

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
Request for Special Temporary Authority Using Riverside, California Earth Station E040125

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 | | |



File # SES-STA-20150612-00361

Call Sign E040125 Grant Date 07/07/2015
(or other identifier)

Term Dates
From 07/08/2015 To 08/06/2015

Approved: Paul E. Jones

"with conditions"

Applicant: Intelsat License LLC
Call Sign: E040125
File No.: SES-STA-20150612-00361
Special Temporary Authority (STA)

Intelsat License LLC ("Intelsat") is granted a Special Temporary Authority (STA), for 30 days, beginning July 8, 2015, to use its Nuevo, California C-band earth station, Call Sign E040125, to provide launch and early orbit phase (LEOP) services for StarOne-C4 satellite licensed by Brazil to its in-orbit test location at 70.0° W.L. on the center frequencies: (Earth-to-space) 6420.5 MHz and 6422.5 MHz (RHCP), and (space-to-Earth) 4198.5 MHz and 4199.5 MHz (LHCP), under the following conditions:

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 StarOne-C4 satellite LEOP mission is as follows: Ph.: (703) 559-7701 –East Coast Operations Center (primary); (310) 525-5591- West Coast Operations Center (back-up). Requests to speak with Harry Burnham or Kevin Bell.
3. 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.
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 STA can only be used to provide launch and early orbit phase ("LEOP") services for the StarOne-C4 satellite.
6. Any action taken or expense incurred as a result of operations pursuant to this STA is solely at Intelsat License LLC's risk.

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.


30 days *"with conditions"*

File # SES-STA-20150612-00361

Call Sign E040125 Grant Date 07/07/2015
(or other identifier)

From 07/08/2015 Term Dates To 08/06/2015

Approved: *Paul E. [Signature]*





INTELSAT.

Envision. Connect. Transform.

June 8, 2015

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”)¹ for 30 days, commencing July 8, 2015, to use its Riverside, California C-band earth station—call sign E040125—to provide launch and early orbit phase (“LEOP”) services for the StarOne-C4 satellite. StarOne-C4 is expected to be launched July 8, 2015.² The LEOP period is expected to last approximately 10 days.³

The StarOne-C4 LEOP operations will be performed in the following frequency bands: 6420.50 MHz and 6422.50 MHz in the uplink (RHCP), and 4198.5 MHz and 4199.5 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.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 StarOne-C4 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 hereby attaches Exhibits A and B, which contain technical information that demonstrates that the operation of the earth station will be compatible with its

¹ Intelsat has filed its STA request, an FCC Form 159, a \$195.00 filing fee, and this supporting letter electronically via the International Bureau’s Filing System (“IBFS”).

² The permanent orbital location and the in-orbit testing location for StarOne-C4, which Intelsat understands is licensed by Brazil, will be at 70.0° W.L.

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

⁴ Space Systems Loral (“SSL”), the manager of the StarOne-C4 LEOP mission, will handle the coordination.

Ms. Marlene H. Dortch
June 8, 2015
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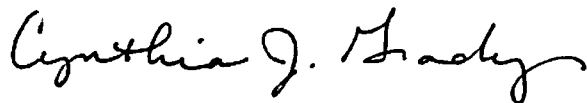
electromagnetic environment and will not cause harmful interference into any lawfully operating terrestrial facility, as well as a waiver request. Intelsat also notes that for purposes of the StarOne-C4 LEOP mission, it is seeking to operate in the frequencies listed in the request at power levels not to exceed 31.9 dBW. The technical information submitted with this STA request reflects a power level as high as 34.0 dBW because Intelsat might operate at this level in the event an emergency necessitates the use of a higher power level in order to command the satellite. 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-C4 LEOP mission, SSL will 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 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 StarOne-C4 satellite. This, in turn, will help ensure continuity of service at the 70.0° 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

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| 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 -7972 |
| 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 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: 10px 0;">Intelsat License LLC herein requests a grant of Special Temporary Authority for 30 days, commencing July 8, 2015, to use its Riverside, California C-band earth station, call sign E040125, to provide launch and early orbit phase services for the StarOne-C4 satellite. StarOne-C4 is expected to be launched July 8, 2015.</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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