

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
Request for an Additional 30 Days of Special Temporary Authority to Use Riverside, California Earth Station E040125 to Provide LEOP Services for the GISAT-1 Satellite

1. Applicant

Name:	Intelsat License LLC	Phone Number:	703-559-7848
DBA Name:		Fax Number:	703-559-8539
Street:	c/o Intelsat US LLC 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-20200219-00174

Call Sign E Grant Date 02/25/2020
(or other identifier)

Term Dates
From: 02/25/2020 To: 08/25/2020

Approved: [Signature]



2. Contact	
Name: Cynthia J. Grady	Phone Number: 703-559-6949
Company: Intelsat US LLC	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? <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/Nuevo 8. Latitude (dd mm ss.s h) 33 47 45.1 N	

9. State CA	10. Longitude (dd mm ss.s h) 117 5 16.3 W
11. Please supply any need attachments. Attachment 1: Narrative Attachment 2: 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.) Intelsat License LLC herein requests an additional 30 days of Special Temporary Authority previously granted to Intelsat to use its Riverside, California C-band earth station (Call Sign E040125) to provide launch and early orbit phase services for the GISAT-1 satellite.	
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"; party to the application; for these purposes. Yes <input checked="" type="radio"/> No <input type="radio"/>	
14. Name of Person Signing Cynthia J. Grady	15. Title of Person Signing Senior Counsel, Intelsat US LLC
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.

Applicant: Intelsat License LLC
Call Sign: E040125
File No.: SES-STA-20200219-00174
Special Temporary Authority ("STA")



with conditions
File # SES-STA-20200219-00174
Call Sign E040125 Grant Date 02/25/2020
(or other identifier)
Term Dates
From: 02/25/2020 To: 03/25/2020
Approved: *Paul E. Hester*

Intelsat License LLC ("Intelsat") is granted special temporary authority for 30 days, beginning February 25, 2020, to operate its Riverside, California earth station to provide launch and early orbit phase ("LEOP") services with GISAT-1 satellite licensed by India, to be at 93.5° E.L. orbital location on center frequencies: 6423.208 MHz, and 6425.980 MHz (Earth-to-space); and 4199.145 MHz, and 4199.582 MHz (space-to-Earth) under the following conditions.

1. All operations shall be on an unprotected and non-harmful interference basis, Intelsat 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 and must inform the Commission, in writing, immediately of such an event.
2. All operators of satellites in that path will be provided with an emergency phone number where the licensee can be reached when harmful interference occurs. Currently the 24x7 contact information for the drift 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. Grant of this STA is without prejudice to any determination that the Commission may make regarding pending or future Intelsat applications.
4. Any action taken or expense incurred as a result of operations pursuant to this STA is solely at Intelsat License LLC's risk.
5. Intelsat's operations during the period of February 24, 2020 to the date of this grant were authorized pursuant to Section 1.62 of the Commission's rules 47 C.F.R. § 1.62.

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 upon release.



February 19, 2020

Ms. Marlene H. Dortch
Secretary
Federal Communications Commission
445 12th Street, SW
Washington, DC 20554

Re: **Request for Extension of Special Temporary Authority**
Riverside, California Earth Station; Call Sign E040125

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests an additional 30 days of Special Temporary Authority¹ ("STA") previously granted to Intelsat to use its Riverside, California C-band earth station (Call Sign E040125) to provide launch and early orbit phase ("LEOP") services for the GISAT-1 satellite.² Due to unexpected delays, GISAT-1 is now expected to launch on March 15, 2020.³ Intelsat expects the LEOP period to last approximately eight days.⁴

The GISAT-1 LEOP operations will be performed at the following frequencies: 6423.208 MHz and 6425.980 MHz in the uplink; and 4199.145 MHz and 4199.582 MHz in the downlink. 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.

The 24x7 contact information for the GISAT-1 LEOP mission is as follows:

Ph.: (703) 559-7701 – East Coast Operations Center (primary)
(310) 525-5591 – West Coast Operations Center (back-up)

¹ Intelsat has filed its STA request, FCC Form 159, a \$210.00 filing fee, and this supporting letter electronically via the International Bureau's Filing System.

² See *Satellite Communications Services Information, Actions Taken*, Report No. SES-02230, File No. SES-STA-20191126-01589 (Jan. 8, 2020) (Public Notice).

³ The in-orbit testing and final location for GISAT-1, which Intelsat understands is licensed by India, will be 93.5° E.L.

⁴ Intelsat is requesting 30 days of STA to accommodate further launch delays.

⁵ The Indian Space Research Organization ("ISRO"), the manager of the GISAT-1 mission, will handle the coordination.

Intelsat US LLC

7900 Tysons One Place, McLean, VA 22102-5972 USA | T +1 703-559-6800 | www.intelsat.com

Ms. Marlene H. Dortch
February 19, 2020
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Request to speak with Harry Burnham or Kevin Bell.

In further support of this request, Intelsat incorporates by reference Exhibits A and B of its original request,⁶ which contain a coordination report and waiver requests. 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 GISAT-1 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 extension request will allow Intelsat to help launch the GISAT-1 satellite. This will help provide services at the 93.5° E.L. location and thereby promotes the public interest.

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

Respectfully submitted,

/s/ Cynthia J. Grady
Cynthia J. Grady
Senior Counsel
Intelsat US LLC

cc: Paul Blais

⁶ See *supra* n. 2.