/01/2013 To 08/31/2013

Approved: *Susan H. Crandall*




Applicant: Intelsat License LLC
Call Sign: E4132
File No.: SES-STA-20130626-00542
Special Temporary Authority (STA)

Intelsat License LLC is granted, under the following conditions, STA for 30 days, to use its Fillmore, California C-band earth station, call sign E4132, to provide launch and early orbit phase (LEOP) services to the GSAT-14 satellite. The satellite's permanent orbital location will be at 74.0 deg E.L. The satellite is expected to be launched on August 1, 2013.

1. Uplink to GSAT-14 on 6415.0 MHz and 6410.896 MHz (CP) within coordinated emission and power limits.
2. Downlink from GSAT-14 on 4195.776 MHz and 4199.28 MHz (CP) .
3. 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 GSAT-14 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.
4. All operations shall be on an unprotected and non-harmful interference basis, Intelsat License LLC, E4132, shall not cause harmful interference to, and shall not claim protection from, interference caused to it by any other lawfully operating station and it shall cease transmission(s) immediately upon notice of such interference.
5. Grant of this authorization is without prejudice to any determination that the Commission may make regarding pending or future Intelsat License LLC applications.
6. 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.

30 days *"With conditions"*

 GRANTED International Bureau	File # <u>SES-STA-20130626-00542</u>
	Call Sign <u>E4132</u> Grant Date <u>07/31/2013</u> (or other identifier)
	From <u>08/01/2013</u> Term Dates To: <u>08/31/2013</u>
	Approved: <i>Paul E. Hayes</i>

June 26, 2013

Ms. Marlene H. Dortch
Secretary
Federal Communications Commission
445 12th 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”)¹ for 30 days commencing August 1, 2013 to use its Fillmore, California C-band earth station -- call sign E4132 -- to provide launch and early orbit phase (“LEOP”) services for the GSAT-14 satellite that is expected to be launched on August 1, 2013.² The LEOP period is expected to last approximately 10 days.³

The GSAT-14 LEOP operations will be performed in the following frequency bands:

Uplink: 6415.0 MHz and 6410.896 MHz (CP); and
Downlink: 4195.776 MHz and 4199.28 MHz (CP).

The LEOP operations will be coordinated with all operators of satellites that use the same frequency bands and are in the LEOP path.⁴ 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.

¹ 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”).

² The permanent orbital location for GSAT-14 will be 74.0° E.L. The in-orbit testing location has not yet been determined, but will be out of range of E4132.

³ Intelsat is seeking authority for 30 days to accommodate a possible launch delay.

⁴ The Indian Space Research Organisation (“ISRO”), which is the manufacturer of, and LEOP mission manager for, GSAT-14, will handle the coordination.

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June 26, 2013
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The 24x7 contact information for the GSAT-14 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.

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. 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.

Intelsat also notes that for purposes of the GSAT-14 LEOP mission, it is seeking to operate in the frequencies listed in the request at a maximum input power level not to exceed 26.5 dBW. The technical information submitted with the STA request reflects a higher maximum input power level of 34.0 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.

Finally, Intelsat clarifies that during the GSAT-14 launch, the spacecraft will be controlled by ISRO, which is the manager of the LEOP mission. ISRO 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 ISRO. Intelsat will remain in control of the baseband unit, RF equipment and antenna.

Grant of this STA request will enable Intelsat to help launch the GSAT-14 satellite. This, in turn, will serve the public interest by providing new capacity at the satellite's permanent location of 74.0° E.L.

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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: 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 -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?	
<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 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.) <div style="border: 1px solid black; padding: 5px;"> <p>Intelsat License LLC herein requests a grant of Special Temporary Authority for 30 days commencing August 1, 2013 to use its Fillmore, California C-band earth station, call sign E4132, to provide launch and early orbit phase services for the GSAT-14 satellite that is expected to be launched on August 1, 2013.</p> </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. <p style="text-align: center;"> <input checked="" type="radio"/> Yes <input type="radio"/> No </p>	
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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