

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION: Enter a description of this application to identify it on the main menu:
Request for Extension of STA for Fillmore, California Earth Station E4132

1. Applicant

Name: Intelsat License LLC **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

30 days "With Conditions"
File # SES-STA-20130829-00769



Call Sign E4132 Grant Date 09/25/2013
(or other identifier)
Term Dates
From 08/31/2013 To: 09/30/2013
Approved: *[Signature]*

Applicant: Intelsat License LLC
Call Sign: E4132
File No.: SES-STA-20130829-00769
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 in late September 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"*

File # SES-STA-20130829-00769

Call Sign E4132 Grant Date 09/25/2013
(or other identifier)

Term Dates
From 08/31/2013 To 09/30/2013

Approved: *Paul E. Blawie*



The image shows a red rectangular stamp from the International Bureau of the Federal Communications Commission. On the left side of the stamp is the FCC seal, which features an eagle with wings spread, holding an olive branch and arrows, with a shield on its chest. Above the seal, the words 'FEDERAL COMMUNICATIONS COMMISSION' are written in a circular arrangement. Below the seal, the word 'GRANTED' is printed in large, bold, capital letters, and below that, 'International Bureau' is printed in a smaller font.

August 29, 2013

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



Re: Request for Extension of Special Temporary Authority
Fillmore, California Earth Station E4132

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests an additional 30 days -- through September 30, 2013 -- of the Special Temporary Authority ("STA")¹ previously granted Intelsat to use its Fillmore, California C-band earth station E4132 to provide launch and early orbit phase ("LEOP") services for the GSAT-14 satellite that, due to an unexpected launch delay, is now scheduled to be launched in late September.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

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 See *Satellite Communications Services Information; Actions Taken*, Report No. SES-01575, File No. SES-STA-20130626-00542 (Aug. 7, 2013) (Public Notice). 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 any further 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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August 29, 2013
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phone number where the licensee can be reached in the event that harmful interference occurs.

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 extension request, Intelsat incorporates by reference Exhibits A and B of its initial STA request 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 extension 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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August 29, 2013
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Please direct any questions regarding this STA extension request to the undersigned at (202) 944-7848.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'S. H. Crandall', written in a cursive style.

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?

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: 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 LLC herein requests an additional 30 days, through September 30, 2013, of the Special Temporary Authority previously granted Intelsat to use its Fillmore, California C-band earth station E4132 to provide launch and early orbit phase services for the GSAT-14 satellite that, due to an unexpected launch delay, is now scheduled to be	
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. 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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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.

12. Description

Intelsat License LLC herein requests an additional 30 days, through September 30, 2013, of the Special Temporary Authority previously granted Intelsat to use its Fillmore, California C-band earth station E4132 to provide launch and early orbit phase services for the GSAT-14 satellite that, due to an unexpected launch delay, is now scheduled to be launched in late September.