

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 New 9.2m Ka-band Antenna at Intelsat's Riverside Teleport

1. Applicant

<b>Name:</b>	Intelsat North America 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		



*With Condition*  
File # SES-STA-20100616-00707  
Call Sign KA258 Grant Date 7/1/2010  
(or other identifier)  
Term Dates  
From 6/21/2010 To: 7/21/2010  
Approved: Jeanette K. Spruz's

Attachment

SES-STA-20100616-00707  
KA258

Condition:

The 17.8 - 20.2 GHz band is shared with U.S. Government space stations and associated earth stations in the fixed-Satellite Services. Services within the United States over the satellite network of which this is a cooperating earth station are subject to coordination under US334 and operation of the earth station(s) authorized herein will be subject to any technical constraints resulting from this coordination.

*with condition*

File # SES-STA-20100616-00707

Call Sign KA258 Grant Date 7/1/2010  
(or other identifier)

Term Dates  
From 6/21/2010 To: 7/21/2010

Approved: Jeanette R. Spriggs



**2. Contact**

<b>Name:</b>	Intelsat North America LLC	<b>Phone Number:</b>	202-944-7848
<b>Company:</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	<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?

- If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114).
- Governmental Entity     Noncommercial educational licensee
- Other (please explain):

4b. Fee Classification    CGX – Fixed Satellite Transmit/Receive Earth Station

5. Type Request

- Use Prior to Grant                       Change Station Location                       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:                      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; margin: 10px 0;">Intelsat North America LLC herein requests a further 30-day extension -- through July 21, 2010 -- of the Special Temporary Authority previously granted Intelsat to test a new 9.2m Ka-band antenna located at its existing Riverside, CA teleport.</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. <input checked="" type="radio"/> Yes <input type="radio"/> No	
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).	

**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.**

June 16, 2010

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

Dear Ms. Dortch:

Intelsat North America LLC ("Intelsat") herein requests a further 30-day extension -- through July 21, 2010 -- of the Special Temporary Authority ("STA")<sup>1</sup> previously granted Intelsat to test a new 9.2m Ka-band antenna located at its existing Riverside, CA teleport.<sup>2</sup>

A further extension is necessary because late delivery of critical antenna sub-components delayed the tests. Antenna pattern testing has been completed. Final performance tests, however, have yet to be completed.

As originally requested, Intelsat will transmit in the 29500-30000 MHz bands and receive in the 19700-20200 MHz bands. Also as originally requested, the antenna will communicate with Galaxy 28 at 89° W.L. during testing. Galaxy 28 will be utilized for antenna gain patterns verification -- transmit and receive in both azimuth and elevation in both polarizations (linear and circular) -- and for cross-polarization patterns verification.

In support of this further extension request, Intelsat incorporates by reference the materials submitted with its original STA request to test this antenna -- specifically, the detailed technical information (in Exhibits A-D) that

<sup>1</sup> Intelsat has filed its STA request, an FCC Form 159, a \$175.00 filing fee and this supporting letter electronically via the International Bureau's Filing System ("IBFS").

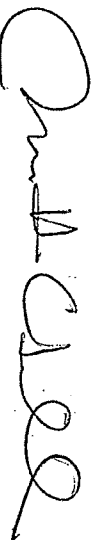
<sup>2</sup> See *Satellite Communications Services Information, Actions Taken*, Report No. SES-01231, File No. SES-STA-20091204-01561 (Mar. 31, 2010) (Public Notice); *Intelsat North America LLC Request for Extension of STA to Operate a New 9.2m Ka-band Antenna at Intelsat's Riverside Teleport*, File No. SES-STA-20100416-00449 (stamp grant issued by Shahnaz Ghavami on Apr. 22, 2010); *Satellite Communications Services Information, Actions Taken*, Report No. SES-01249, File No. SES-STA-20100517-00601 (June 2, 2010) (Public Notice).

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June 16, 2010  
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demonstrates that the operation of the earth station at 89° W.L. during testing 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.

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

Sincerely,



Susan H. Crandall  
Assistant General Counsel  
Intelsat Corporation

cc: Kathryn Medley  
Shahnaz Ghavami