

E4132 SES-STA-20150303-00108 IE2015000397
Intelsat License LLC

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 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		

180 days
"With Conditions"

File # SES-STA-20150303-00108

Call Sign E4132 Grant Date 04/14/2015
(or other identifier)

Term Dates
From 04/14/2015 To 10/12/2015

Approved: Susan H. Crandall



Applicant: Intelsat License LLC
File No.: SES-STA-20150303-00108
Call Sign: E4132


Intelsat License LLC is granted special temporary authority, for 180 days, from April 14, 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.

"with conditions"

180 days



File# SES-STA-20150303-00108

Call Sign E4132 Grant Date 04/14/2015
(or other identifier)

Term Dates
From 04/14/2015 To: 10/12/2015

Approved: Paul E. Adams

2. Contact			
Name:	Susan H. Crandall	Phone Number:	703-559-7848
Company:	Intelsat Corporation	Fax Number:	703-559-8539
Street:	7900 Tysons One Place	E-Mail:	susan.crandall@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?			
<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: 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;"> <p>Intelsat License LLC herein requests a grant of Special Temporary Authority for 180 days, commencing upon grant, 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.</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.	<p style="text-align: center;">Yes <input checked="" type="radio"/> No <input type="radio"/></p>
14. Name of Person Signing Cynthia J. Grady	15. Title of Person Signing Regulatory Counsel, Intelsat Corporation
<p style="text-align: center;">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).</p>	

FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

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THE FOREGOING NOTICE IS REQUIRED BY THE PAPERWORK REDUCTION ACT OF 1995, PUBLIC LAW 104-13, OCTOBER 1, 1995, 44 U.S.C. SECTION 3507.

March 3, 2015

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

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

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests a grant of Special Temporary Authority (“STA”)¹ for 180 days, commencing upon grant, 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. ABS-3A launched on March 1, 2015.² The LEOP period is expected to last approximately 160 days.³

The ABS-3A LEOP operations will be performed in the following frequency bands: 6420.00 MHz and 6425.0 MHz in the uplink (LHCP), and 4194.5 MHz and 4197.0 MHz in the downlink (LHCP).⁴ The LEOP operations will 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 ABS-3A LEOP mission is as follows:

Ph.: (703) 559-7701 – East Coast Operations Center (primary)
(310) 525-5591 – West Coast Operations Center (back-up)

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 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.

³ Intelsat is seeking authority for 180 days to accommodate the longer orbit-raising time period required for an electric propulsion satellite.

⁴ Intelsat previously filed a 180-day STA for the frequencies 6020.00 MHz and 6025.00 MHz in the uplink (LHCP), and 4194.5 MHz and 4197.0 MHz in the downlink (LHCP). *See Satellite Communications Services Information; Actions Taken*, Report No. SES-01723, File No. SES-STA-20141217-00904 (Feb. 4, 2015) (Public Notice). Subsequent to launch, Intelsat discovered the ABS-3A satellite frequencies provided by its customer were incorrect. On March 2, 2015 Intelsat received verbal authorization for, and filed a new, expedited 30-day STA request for the correct frequencies. *See Intelsat License LLC Request for Special Temporary Authority, Fillmore, California Earth Station E4132*, File No. SES-STA-INTR2015-00382 (filed Mar. 2, 2015).

⁵ Intelsat will handle the coordination.

Ms. Marlene H. Dortch
March 3, 2015
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Request to speak with Harry Burnham or Kevin Bell.

In further support of this request, Intelsat hereby attaches Exhibit A and B, the Prior Coordination Notice, and a waiver request. Intelsat shortly will provide technical information demonstrating 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 prior to launch. 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. Intelsat also notes that for purposes of the ABS-3A LEOP mission, it is seeking to operate in the frequencies listed in the request at power levels not to exceed 25.5 dBW.

Finally, Intelsat clarifies that during the ABS-3A LEOP mission, Boeing will 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 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.

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