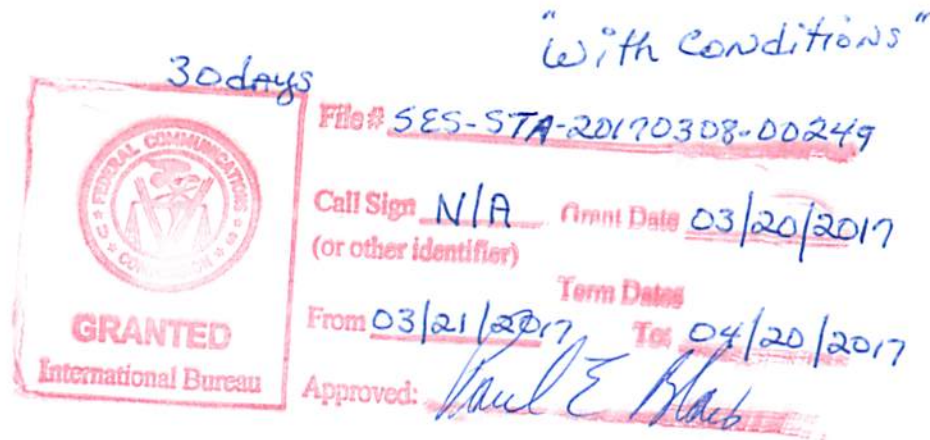


APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
Request for STA to Utilize a 9.2m Ka-band Antenna at Intelsat's Riverside Teleport for SGDC-1 Satellite LEOP

I. 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		




Applicant: Intelsat License LLC
File No.: SES-STA-20170308-00249
No Call Sign

Intelsat License LLC, is granted special temporary authority (STA), for 30 days, beginning on March 21, 2017, to operate a fixed earth station in Riverside, California using a 9.2 meter antenna to provide launch and early orbit phase services (LEOP) for the SGDC-1 satellite, licensed by Brazil, ^{as it proceeds, etc} to the 74.35° W.L orbital location on center frequencies: 29220 MHz and 29240 MHz (Earth-to-space) and 19160.0 MHz and 19163.0 MHz (space to Earth) under the following conditions:

1. Operations under this authority are on a non-interference basis only.
2. Operations under this authority are on a non-protected basis only.
3. In the event of any harmful interference under this grant of special temporary authority, Intelsat License LLC must cease operations immediately upon notification of such interference, and must inform the Commission, in writing, immediately of such an event.
4. Intelsat License LLC must notify the Iridium network operator of operations on the 29220 MHz and 29240 MHz (Earth-to-space) frequencies, coordinate as needed, and provide them the 24x7 contact information for the SGDC-1 LEOP mission: 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.
5. Any action taken or expense incurred as a result of operations pursuant to this special temporary authority is solely at Intelsat License LLC's risk.
6. This action is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.P.R. §0.261, and is effective immediately.

30 days *"with condition"*

 GRANTED International Bureau	File# <u>SES-STA-20170308-00249</u>
	Call Sign <u>N/A</u> Grant Date <u>03/20/2017</u> (or other identifier)
	Term Dates From <u>03/21/2017</u> To <u>04/20/2017</u>
	Approved: <u>Paul E. Hines</u>



INTELSAT

Envision. Connect. Transform.

March 8, 2017

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

Re: Request for Special Temporary Authority
9.2m Ka-band Antenna, Riverside, California

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests a grant of Special Temporary Authority ("STA")¹ for 30 days, commencing March 21, 2017, to utilize a 9.2m Ka-band antenna located at its Riverside, California teleport to provide launch and early orbit phase ("LEOP") services for the SGDC-1 satellite. SGDC-1 is expected to be launched on March 21, 2017.² The LEOP period is expected to last approximately 10 days.³

The SGDC-1 LEOP operations will be performed in the following frequency bands: 29220.0 MHz (RHCP) and 29240.0 MHz (LHCP) in the uplink, and 19160.0 MHz and 19163.0 MHz in the downlink (RHCP). 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 SGDC-1 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-C, 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 requests.

¹ 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").

² The permanent orbital location for SGDC-1, which Intelsat understands is licensed by Brazil, will be 74.85° W.L. The in-orbit testing location will be 74.35° W.L.

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

⁴ Thales Alenia Space ("Thales"), the manager of the SGDC LEOP mission, will handle the coordination.

Ms. Marlene H. Dortch
March 8, 2017
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Finally, Intelsat clarifies that during the SGDC-1 LEOP mission, Thales will serve as the mission manager. Thales 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 Thales. 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 SGDC-1 satellite. This, in turn, will help provide additional capacity at the 74.85° W.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

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 Nuevo

8. Latitude
(dd mm ss.s h) 33 47 42.7 N

9. State CA	10. Longitude (dd mm ss.s h) 117 5 22.5 W
11. Please supply any need attachments. Attachment 1: STA Request Attachment 2: Exhibits A – C 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; margin: 10px 0;"> IntelSAT License LLC herein requests a grant of Special Temporary Authority for 30 days, commencing March 21, 2017, to utilize a 9.2m Ka-band antenna located at its Riverside, California teleport to provide launch and early orbit phase services for the SGDC-1 satellite. SGDC-1 is expected to be launched on March 21, 2017. The LEOP period is </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. <input checked="" type="radio"/> Yes <input type="radio"/> No	
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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12. Description

Intelsat License LLC herein requests a grant of Special Temporary Authority for 30 days, commencing March 21, 2017, to utilize a 9.2m Ka-band antenna located at its Riverside, California teleport to provide launch and early orbit phase services for the SGDC-1 satellite. SGDC-1 is expected to be launched on March 21, 2017. The LEOP period is expected to last approximately 10 days.