

E040125 SES-STA-20150126-00043 IB2015000130
Intelsat License LLC

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 Special Temporary Authority Using Riverside, California Earth Station E040125

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-20150126-00043

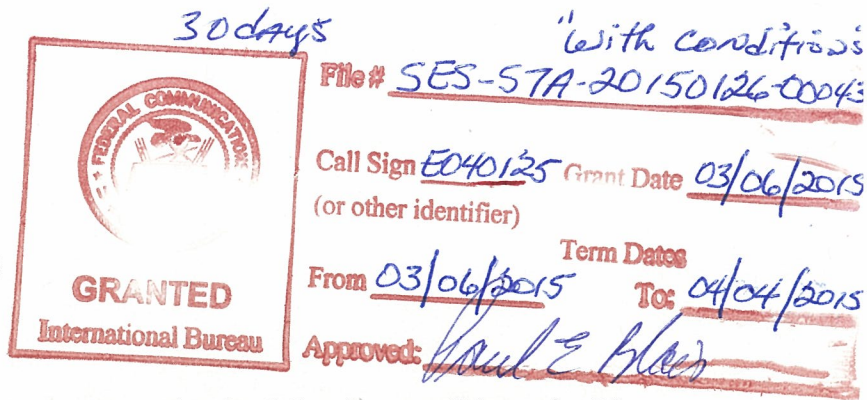
Call Sign E040125 Grant Date 03/06/2015
(or other identifier)

Term Dates

From 03/06/2015 To: 04/04/2015

Approved: *Mud E. Allen*

Applicant: Intelsat License LLC
Call Sign: E040125
File No.: SES-STA-20150126-00043
Special Temporary Authority (STA)



Intelsat License LLC ("Intelsat") is granted STA, under the following conditions, for 30 days, beginning March 6, 2015 to use its Nuevo, California earth station, Call Sign E040125 to provide launch and early orbit phase (LEOP) services to the IRNSS-1D satellite licensed by India under the following conditions:

1. Uplink (Earth-to-space) frequencies to IRNSS-1D satellite are 5850.982 MHz and 5853.028 MHz (RLCP) center frequencies within coordinated emission and power limits.
2. Downlink (space-to-Earth) frequencies from IRNSS-1D satellite are 4199.508 MHz and 4199.760 MHz (RLCP) center frequencies.
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-1D 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 E040125 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.

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.

2. Contact			
Name:	Susan H. Crandall	Phone Number:	703-559-7848
Company:	Intelsat Corporation	Fax Number:	703-559-8539
Street:	7900 Tysons One Place	E-Mail:	susan.crandall@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?			
<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. CityNuevo			
8. Latitude (dd mm ss.s h) 33 47 43.6 N			

9. State	CA	10. Longitude (dd mm ss.s h)	117 5 20.4 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;"> <p>Intelsat License LLC herein requests a grant of Special Temporary Authority for 30 days, commencing March 1, 2015, to use its Riverside, California C-band earth station, call sign E040125, to provide launch and early orbit phase services for the Indian Regional Navigational Satellite System-1D satellite.</p> </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.			
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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INTELSAT

Envision. Connect. Transform.

January 26, 2015

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

Re: Request for Special Temporary Authority
Riverside, California Earth Station E040125

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests a grant of Special Temporary Authority (“STA”)¹ for 30 days, commencing March 1, 2015, to use its Riverside, California C-band earth station—call sign E040125—to provide launch and early orbit phase (“LEOP”) services for the Indian Regional Navigational Satellite System (“IRNSS”) 1D satellite.² IRNSS-1D is expected to be launched no earlier than March 1, 2015.³ The LEOP period is expected to last approximately 10 days.⁴

The IRNSS-1D LEOP operations will be performed in the following frequency bands: 5850.982 MHz and 5853.028 MHz in the uplink (R/LCP), and 4199.508 MHz and 4199.760 MHz in the downlink (R/LCP). For the IRNSS-1D satellite LEOP mission the max EIRP/carrier is 87 dBW; max EIPR density/carrier is 27.7 dBW; emission data is 850 kHz FM; antenna data/gain is 54.8 dBI; and input power at the antenna flange is 32.6 dBW.

The LEOP operations will be coordinated with all operators of satellites that use the same frequency bands and are in the LEOP path.⁵ 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.

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 Intelsat previously filed for, and was granted, an identical STA for December 31, 2014-January 30, 2015. Because of a lengthy launch delay, Intelsat will be allowing that STA to expire. *See Satellite Communications Services Information; Actions Taken*, Report No. SES-01713, File No. SES-STA-20141208-00889 (Dec. 31, 2014) (Public Notice).

³ The permanent orbital location for IRNSS-1D, which Intelsat understands is licensed by India, will be at 111.75° E.L. The in-orbit testing location will be 111.75° E.L.

⁴ Intelsat is seeking authority for 30 days to accommodate a possible launch delay.

⁵ Indian Space Research Organization, the manager of the IRNSS-1D LEOP mission, will handle the coordination.

Ms. Marlene H. Dortch
January 26, 2015
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The 24x7 contact information for the IRNSS-1D 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, as Exhibit A, a waiver request. Intelsat also notes that for purposes of the IRNSS-1D LEOP mission, it is seeking to operate in the frequencies listed in the request at power levels not to exceed 33 dBW. 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 IRNSS-1D launch, the Indian Space Research Organization (“ISRO”) will control the spacecraft. 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 allow Intelsat to help launch the IRNSS-1D satellite. This, in turn, will help provide navigation services to India and neighboring areas from the 111.75° E.L. orbital location and 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