

E040174 SES-STA-20150204-00061 IB2015000222
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:
E040174 Eutelsat-115WB 30-Day STA Request

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		

30 days "With Conditions"
File # SES-STA-20150204-00061
Call Sign E040174 Grant Date 03/27/2015
(or other identifier) Term Dates
From 03/13/2015 To 04/11/2015
Approved: [Signature]



GRANTED
International Bureau

Applicant: Intelsat License LLC
Call Sign: E040174
File No.: SES-STA-20150204-00061
Special Temporary Authority (STA)



File# SES-STA-20150204-00061
Call Sign E040174 Grant Date 02/27/2015
(or other identifier)
Term Dates
From 03/13/2015 To 04/11/2015
Approved: Paul E. Hines

Intelsat License LLC (“Intelsat”) is granted STA, under the following conditions, for 30 days for earth station E040174 at Castle Rock, CO at 39° 16’ 33.00” NL/104° 48’ 34.0” W.L. to provide launch and early orbit phase (LEOP) services for Eutelsat-115WB satellite at permanent orbital location 114.9° W.L., licensed by the Mexican administration. The in-orbit testing location will be 114.9° E.L. The launch is expected to be no earlier than February 27, 2015.

1. Uplink (Earth-to-space) frequencies will be on 6423.5 MHz and 6421.5 MHz (LHCP) within the coordinated emission and power limits.
2. Downlink (space-to-Earth) frequencies will be on 4199.0 MHz and 4199.8 MHz (LHCP).
3. 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 Eutelsat-115WB satellite 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.
4. Grant of this STA is without prejudice to any determination that the Commission may make regarding pending or future Intelsat License LLC applications.
5. All operations under this grant of STA shall be on an unprotected and non-harmful interference basis. Intelsat’s E040174 shall not cause harmful interference to, and shall not claim protection from interference caused to it by, any other lawfully operating radio communication system.
6. In the event of any harmful interference as a result of operations under this grant of STA, Intelsat shall cease operations immediately upon notification of such interference and shall immediately inform the Commission, in writing, of such an event.
7. 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.



INTELSAT.

Envision. Connect. Transform.

February 4, 2015

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

Re: Request for Special Temporary Authority
Castle Rock, Colorado Earth Station E040174

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests a grant of Special Temporary Authority (“STA”)¹ for 30 days, commencing March 13, 2015, to use its Castle Rock, Colorado C-band earth station—call sign E040174—to provide launch and early orbit phase (“LEOP”) services for the Eutelsat-115WB satellite.² Eutelsat-115WB is expected to be launched no earlier than February 27, 2015. The LEOP period is expected to last approximately 240 days.³

The Eutelsat-115WB LEOP operations will be performed in the following frequency bands: 6423.5 MHz and 6421.5 MHz in the uplink (LHCP), and 4199.0 MHz and 4199.8 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 Eutelsat-115WB 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.

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 Eutelsat-115WB, which Intelsat understands is licensed by Mexico, will be at 114.9° W.L. The in-orbit testing location will be 114.9° E.L.

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

⁴ Intelsat will handle the coordination.

Ms. Marlene H. Dortch
February 4, 2015
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In further support of this request, Intelsat hereby attaches Exhibit A and B, the Prior Coordination Notice and a waiver request. Intelsat 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 Eutelsat-115WB 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 Eutelsat-115WB 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 Eutelsat-115WB satellite. This, in turn, will help ensure continuity of service at the 114.9° 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: 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: 20008 -3006
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/Castle Rock	
8. Latitude (dd mm ss.s h) 39 16 33.0 N	

9. State CO	10. Longitude (dd mm ss.s h) 104 48 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 30 days, commencing March 13, 2015, to use its Castle Rock, Colorado C-band earth station, call sign E040174, to provide launch and early orbit phase services for the Eutelsat-115WB satellite. Eutelsat-115WB is expected to be launched no earlier than February 27, 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.	
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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