

E4132 SES-STA-20130110-00036
Intelsat License LLC

IB2013000080

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:
STA Request for 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 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-20130110-00036

Call Sign E4132 Grant Date 01/29/2013
(or other identifier)

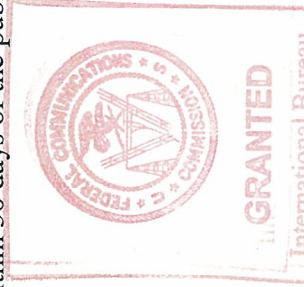
Term Dates
From 01/29/2013 To: 02/28/2013

Approved: Paul E. Black

Applicant: Intelsat License LLC
Call Sign: E4132
File No.: SES-STA-20130110-00036
Special Temporary Authority (STA)

Intelsat License LLC is granted special temporary authority, with conditions, for 30 days, from January 29, 2013, to use its Fillmore, California C-band earth station, Call Sign E4132, to provide launch and early orbit phase (LEOP) services for the Intelsat 27 satellite, Call Sign S2827. Intelsat is granted authority to conduct telemetry, tracking, and command (TT&C) operations using center frequencies of 3701.25 MHz, 3701.75 MHz, 3702.25 MHz, and 3702.75 MHz (space-to-Earth), and 5925.5 MHz and 6424.5 MHz (Earth-to-space) necessary to maintain Intelsat 27 at 51.5° W.L. and to drift the Intelsat 27 space station to its authorized location of 55.5° W.L. Intelsat is also authorized to conduct in-orbit testing (IOT) of the Intelsat 27 satellite at the 51.5° W.L. orbital location using the 3700 – 4200 MHz (space-to-Earth), 5925 – 6425 MHz (Earth-to-space), 11.45 – 11.70 GHz (space-to-Earth), 11.7 – 12.2 GHz (space-to-Earth), 12.50-12.75 GHz (space-to-Earth), and 14.0 – 14.5 GHz (Earth-to-space) frequency bands. Operations under this authorization must be in accordance with the terms and conditions contained in this application, authorization of Intelsat's application SAT-STA-20121126-00204, the Federal Communications Commission's rules not waived herein, and are subject to the following conditions:

1. 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 must 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 27 LEOP mission is as follows: Ph.: (202) 944-7701 - East Coast Operations Center (primary); (310) 525-5900 - West Coast Operations Center (backup). Harry Burnham and Kevin Bell are the LEOP and IOT points of contact.
2. All operations under this grant of special temporary authority must be on an unprotected and non-harmful interference basis, *i.e.*, Intelsat must not cause harmful interference to, and shall not claim protection from interference caused to it by, any other lawfully operating station.
3. In the event of any harmful interference under this grant of special temporary authority, Intelsat must cease operations immediately upon notification of such interference, and must inform the Commission, in writing, immediately of such an event.
4. Any action taken or expense incurred as a result of operations pursuant to this special temporary authority is solely at Intelsat License LLC risk.
5. Intelsat is afforded 30 days from the date of release of this action to decline this authorization as conditioned. Failure to respond within this period will constitute formal acceptance of the authorization as conditioned.
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. Petitions for reconsideration under Section 1.106 of the Commission's rules or applications for review under Section 1.115 of the Commission's rules, 47 C.F.R. §§ 1.106, 1.115, may be filed within 30 days of the public notice indicating that this action was taken.



File # SES-STA-20130110-00036

Call Sign E4132 Grant Date 01/29/2013
(or other identifier)

Term Dates

From 01/29/2013 To: 02/28/2013

Authorized By

M. J. S.

OR

H. M. D.

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:	
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 a grant of Special Temporary Authority for 30 days commencing January 28, 2013 to use its Fillmore, California C-band earth station, call sign E4132, to provide launch and early orbit phase services for the Intelsat 27 (Call Sign S2827) satellite that is expected to be launched on January 28, 2013.</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 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).	

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.

January 10, 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 January 28, 2013 to use its Fillmore, California C-band earth station -- call sign E4132 -- to provide launch and early orbit phase (“LEOP”) services for the Intelsat 27 (Call Sign S2827) satellite that is expected to be launched on January 28, 2013.² The LEOP period is expected to last approximately 17 days.³

The Intelsat 27 LEOP operations will be performed in the following frequency bands:

Uplink: 6424.5 MHz (LHCP) and 5925.5 MHz (H); and
Downlink: 3701.25 MHz, 3701.75 MHz, 3702.25 MHz, and 3702.75 MHz (LHCP/V).

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 satellite’s permanent orbital location will be 55.5° W.L. See *Policy Branch Information; Actions Taken*, Report No. SAT-00904, File No. SAT-LOA-20110610-00105 (Oct. 12, 2012) (Public Notice). The FCC’s order granting the Intelsat 27 license prohibits Intelsat from operating the UHF payload without further order from the FCC. See *id.*, Condition # 4. Intelsat 27’s C- and Ku-band payloads will be in-orbit tested at 51.5° E.L. See *Intelsat License LLC Request for Special Temporary Authority*, File No. SAT-STA-20121130-00204 (filed Nov. 30, 2012). The satellite’s UHF payload will be tested at 55.5° W.L., subject to receipt of FCC approval.

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

Ms. Marlene H. Dortch
January 10, 2013
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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.

The 24x7 contact information for the Intelsat 27 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 Exhibit A, which contains 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. 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 Intelsat 27 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 32.6 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.

Grant of this STA request will enable Intelsat to help launch the Intelsat 27 satellite. This, in turn, will serve the public interest by providing replacement and new capacity at the satellite's permanent location of 55.5° W.L.

⁴ Boeing Satellite Systems, Inc., which is the LEOP mission manager for Intelsat 27, will handle the coordination.

Ms. Marlene H. Dortch
January 10, 2013
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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 "S. Crandall". The signature is written in a cursive style with a large initial "S" and a long, sweeping underline.

Susan H. Crandall
Assistant General Counsel
Intelsat Corporation

Cc: Paul Blais