


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 Using Fillmore, California Earth Station E4132

1. Applicant

| | | | |
|-------------------|---|----------------------|-----------------------------|
| Name: | Intelsat License LLC | Phone Number: | 703-559-7848 |
| DBA Name: | | Fax Number: | 703-559-8539 |
| Street: | c/o Intelsat Corporation 7900 Tysons One Place | E-Mail: | susan.crandall@intelsat.com |
| City: | McLean | State: | VA |
| Country: | USA | Zipcode: | 22102 -5972 |
| Attention: | Susan H. Crandall | | |

30 days *"Extension with conditions"*
File # SES-STA-20150911-00580
Call Sign E4132 **Grant Date** 09/16/2015
(or other identifier)
Term Dates
From 09/17/2015 **To** 10/17/2015
Approved: Paul E. Hauer



The stamp is a red rectangular box containing the FCC logo (a circular emblem with an eagle and the text 'FEDERAL COMMUNICATIONS COMMISSION') at the top. Below the logo, the word 'GRANTED' is printed in large, bold, capital letters. Underneath 'GRANTED', the words 'International Bureau' are printed in a smaller font.

Applicant: Intelsat License LLC
File No.: SES-STA-20150911-00580
Call Sign: E4132
Special Temporary Authority (STA)



File # SES-STA-20150911-00580
Call Sign E4132 Grant Date 09/16/2015
(or other identifier)
Term Dates
From 09/17/2015 To 10/17/2015
Approved: Paul E. Hines

Intelsat License LLC is granted a STA extension from SES-STA-20150717-00461, for 30 days, from September 17 to October 17, 2015, to operate its C-band earth station, Call Sign E4132, located in, Fillmore, California, to provide launch and early orbit phase (LEOP) services and telemetry, tracking, and command (TT&C) during in-orbit testing (IOT) at 51.5° W.L. and TT&C during the drift of the U.S. licensed Intelsat 34 satellite to its final location at 55.5° W.L. The LEOP and TT&C operations during IOT will be under the following conditions:

1. Uplink (Earth-to-space) frequency to Intelsat 34 satellite are 6173.70 MHz and 6176.30 MHz (LHCP) center frequency within coordinated emission and power limits.
2. Downlink (space-to-Earth) frequencies from Intelsat 34 satellite are 3949 MHz, 3949.50 MHz, 3950.50 MHz, and 3951 MHz (RHCP) center frequencies.
3. Intelsat will coordinate the proposed IOT operations at IOT location 51.5° W.L. with operators of co-frequency satellites. During the drift from 51.5° W.L. to the satellite's permanent orbital location 55.5° W.L. Intelsat will coordinate with operators of co-frequency satellites in the drift path.
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 Intelsat 34 satellite LEOP mission is as follows: Ph.: (703) 559-7701 –East Coast Operations Center (primary); (310) 525-5591- West Coast Operations Center (back-up). Requests to speak with Harry Burnham or Kevin Bell.
4. All operations under this grant of STA shall be on an unprotected and non-harmful interference basis. Intelsat's E4132 shall not cause harmful interference to, and shall not claim protection from interference caused to it by, any other lawfully operating radio communication system.
5. In the event of any harmful interference as a result of operations under this grant of STA, Intelsat shall cease operations immediately upon notification of such interference and shall immediately inform the Commission, in writing, of such an event.
6. Grant of this STA is without prejudice to any determination that the Commission may make regarding pending or future Intelsat License LLC applications.
7. Any action taken or expense incurred as a result of operations pursuant to this STA is solely at Intelsat License LLC's risk.
8. This grant is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. § 0.261, and is effective upon release.

September 11, 2015

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—from September 17, 2015 through October 16, 2015—of the Special Temporary Authority (“STA”)¹ previously granted Intelsat to use its Fillmore, California C-band earth station—call sign E4132—to provide launch and early orbit phase (“LEOP”) services for Intelsat 34,² telemetry, tracking, and command (“TT&C”) during in-orbit testing (“IOT”) at 51.5° W.L, and TT&C during the drift of Intelsat 34 to its final location at 55.5° W.L.³ Additionally, Intelsat is requesting authority to provide TT&C to Intelsat 34 on-station at 55.5° W.L. Intelsat 34 was successfully launched on August 20, 2015.

The Intelsat 34 operations are being performed using the following frequencies: 6173.7 MHz and 6176.3 MHz in the uplink (LHCP), and 3949.0 MHz, 3949.5 MHz, 3950.5 MHz, and 3951 MHz in the downlink (RHCP). The LEOP operations are being coordinated with all operators of satellites that use the same frequency bands and are in the LEOP path.⁴ All operators of potentially affected satellites 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 34 mission is as follows:

Ph.: (703) 559-7701 – East Coast Operations Center (primary)
(310) 525-5591 – West Coast Operations Center (back-up)

Request to speak with Harry Burnham or Kevin Bell.

¹ Intelsat has filed this STA request, an FCC Form 159 and a \$195.00 filing fee electronically via the International Bureau’s Filing System.

² See *Policy Branch Information; Actions Taken*, Report No. SAT-01064, File No. SAT-LOA-20140114-00005 (Jan. 23, 2015) (Public Notice).

³ See *Satellite Communications Services Information; Actions Taken*, Report No. SES-01775, File No. SES-STA-20150717-00461 (Aug. 19, 2015) (Public Notice). Letter from Cynthia J. Grady, Regulatory Counsel for Intelsat Corporation, to Marlene Dortch, FCC, File No. SES-STA-20150717-00461 (filed Aug. 14, 2015).

⁴ Intelsat will continue to handle the coordination.

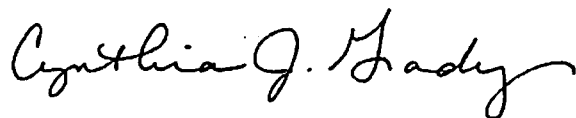
Ms. Marlene H. Dortch
September 11, 2015
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In the extremely unlikely event that harmful interference should occur due to transmissions to or from its earth station, Intelsat will take all reasonable steps to eliminate the interference.

Grant of this STA extension request will allow Intelsat to continue to prepare the Intelsat 34 satellite for operation. This, in turn, will help ensure continuity of service at the 55.5° W.L. orbital location and thereby promotes the public interest.

Please direct any questions regarding this STA extension request to the undersigned at (703) 559-6949.

Respectfully submitted,

A handwritten signature in cursive script, reading "Cynthia J. Grady".

Cynthia J. Grady
Regulatory Counsel
Intelsat Corporation

cc: Paul Blais

2. Contact

| | | | |
|-------------------|-----------------------|----------------------|----------------------------|
| Name: | Cynthia J. Grady | Phone Number: | 703-559-6949 |
| Company: | Intelsat Corporation | Fax Number: | 703-559-8539 |
| Street: | 7900 Tysons One Place | E-Mail: | cynthia.grady@intelsat.com |
| City: | McLean | State: | VA |
| Country: | USA | Zipcode: | 22102 -5972 |
| Attention: | | 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.) <div style="border: 1px solid black; padding: 5px; margin: 10px 0;">IntelSAT License LLC herein requests an additional 30 days, from September 17, 2015 through October 16, 2015, of the Special Temporary Authority previously granted IntelSAT to use its Fillmore, California C-band earth station, call sign E4132, to provide launch and early orbit phase services for IntelSAT 34, telemetry, tracking, and command during</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 Cynthia J. Grady | 15. Title of Person Signing Regulatory 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, from September 17, 2015 through October 16, 2015, of the Special Temporary Authority previously granted Intelsat to use its Fillmore, California C-band earth station, call sign E4132, to provide launch and early orbit phase services for Intelsat 34, telemetry, tracking, and command during in-orbit testing at 51.5 W.L, and TT&C during the drift of Intelsat 34 to its final location at 55.5 W.L. Additionally, Intelsat is requesting authority to provide TT&C to Intelsat 34 on-station at 55.5 W.L.