

Approved: _____
From: _____
To: _____
Form Dates _____
(for other identifier)
Call sign _____ Grant Date _____
The # _____



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 30-Day STA Extension Using Riverside, CA Earth Station E040125 for StarOne-D1 LEOP

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		



File # SES-STA-20170116-00054
E040125
 Call Sign _____ Grant Date 1-26-17
 (or other identifier)
 Term Dates
 From: 1-26-17 To: 2-25-17
 Approved: [Signature]

REVISED



Handwritten: 10/1/77

Date of Issue
(or other date)
Serial No. _____ Class No. _____
File # _____

Applicant: Intelsat License LLC
File No.: SES-STA-20170116-00054
Call Sign: E040125
Special Temporary Authority (STA)



File # SES-STA-20170116-00054
E040125
Call Sign _____ Grant Date 1-26-17
(or other identifier)
Term Dates
From: 1-26-17 To: 2-25-17
Approved: Paul E. [Signature]

Intelsat License LLC (Intelsat) is granted a special temporary authority, extension from SES-STA-20161207-00935, for 30 days, beginning January 26, 2017, to operate its fixed earth station in Riverside, California, call-sign E040125, to provide launch and early orbit phase (LEOP) services for StarOne-D1 satellite licensed by Brazil and provide telemetry, tracking, and command (TT&C) functions during the in-orbit testing (IOT) and drift to its final location of 84° W.L., using the following center frequencies: 6424.5 MHz and 6422.5 MHz (Earth-to-space), and 4198.5 MHz and 4199.0 MHz (space-to-Earth). The in-orbit testing location will be permanent orbital location 84 ° W.L. The LEOP and TT&C operations during the IOT will be under the following conditions:

1. All operations must be within the coordinated emission and power limits.
2. During the drift to the satellite's permanent orbital location 84° W.L., Intelsat will coordinate with operators of co-frequency satellites in the drift path.
3. All operators of satellites 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 StarOne-D1 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.
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 under this grant of STA, Intelsat License LLC, E040125, must cease operations immediately upon notification of such interference and must inform the Commission, in writing, immediately of such an event.
6. Grant of this authorization is without prejudice to any determination that the Commission may make regarding pending or future Intelsat License LLC applications.
7. Operations during the period December 20, 2016 to the date of this grant were authorized pursuant to Section 1.62 of the Commission's rules 47 C.F. R. § 1.62.
8. Any action taken or expense incurred as a result of operations pursuant to this STA is solely at Intelsat License LLC's risk.
9. 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.



INTELSAT.

Envision. Connect. Transform.

January 13, 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
Riverside, California Earth Station E040125

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests an additional 30 days of Special Temporary Authority (“STA”)¹ previously granted Intelsat to use its Riverside, California C-band earth station—call sign E040125—to provide launch and early orbit phase (“LEOP”) services for the StarOne-D1 satellite, and back-up telemetry, tracking, and command (“TT&C”) services during the Ka-band in-orbit testing (“IOT”) period for the StarOne-D1 satellite.² StarOne-D1 was launched on December 21, 2016.³ The LEOP and Ka-band IOT periods are expected to last approximately fifteen and eight days, respectively.⁴

The StarOne-D1 LEOP operations will continue to be performed at the following frequencies: 6424.5 MHz and 6422.5 MHz in the uplink (RHCP or Vertical), and 4198.5 MHz and 4199.0 MHz in the downlink (LHCP or Horizontal). The LEOP operations will continue to 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 StarOne-D1 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.

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 See *Satellite Communications Services Information: Actions Taken*, Report No. SES-01914, File No. SES-STA-20161207-00935 (Dec. 21, 2016) (Public Notice).

³ The in-orbit testing location and permanent orbital location for StarOne-D1, which Intelsat understands is licensed by Brazil, will be at 84.0° W.L.

⁴ Intelsat is seeking authority for an additional 30 days to accommodate the IOT schedule.

⁵ SSL, the manager of the StarOne-D1 mission, will handle the coordination.

Ms. Marlene H. Dortch
January 13, 2017
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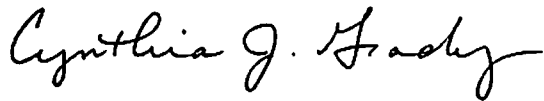
In further support of this extension request, Intelsat incorporates by reference Exhibits A and B, which contain technical information that demonstrates that the operation of the earth station will be compatible with its electromagnetic environment and will not cause harmful interference into any lawfully operating terrestrial facility, as well as a waiver 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 StarOne-D1 launch, SSL will continue to serve as the mission manager. SSL 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 SSL. 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 and test the StarOne-D1 satellite. This, in turn, will help provide services in South America from the 84.0° 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 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: 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 use its Riverside, California C-band earth station, call sign E040125, to provide launch and early orbit phase services for the StarOne-D1 satellite, and back-up telemetry, tracking, and command services during the Ka-band in-</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 use its Riverside, California C-band earth station, call sign E040125, to provide launch and early orbit phase services for the StarOne-D1 satellite, and back-up telemetry, tracking, and command services during the Ka-band in-orbit testing period for the StarOne-D1 satellite.