


APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
30-Day STA Using Fillmore, CA Earth Station E4132 to Provide LEOP Services for InSat-3DR Satellite

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 "With conditions"




File # SES-STA-20160801-00707
Call Sign E4132 Grant Date 08/09/2016
(or other identifier)
Term Dates
From 08/28/2016 To 09/27/2016
Approved: Charles H. Hlav

Applicant: Intelsat License LLC
File No.: SES-STA-20160801-00707
Call Sign: E4132
Special Temporary Authority

Intelsat License LLC is granted Special Temporary Authority, under the following conditions, for 30 days, beginning August 28, 2016, to operate its C-band earth station, Call Sign E4132, located in, Fillmore, California, to provide launch and early orbit phase ("LEOP") services for the InSat-3DR satellite licensed by India, as it travels to its permanent orbital location 74° E.L. Communications will be on the following center frequencies: 6415.00 MHz and 6419.32 MHz (RHCP) in the (Earth-to-space), and 4190.976 MHz and 4196.928 MHz (CP) in the (space-to-Earth). InSat-3DR satellite is expected to be launched no earlier than August 28, 2016.

1. During the drift to the satellite's permanent orbital location at 74.0° E.L., Intelsat will coordinate with operators of co-frequency satellites in the drift path.
2. 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 InSat-3DR LEOP 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.
3. 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.
4. In the event of any harmful interference under this grant of STA, Intelsat License, LLC, E4132 must cease operations immediately upon notification of such interference, and must inform the Commission, in writing, immediately of such an event.
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. Any action taken or expense incurred as a result of operations pursuant to this STA is solely 'at Intelsat License, LLC's 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.

30 days *"with conditions"*



File # SES-STA-20160801-00707
Call Sign E4132 Grant Date 08/09/2016
(or other identifier)
From 08/28/2016 Term Expires 09/27/2016
Approved: *Paul E. Blawie*



INTELSAT.

Envision. Connect. Transform.

August 1, 2016

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 28, 2016, to use its Fillmore, California C-band earth station—call sign E4132—to provide launch and early orbit phase (“LEOP”) services for the InSat-3DR satellite. InSat-3DR is expected to be launched August 28, 2016.² The LEOP period is expected to last approximately 10 days.³

The InSat-3DR LEOP operations will be performed in the following frequency bands: 6415.00 MHz and 6419.32 MHz in the uplink (RHCP), and 4190.976 MHz and 4196.928 MHz in the downlink (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.

The 24x7 contact information for the InSat-3DR LEOP 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.

In further support of this request, Intelsat hereby attaches Exhibits A and B, which contain technical information that demonstrates that the operation of the earth station will be compatible with its

¹ Intelsat has filed its STA request, an FCC Form 159, a \$195.00 filing fee, and this supporting letter electronically via the International Bureau’s Filing System (“IBFS”).

² The permanent orbital location for InSat-3DR, which Intelsat understands is licensed by India, will be at 74.0° E.L. The in-orbit testing location will be 74.0° E.L.

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

⁴ Indian Space Research Organisation (“ISRO”), the manager of the InSat-3DR mission, will handle the coordination.

Ms. Marlene H. Dortch
August 1, 2016
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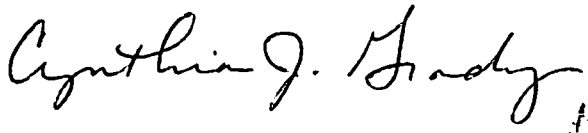
electromagnetic environment and will not cause harmful interference into any lawfully operating terrestrial facility, as well as a waiver request. Intelsat also notes that for purposes of the InSat-3DR LEOP mission, it is seeking to operate in the frequencies listed in the request at power levels not to exceed 26.0 dBW. The technical information submitted with this STA request reflects a power level as high as 34.5 dBW because Intelsat might operate at this level in the event an emergency necessitates the use of a higher power level in order to command the satellite. 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.

Finally, Intelsat clarifies that during the InSat-3DR LEOP mission, ISRO will serve as the mission manager. 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 perform the ranging sessions by sending a tone to the spacecraft periodically. Intelsat will remain in control of the baseband unit, RF equipment, and antenna.

Grant of this STA request will allow Intelsat to help launch the InSat-3DR satellite. This, in turn, will result in the provision of a new weather satellite from the 74.0° E.L. orbital location thereby promotes the public interest.

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

Respectfully submitted,



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: 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;"> IntelSat License LLC herein requests a grant of Special Temporary Authority for 30 days, commencing August 28, 2016, to use its Fillmore, California C-band earth station, call sign E4132, to provide launch and early orbit phase services for the InSat-3DR satellite. InSat-3DR is expected to be launched August 28, 2016. The LEOP period is expected to last </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. <div style="text-align: right;"> <input checked="" type="radio"/> Yes <input type="radio"/> No </div>	
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 a grant of Special Temporary Authority for 30 days, commencing August 28, 2016, to use its Fillmore, California C-band earth station, call sign E4132, to provide launch and early orbit phase services for the InSat-3DR satellite. InSat-3DR is expected to be launched August 28, 2016. The LEOP period is expected to last approximately 10 days.