

11 July

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 Extension of Special Temporary Authority Using Fillmore, CA 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		

File # SES-STA-20130701-00560

Call Sign E4132 Grant Date July 16, 2013
(or other identifier)

Term Dates
From 7/11/2013 To: 8/9/2013

Approved: Paul E. Blair



Applicant: Intelsat License LLC
Call Sign: E4132
File No.: SES-STA-20130701-00560

Intelsat License LLC (Intelsat) is granted Special Temporary Authority, under the following conditions, to use its Fillmore, CA fixed earth station, call sign E4132, for 30 days, beginning July 11, 2013, to provide launch and early orbit phase (LEOP) services for the Indian licensed satellite IRNSS-1A at permanent orbital location at 55.0° E.L. The in-orbit testing location will be out of range of E4132. The IRNSS-1A satellite is expected to be launched on July 1, 2013. The following conditions are:

1. Intelsat LEOP operations will be performed on uplink frequencies (Earth-to-space) 6415.0 MHz and 6421.48 MHz (CP) and downlink frequencies (space-to-Earth) 4194.0 MHz and 4199.28 MHz (CP).
2. The maximum uplink EIRP transmitted during the LEOP operations at a maximum input power level not to exceed 26.5 dBW for normal LEO operations and 34.0 dBW in the event an emergency necessitates the use of a higher power level in order to command the satellite.
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 IRNSS-1A LEOP operations 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, *i.e.*, Intelsat shall not cause harmful interference to, and shall not claim protection from interference caused to it by, any other lawfully operating radiocommunication station and it shall cease transmission(s) immediately upon notice of such interference.
5. This grant does not constitute grant of U.S. market access to IRNSS-1A at any location.
6. Any action taken or expense incurred as a result of operations pursuant to this Special Temporary Authority is solely at Intelsat's own risk.
7. 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.



File # SES-STA-20130701-00560
Call Sign E4132 Grant Date July 16, 2013
(or other identifier)
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From 7/11/2013 To: 8/9/2013
Approved: Paul E. Black

July 1, 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— from July 11, 2013 through August 8, 2013— 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 the IRNSS-1A satellite.² The extension is required because the satellite's launch has been delayed and currently is scheduled for July 1, 2013. The LEOP period is expected to last approximately 10 days.³

The IRNSS-1A LEOP operations will be performed in the following frequency bands:

Uplink: 6415.0 MHz and 6421.48 MHz (CP); and
Downlink: 4194.0 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 this STA request, an FCC Form 159 and a \$180.00 filing fee electronically via the International Bureau's Filing System.

² See *Satellite Communications Services Information; Actions Taken*, Report No. SES-01588, File No. SES-STA-20130523-00446 (Public Notice) (June 12, 2013). The permanent orbital location for IRNSS-1A will be 55.0° 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 further launch delay.

⁴ The Indian Space Research Organisation, which is the manufacturer of, and LEOP mission manager for, IRNSS-1A, will handle the coordination.

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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 IRNSS-1A 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 support of this further extension request, Intelsat incorporates by reference the materials submitted with its original 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 IRNSS-1A 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 IRNSS-1A 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 IRNSS-1A satellite. This, in turn, will serve the public interest by providing new capacity at the satellite's permanent location of 55.0° E.L.

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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 'Susan 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?	
<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:
Attachment 3:	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.)	<p>Intelsat License LLC herein requests an additional 30 days, from July 11, 2013 through August 8, 2013, 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 the IRNSS-1A satellite that is expected to be launched on July 1,</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>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
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 July 11, 2013 through August 8, 2013, 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 the IRNSS-1A satellite that is expected to be launched on July 1, 2013.