

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

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

**1. 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		


*30 days*      *"Extension with conditions"*

**File #** SES-STA-20170412-00378

**Call Sign** N/A      **Grant Date** 04/27/2017  
(or other identifier)

**Term Dates**  
**From** 04/26/2017      **To** 05/26/2017

**Approved:** Paul E. Klay




Applicant: Intelsat License, LLC  
File No.: SES-STA-20170412-00378  
Call Sign: None  
Special Temporary Authority

Intelsat License LLC is granted special temporary authority extension from SES-STA-20170308-00249 for 30 days, beginning on April 26, 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- I satellite, licensed by Brazil as to proceed to the 74.35° W.L. orbital location on center frequencies: 29220.0 MHz and 29240.0 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-I 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. Operations during the period April 20, 2017 to the date of this grant were authorized pursuant to Section 1.62 of the Commission's rules 47 C.F. R. § 1.62.
7. 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*      *"Extension with conditions"*

 <b>GRANTED</b> International Bureau	File # <u>SES-STA-20170412-00378</u>
	Call Sign <u>N/A</u> Grant Date <u>04/27/2017</u> (or other identifier)
	Term Dates From <u>04/26/2017</u> To <u>05/26/2017</u>
	Approved: <u>Paul E. Flores</u>



**INTELSAT.**

*Envision. Connect. Transform.*

April 11, 2017

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

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

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests an additional 30 days of Special Temporary Authority ("STA")<sup>1</sup> previously granted Intelsat 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.<sup>2</sup> As a result of a launch delay, SGDC-1 is now scheduled to be launched no earlier than April 14, 2017.<sup>3</sup> The LEOP period is expected to last approximately 10 days.<sup>4</sup>

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.<sup>5</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 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.

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<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> See *Satellite Communications Services Information; Actions Taken*, Report No. SES-01941, File No. SES-STA-20170308-00249 (Mar. 22, 2017) (Public Notice).

<sup>3</sup> 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.

<sup>4</sup> Intelsat is seeking authority for an additional 30 days to accommodate further launch delays.

<sup>5</sup> Thales Alenia Space ("Thales"), the manager of the SGDC LEOP mission, will handle the coordination.

Ms. Marlene H. Dortch  
April 11, 2017  
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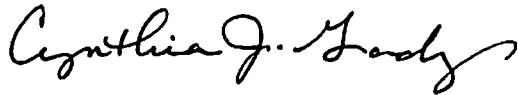
In further support of this request, Intelsat incorporates by reference Exhibits A-C submitted with its original STA request, which contain technical information that demonstrates that the operation of the earth station will be compatible with its electromagnetic environment and will not cause harmful interference into any lawfully operating terrestrial facility, as well as a waiver requests.

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 extension 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**

<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. CityNuevo

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:                      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 an additional 30 days of Special Temporary Authority previously granted Intelsat 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. As a result of a launch delay, SGDC-1 is now scheduled to be launched no</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 an additional 30 days of Special Temporary Authority previously granted Intelsat 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. As a result of a launch delay, SGDC-1 is now scheduled to be launched no earlier than April 14, 2017.