

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 Using Fillmore, California Earth Station E4132

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 | | |

"30 days" Extension with conditions



File # SES-STA-20150325-00181

Call Sign E4132 Grant Date 04/01/2015
(or other identifier)

Term Dates
From 04/22/2015 To: 05/01/2015

Approved: [Signature]


Applicant: Intelsat License LLC
File No.: SES-STA-20150325-00181
Call Sign: E4132

Intelsat License LLC is granted a STA extension from SES-STA-20150303-00107, for 30 days, beginning April 2, 2015, to operate its earth station, Call Sign E4132, located in, Fillmore, California, to provide launch and early orbit phase services for the ABS-3 satellite, licensed and registered by Papua New Guinea, as it travels to its permanent orbital location 3.0° W.L. Communications will be on the following center frequencies: 6420 MHz and 6425 MHz (LHCP) in the (Earth-to-space) and 4194.5 MHz and 4197.0 MHz (LHCP) in the (space-to-Earth) and under the following conditions:

1. Intelsat License LLC will coordinate with operators of co-frequency satellites in the drift path.
2. Operations in the uplink frequencies will be within the coordinated parameters of the antenna's current license.
- 3 Operations, 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.
4. Grant of this authorization is without prejudice to any determination that the Commission may make regarding pending or future Intelsat License LLC's applications.
5. Any action taken or expense incurred as a result of operations pursuant to this STA is solely at Intelsat License LLC's risk.

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 immediately.

"30 days" *EXTENSION WITH CONDITIONS*

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|---|--|
|  GRANTED International Bureau | File # <u>SES-STA-20150325-00181</u> |
| | Call Sign <u>E4132</u> Grant Date <u>04/01/2015</u> (or other identifier) |
| | Term Dates From <u>04/02/2015</u> To: <u>05/01/2015</u> |
| | Approved: <u>Paul E. Peltier</u> |
| | |

March 25, 2015

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

Re: Request for Extension of Special Temporary Authority
Fillmore, California Earth Station E4132

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests a thirty-day extension—through May 1, 2015—of the Special Temporary Authority (“STA”)¹ previously granted Intelsat to use its Fillmore, California C-band earth station—call sign E4132—to provide launch and early orbit phase (“LEOP”) services for the ABS-3A satellite.² ABS-3A was successfully launched March 1, 2015.³ The LEOP period is expected to last approximately 240 days,⁴ and the ABS-3A LEOP operations will continue to be performed in the following frequency bands: 6420.00 MHz and 6425.00 MHz in the uplink (LHCP), and 4194.5 MHz and 4197.0 MHz in the downlink (LHCP).

In further support of this extension request, Intelsat incorporates by reference Exhibit A which contains a waiver request submitted with its original STA request and the technical information provided in a supplement dated March 6, 2015.⁵ The provided technical information 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. In the extremely unlikely event that harmful

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 See *Satellite Communications Services Information; Actions Taken*, Report No. SES-01731, File No. SES-STA-20150303-00107 (Mar. 11, 2015) (Public Notice).

³ The permanent orbital location for ABS-3A, which Intelsat understands is licensed by Papua New Guinea, will be at 3° W.L. The in-orbit testing location will be 3° W.L.

⁴ Intelsat is also seeking authority for 180 days to accommodate the longer orbit-raising time period required for an electric propulsion satellite. See *Satellite Communications Services; Satellite Radio Applications Accepted for Filing*, Report No., File No. SES-STA-20150303-00108 (Mar. 11, 2015) (Public Notice).

⁵ See Letter from Cynthia J. Grady, Counsel for Intelsat License LLC, to Ms. Marlene H. Dortch, FCC, File Nos. SES-STA-20150303-00107& SES-STA-20150303-00108 (Mar. 6, 2015).

Ms. Marlene H. Dortch
March 25, 2015
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interference should occur due to transmissions to or from its earth station, Intelsat will take all reasonable steps to eliminate the interference.

During the ABS-3A LEOP mission, Boeing will continue to serve as the mission manager. Boeing 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 Boeing. Intelsat will continue to 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 ABS-3A satellite. This, in turn, will result in the provision of VSAT, TV distribution, IP trunking, cellular backhaul, and maritime services from the 3° W.L. orbital location and thereby promotes the public interest.

For these reasons set forth herein, Intelsat respectfully requests that the Commission grant this extension request.

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: | Susan H. Crandall |
| Company: | Intelsat Corporation |
| Street: | 7900 Tysons One Place |
| City: | McLean |
| Country: | USA |
| Attention: | |
| Phone Number: | 703-559-7848 |
| Fax Number: | 703-559-8539 |
| E-Mail: | susan.crandall@intelsat.com |
| State: | VA |
| Zipcode: | 22102 -5972 |
| 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 Fillmore | |
| 8. Latitude (dd mm ss.s h) 34 24 22.0 N | |

| | |
|---|---|
| 9. State CA | 10. Longitude (dd mm ss.s h) 118 53 34.0 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;"> <p>Intelsat License LLC herein requests a thirty-day extension, through May 1, 2015, of the Special Temporary Authority previously granted Intelsat to use its Fillmore, California C-band earth station, call sign E4132, to provide launch and early orbit phase services for the ABS-3A satellite. ABS-3A was successfully launched March 1, 2015.</p> </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. Yes <input checked="" type="radio"/> No <input type="radio"/> | |
| 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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