

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 to Utilize a 9.2m Ka-band Antenna at Intelsat's Riverside Teleport

1. Applicant

<b>Name:</b>	Intelsat License LLC	<b>Phone Number:</b>	703-559-7848
<b>DBA Name:</b>		<b>Fax Number:</b>	703-559-8539
<b>Street:</b>	c/o Intelsat Corporation 7900 Tysons One Place	<b>E-Mail:</b>	susan.crandall@intelsat.com
<b>City:</b>	McLean	<b>State:</b>	VA
<b>Country:</b>	USA	<b>Zipcode:</b>	22102 -5972
<b>Attention:</b>	Susan H. Crandall		

30 days "with conditions"



File # SES-STA-20141106-00842

Call Sign N/A Grant Date 12/03/2014  
(or other identifier)

Term Dates From 12/04/2014 To 01/04/2015

Approved: Susan H. Crandall

Applicant: Intelsat License LLC  
Call Sign: N/A  
File No.: SES-STA-20141106-00842  
Special Temporary Authority (STA)

Intelsat License LLC is granted, under the following conditions, STA, for 30 days, to begin December 4, 2014 to a 9.2 meter antenna in Nuevo, CA, at 33 degrees 47 minutes, 42.7 seconds west longitude, 117 degrees, 5 minutes 22.5 seconds north latitude to provide launch and early orbit phase (LEOP) services to the DIRECTV-14 satellite, call sign S2869.

1. Operations are limited to the 28.351 GHz and 28.353 GHz in the uplink (LHCP), and 18.7995 GHz and 18.799 GHz in the downlink (LHCP) within the coordinated parameters of the earth station and space station.

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 DIRECTV-14 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.

3. Operations under this STA shall be in accordance with the DirectTV-14 IOT plan that was provided to the Air Force Spectrum Management Office.

4. Stop buzzer POCs, Mr. Harry Burnham or Mr. Kevin Bell at (703) 559-7701 & (310) 525-5591 should be available while these frequencies are being used.

5. This STA is to support the single launch and early orbit phase services to the DIRECTV-14 satellite. This STA will expire January 4, 2015. Any future requests or extensions will need to submit applications to the FCC to be re-coordinated with NTIA.

6. All operations shall be on an unprotected and non-harmful interference basis. Intelsat License LLC, 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.

7. In the event that there is a report of interference, Intelsat must immediately terminate transmissions and notify the FCC in writing.

8. Grant of this authorization is without prejudice to any determination that the Commission may make regarding pending or future Intelsat License LLC applications.


9. Intelsat must make all reasonable and customary measures to ensure that the temporary earth station does not create a potential for harmful non-ionizing radiation to persons who may be in the vicinity of the earth station when it is in operation. Are not exposed to the maximum

permissible exposure limits required by 47 C.F.R. § 1.1310. This shall be accomplished by means of signs, caution tape, verbal warnings, placement of the earth station so as to minimize access to the hazardous region, and/or other appropriate means.

10. 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

"With conditions"



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Term Dates  
From 12/04/2014 To: 01/04/2015

Approved: Paul E. Blair

<b>2. Contact</b>			
<b>Name:</b>	Susan H. Crandall	<b>Phone Number:</b>	703-559-7848
<b>Company:</b>	Intelsat Corporation	<b>Fax Number:</b>	703-559-8539
<b>Street:</b>	7900 Tysons One Place	<b>E-Mail:</b>	susan.crandall@intelsat.com
<b>City:</b>	McLean	<b>State:</b>	VA
<b>Country:</b>	USA	<b>Zipcode:</b>	22102 -5972
<b>Attention:</b>	Susan H. Crandall	<b>Relationship:</b>	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 42.7 N			

9. State CA	10. Longitude (dd mm ss.s h) 117 5 22.5 W
11. Please supply any need attachments. Attachment 1: STA Request Attachment 2: Exhibit A Attachment 3: 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.) Intelsat License LLC herein requests Special Temporary Authority for 30 days commencing December 4, 2014 to utilize a 9.2m Ka-band antenna located at its Riverside, CA teleport to provide launch and early orbit phase services to the DIRECTV-14 satellite, which is scheduled to be launched on December 4, 2014.	
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"; party to the application; party to the application; party to the application. 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).	

**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.**

November 3, 2014

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

Re: Request for Special Temporary Authority  
9.2m Ka-band Antenna, Riverside, California

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests Special Temporary Authority (“STA”)<sup>1</sup> for 30 days commencing December 4, 2014 to utilize a 9.2m Ka-band antenna located at its Riverside, CA teleport to provide launch and early orbit phase (“LEOP”) services to the DIRECTV-14 satellite, which is scheduled to be launched on December 4, 2014.<sup>2</sup>

The DIRECTV-14 LEOP operations will be performed in the following frequency bands: 28.351 GHz and 28.353 GHz in the uplink (LHCP), and 18.7995 GHz and 18.799 GHz 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.<sup>3</sup> 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 DIRECTV-14 LEOP mission is as follows:

Ph.: (703) 559-7701 – East Coast Operations Center (primary)  
(310) 525-5900 – West Coast Operations Center (back-up)

Request to speak with Harry Burnham or Kevin Bell.

In further support of this request, Intelsat hereby attaches Exhibit A, which contains technical information that demonstrates that the operation of the earth station will be compatible with its

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<sup>1</sup> 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”).

<sup>2</sup> DIRECTV-14 will be in-orbit tested at 76.0° W.L. and the satellite’s permanent orbital location will be 99.235° W.L. The satellite is licensed by the United States. See *Policy Branch Information; Actions Taken*, Report No. SAT-00917, File No. SAT-LOA-20120518-00085 (Dec. 7, 2012) (Public Notice).

<sup>3</sup> Space Systems Loral, the manufacturer of the DIRECTV-14 satellite and the manager of its LEOP mission, will do the coordination.

Ms. Marlene H. Dortch  
November 3, 2014  
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electromagnetic environment and will not cause harmful interference into any lawfully operating terrestrial facility. 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 DIRECTV-14 LEOP mission, it is seeking to operate in the frequencies listed in this request at power levels not to exceed 26.0 dBW.

Grant of this STA request will enable Intelsat to help launch the DIRECTV-14 satellite. This will serve the public interest by providing additional service to consumers in the United States.

Please direct any questions regarding this STA request to the undersigned at (703) 559-6949.

Respectfully submitted,

A handwritten signature in blue ink that reads "Cynthia J. Grady". The signature is written in a cursive, flowing style.

Cynthia J. Grady  
Regulatory Counsel  
Intelsat Corporation

cc: Paul Blais