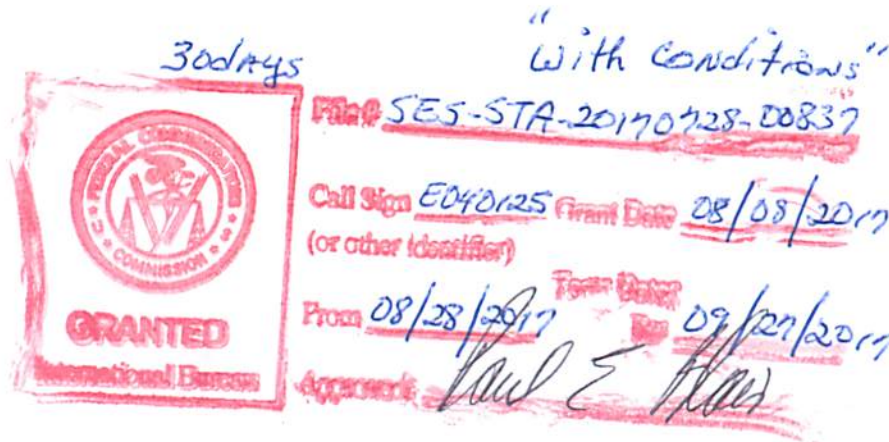


APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:  
Request for 30-Day STA Using Riverside, CA Earth Station E040125 to Provide LEOP Services for IRNSS-1H Satellite

I. Applicant

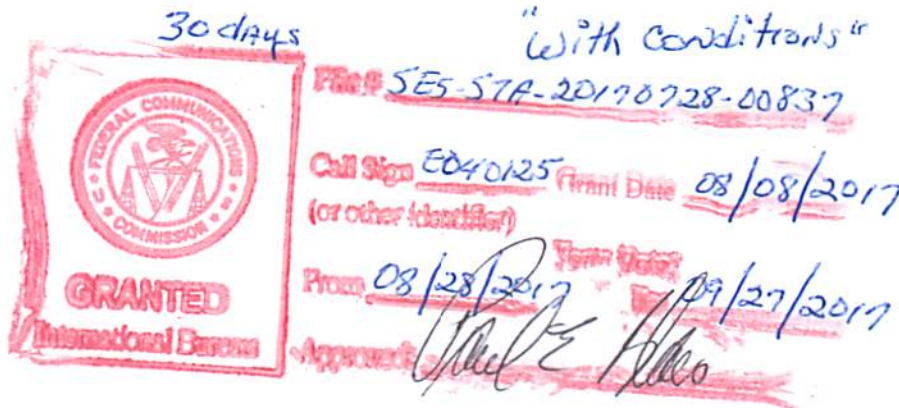
<b>Name:</b>	Intelsat License LLC	<b>Phone Number:</b>	703-559-7848
<b>DBA Name:</b>		<b>Fax Number:</b>	703-559-8539
<b>Street:</b>	c/o Intelsat Corporation 7900 Tysons One Place	<b>E-Mail:</b>	susan.crandall@intelsat.com
<b>City:</b>	McLean	<b>State:</b>	VA
<b>Country:</b>	USA	<b>Zipcode:</b>	22102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



Application: Intelsat License LLC  
File No.: SES-STA-20170728-00837  
Call Sign: E040125  
Special Temporary Authority

Intelsat License LLC is granted a special temporary authority for 30 days, under the following conditions, beginning August 28, 2017, to operate its C-band earth station, call sign E040125, in Riverside, California, to provide launch and early orbit phase (LEOP) services for the Indian Regional Navigational Satellite System (IRNSS-1H) satellite at 55° E.L. licensed by India, using the following frequencies: 6415 MHz and 6421.48 MHz (RHCP) (Earth-to-space) and 4194 MHz, and 4199.28 MHz (LHCP) (space-to-Earth). IRNSS-1H satellite expected to launched on August 28, 2017.

1. All operations must be within the coordinated emission and power limits.
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 IRNSS-1H satellite 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 shall be on an unprotected and non-harmful interference basis, Intelsat License LLC, E040125, shall not cause harmful interference to, and shall not claim protection from interference caused to it by any other lawfully operating station and it shall cease transmission(s) immediately upon notice of such interference.
4. Grant of this authorization is without prejudice to any determination that the Commission may make regarding pending or future Intelsat License LLC applications.
5. This special temporary authority can only be used to provide launch and early orbit phase ("LEOP") services for the IRNSS-1H satellite.
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.





**INTELSAT**

*Envision. Connect. Transform.*

July 28, 2017

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")<sup>1</sup> for 30 days, commencing August 28, 2017, 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") 1H satellite. IRNSS-1H is expected to be launched on August 28, 2017.<sup>2</sup> The LEOP period is expected to last approximately 10 days.<sup>3</sup>

The IRNSS-1H LEOP operations will be performed at the following frequencies: 6415.00 MHz and 6421.48 MHz in the uplink (RHCP), and 4194.0 MHz and 4199.28 MHz in the downlink (LHCP). The LEOP operations will be coordinated with all operators of satellites that use the same frequency bands and are in the LEOP path.<sup>4</sup> 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 IRNSS-1H 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 herewith attaches Exhibits A and B, which contains technical information that demonstrates that the operation of the earth station will be compatible with its

---

<sup>1</sup> Intelsat has filed its STA request, an FCC Form 159, a \$200.00 filing fee, and this supporting letter electronically via the International Bureau's Filing System ("IBFS").

<sup>2</sup> The permanent orbital location and in-orbit testing location for IRNSS-1H, which Intelsat understands is licensed by India, will be at 55.0° E.L.

<sup>3</sup> Intelsat is seeking authority for 30 days to accommodate a possible launch delay.

<sup>4</sup> Indian Space Research Organisation, the manager of the IRNSS-1H LEOP mission, will handle the coordination.

Ms. Marlene H. Dortch  
July 28, 2017  
Page 2

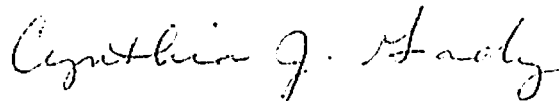
electromagnetic environment and will not cause harmful interference into any lawfully operating terrestrial facility and a waiver request. In the extremely unlikely event that harmful interference should occur due to transmissions to or from its earth station, Intelsat will take all reasonable steps to eliminate the interference.

Finally, Intelsat clarifies that during the IRNSS-1H launch, the Indian Space Research Organisation ("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-1H satellite. This, in turn, will help provide navigation services to India and neighboring areas from the 55.0° 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

**2. Contact**

<b>Name:</b>	Cynthia J. Grady	<b>Phone Number:</b>	703-559-6949
<b>Company:</b>	Intelsat Corporation	<b>Fax Number:</b>	703-559-8539
<b>Street:</b>	7900 Tysons One Place	<b>E-Mail:</b>	cynthia.grady@intelsat.com
<b>City:</b>	McLean	<b>State:</b>	VA
<b>Country:</b>	USA	<b>Zipcode:</b>	22102 -5972
<b>Attention:</b>		<b>Relationship:</b>	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 Nuevo

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: 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; margin: 5px 0;"> IntelSAT License LLC herein requests a grant of Special Temporary Authority for 30 days, commencing August 28, 2017, 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 1H satellite. </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
<b>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).</b>	

## **FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT**

The public reporting for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the required data, and completing and reviewing the collection of information. If you have any comments on this burden estimate, or how we can improve the collection and reduce the burden it causes you, please write to the Federal Communications Commission, AMD-PERM, Paperwork Reduction Project (3060-0678), Washington, DC 20554. We will also accept your comments regarding the Paperwork Reduction Act aspects of this collection via the Internet if you send them to [PRA@fcc.gov](mailto:PRA@fcc.gov). PLEASE DO NOT SEND COMPLETED FORMS TO THIS ADDRESS.

Remember – You are not required to respond to a collection of information sponsored by the Federal government, and the government may not conduct or sponsor this collection, unless it displays a currently valid OMB control number or if we fail to provide you with this notice. This collection has been assigned an OMB control number of 3060-0678.

**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.**