

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 Further Extension of STA to Operate a 9.2m Ka-band Antenna at Intelsat's Riverside Teleport

I. Applicant

<b>Name:</b>	Intelsat License LLC	<b>Phone Number:</b>	202-944-7848
<b>DBA Name:</b>		<b>Fax Number:</b>	202-944-7870
<b>Street:</b>	c/o Intelsat Corporation 3400 International Drive, N.W.	<b>E-Mail:</b>	susan.crandall@intelsat.com
<b>City:</b>	Washington	<b>State:</b>	DC
<b>Country:</b>	USA	<b>Zipcode:</b>	20008 -3006
<b>Attention:</b>	Susan H. Crandall		



File # SES-STA-20120809-00741  
 Call Sign none Grant Date 8/10/2012  
 (or other identifier)  
 Term Dates  
 From 8/14/2012 To: 9/13/2012  
 Approved: Paul E. Blawie

<b>2. Contact</b>	
<b>Name:</b> Susan H. Crandall	<b>Phone Number:</b> 202-944-7848
<b>Company:</b> Intelsat Corporation	<b>Fax Number:</b> 202-944-7870
<b>Street:</b> 3400 International Drive, N.W.	<b>E-Mail:</b> susan.crandall@intelsat.com
<b>City:</b> Washington	<b>State:</b> DC
<b>Country:</b> USA	<b>Zipcode:</b> 20008 -3006
<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. CityNuevo	
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: 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 an additional 30 days, from August 15, 2012 through September 13, 2012, of the Special Temporary Authority previously granted to IntelSAT to utilize a 9.2m Ka-band antenna located at its Riverside, CA teleport to provide launch and early orbit phase services, as well as provide TT&C services temporarily during the IOT	
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 Susan H. Crandall	15. Title of Person Signing Asst. General 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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**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.**

## **12. Description**

Intelsat License LLC herein requests an additional 30 days, from August 15, 2012 through September 13, 2012, of the Special Temporary Authority previously granted Intelsat to utilize a 9.2m Ka-band antenna located at its Riverside, CA teleport to provide launch and early orbit phase services, as well as provide TT&C services temporarily during the IOT phase, to the EchoStar XVII satellite (f/k/a Jupiter-1 and SPACEWAY-4), which was launched on July 5, 2012.

August 9, 2012

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



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

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests an additional 30 days — from August 15, 2012 through September 13, 2012 — of the Special Temporary Authority (“STA”)<sup>1</sup> previously granted Intelsat to utilize a 9.2m Ka-band antenna located at its Riverside, CA teleport to provide launch and early orbit phase (“LEOP”) services, as well as provide TT&C services temporarily during the IOT phase, to the EchoStar XVII satellite (f/k/a Jupiter-1 and SPACEWAY-4), which was launched on July 5, 2012.<sup>2</sup> The satellite currently is undergoing in-orbit testing.

The EchoStar XVII TT&C operations will continue to be performed in the following frequency bands: 28.351 GHz and

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<sup>1</sup> Intelsat has filed its STA request, an FCC Form 159, a \$180.00 filing fee and this supporting letter electronically via the International Bureau’s Filing System (“IBFS”).

<sup>2</sup> See *Satellite Communications Services Information; Actions Taken*, Report No. SES-01467, File No. SES-STA-20120710-00644 (July 18, 2012) (Public Notice); *Satellite Communications Services Information; Actions Taken*, Report No. SES-01459, File No. SES-STA-20120504-00421 (June 20, 2012) (Public Notice). EchoStar XVII will be in-orbit tested at 107.1° W.L., which is the satellite’s permanent orbital location. The satellite originally was licensed by the United Kingdom and had been authorized to serve the United States. See *Policy Branch Information; Actions Taken*, Report No. SAT-00687, File No. SAT-LOI-20091110-00119 (May 7, 2010) (Public Notice). EchoStar recently applied and was granted authority to license the satellite through the United States. See *Policy Branch Information; Actions Taken*, Report No. SAT-00875, File No. SAT-LOA-20120424-00075 (June 15, 2012) (Public Notice).

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28.353 GHz (uplink) and 19.7005 GHz and 19.7025 GHz (downlink).

The TT&C operations have been coordinated with all potentially affected operators. All potentially affected operators have been 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 EchoStar XVII IOT mission is as follows:

Ph.: (202) 944-7701 – East Coast Operations Center (primary)  
(310) 525-5900 – West Coast Operations Center (back-up)  
Request to speak with Harry Burnham or Kevin Bell.

In support of this further extension request, Intelsat incorporates by reference the exhibits submitted with its original STA request, which include a waiver request, as well as detailed technical information that 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 facility. In the extremely unlikely event that harmful interference should occur, Intelsat will take all reasonable steps to eliminate the interference.

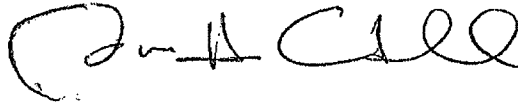
In further support of this further extension request, Intelsat notes that for purposes of the EchoStar XVII IOT mission, it is seeking to operate in the frequencies listed above at the nominal power level of 88 dBW. As noted above, the transmissions proposed herein will be coordinated with potentially affected operators of co-frequency satellites. In the extremely unlikely event that harmful interference should occur, Intelsat will take all reasonable steps to eliminate the interference.

Grant of this STA further extension request will enable Intelsat to help launch the EchoStar XVII satellite. This will serve the public interest by providing additional broadband service to consumers in the United States.

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Please direct any questions regarding this STA further extension request to the undersigned at (202) 944-7848.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Susan H. Crandall". The signature is stylized with a large initial "S" and "C".

Susan H. Crandall  
Assistant General Counsel  
Intelsat Corporation

cc: Paul Blais