

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:  
KA275 STA for AMC-11 Emergency Communications

**I. 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-20100514-00594

**Call Sign** KA275 **Grant Date** 05-17-10  
(or other identifier)

**Term Dates**  
**From** 5-19-10 **To:** 6-10-10

**Approved:**

ShahnaZ Ghavami

Attachment

Condition:

All operations shall be on an unprotected and non-harmful interference basis, i.e., Intelsat North America 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.

*With Condition*



File # SES-STA-20100514-00594

Call Sign KK2NS Grant Date 5/19/2010  
(or other identifier)

From 5/19/2010 To: 6/10/2010  
Term Dates

Approved: *[Signature]*

*Shahnaz Charvami*

**2. Contact**

<b>Name:</b>	Jennifer D. Hindin	<b>Phone Number:</b>	202-719-4975
<b>Company:</b>	Wiley Rein LLP	<b>Fax Number:</b>	
<b>Street:</b>	1776 K Street, NW	<b>E-Mail:</b>	jhindin@wileyrein.com
<b>City:</b>	Washington	<b>State:</b>	DC
<b>Country:</b>	USA	<b>Zipcode:</b>	20006 -
<b>Attention:</b>	Jennifer D. Hindin	<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  
05/19/2010

7. City Clarksburg

8. Latitude  
(dd mm ss.s h) 39 13 7.0 N

9. State MD	10. Longitude (dd mm ss.s h) 77 16 12.0 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 requests Special Temporary Authority for 23 days—from May 19, 2010 through June 10, 2010—to use its Clarksburg, MD earth station (call sign KA275) to provide emergency communications services in the 3700-4200 MHz and 5925-6425 MHz conventional C-band frequencies to the AMC-11 satellite (call sign S2433) at the nominal</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. <span style="float: right;"><input checked="" type="radio"/> Yes      <input type="radio"/> No</span>	
14. Name of Person Signing Susan H. Crandall	15. Title of Person Signing Assistant General Counsel, Intelsat Corp.
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 North America LLC requests Special Temporary Authority for 23 days—from May 19, 2010 through June 10, 2010—to use its Clarksburg, MD earth station (call sign KA275) to provide emergency communications services in the 3700-4200 MHz and 5925-6425 MHz conventional C-band frequencies to the AMC-11 satellite (call sign S2433) at the nominal 131 W.L. orbital location.

May 14, 2010



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 for Clarksburg, Maryland  
Earth Station, Call Sign: KA275

Dear Ms. Dortch:

Intelsat North America LLC (“Intelsat”) herein requests Special Temporary Authority (“STA”)<sup>1</sup> for 23 days—from May 19, 2010 through June 10, 2010—to use its Clarksburg, Maryland earth station (call sign KA275) to provide emergency communications services in the 3700-4200 MHz and 5925-6425 MHz conventional C-band frequencies to the AMC-11 satellite (call sign S2433) at the nominal 131° W.L. orbital location. The AMC-11 satellite is licensed to SES Americom, Inc. (doing business as “SES WORLD SKIES”).

This STA request seeks temporary authority to add communications services, including video and data, as approved services for KA275. The emission designators for the proposed services are 36M0G7W (digital video and data), 36M0F7D (digital data), and 36M0F8W (analog video and data).

The KA275 earth station is not currently licensed to provide communications services. Instead, the license specifies telemetry, command and ranging services, and the emission designators in the license reflect that use. However, the KA275 earth station already contains the ALSAT designation, authorizing communications with all U.S.-licensed satellites including AMC-11. The KA275 earth station also is authorized to use the conventional C-band frequencies from 3700-4200 MHz and 5925-6425 MHz and has been coordinated for operations in these frequencies for the portion of the satellite arc where AMC-11 operates. The KA275 antenna will operate consistent with the power levels specified in its existing authorization when providing communications services.

Grant of this STA request will serve the public interest. As the Commission is aware, the Galaxy 15 satellite (call sign S2387) operated by Intelsat’s sister company, PanAmSat Licensee Corp. (“PanAmSat”), experienced an anomaly on April 5, 2010 and is currently drifting East in an uncontrolled manner

<sup>1</sup> Intelsat has filed this STA request, an FCC Form 159 and a \$175.00 filing fee electronically via the International Bureau’s Filing System.

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toward the nominal 131° W.L. orbital location, where AMC-11 operates. The requested authority will allow PanAmSat and SES WORLD SKIES to mitigate potential interference and minimize service disruptions. Use of the 19m antenna in Clarksburg, MD will facilitate the successful transmission of C-band communications traffic during the period of time that Galaxy 15 drifts through the nominal 131° W.L. orbital location. Specifically, the KA275 earth station will uplink communications traffic to AMC-11 as the satellite maneuvers to the East and then to the West to avoid an in-orbit collision with Galaxy 15. The FCC has granted flexibility for the AMC-11 satellite to operate outside its licensed 131° W.L. station-keeping box to maintain a .3 to .5 degree separation between the two satellites.<sup>2</sup> The large size and advanced tracking capabilities of the KA275 earth station will best ensure uninterrupted signals during these maneuvers. As a result, grant of the requested STA will minimize service disruptions for customers.

In addition, grant of this request will not adversely affect other satellite service providers. Intelsat and SES WORLD SKIES are coordinating the proposed use of the KA275 earth station for communications services with the AMC-11 satellite. Intelsat or PanAmSat operate the closest C-band satellites to the nominal 131° W.L. orbital location -- *i.e.*, Galaxy 12 (call sign S2422) at nominal 133° W.L.<sup>3</sup> and Galaxy 13 (call sign S2386) at nominal 127° W.L. Intelsat does not expect that its proposed provision of communications services using the KA275 earth station will cause harmful interference to either of its adjacent satellites and will coordinate internally the proposed operations.

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<sup>2</sup> SES Americom, Inc. requested and received STA to drift the AMC-11 satellite 0.5 degrees to the east and west of its assigned orbital location of 131° W.L. (*i.e.*, between 130.5° W.L. and 131.5° W.L.) for a period of thirty days, commencing on May 20, 2010. *See SES Americom Inc., Application for Special Temporary Authority to Drift and Operate AMC-11*, File No. SAT-STA-20100430-0086 (filed Apr. 30, 2010) (grant stamped May 12, 2010).

<sup>3</sup> *See PanAmSat Licensee Corp. Request for Special Temporary Authority to Drift and Operate Galaxy 12 (call sign S2422)*, File No. SAT-STA-20100408-00070 (filed Apr. 8, 2010) (grant-stamped Apr. 9, 2010); *PanAmSat Licensee Corp. Request for Extension of STA to Drift and Operate Galaxy 12*, File No. SAT-STA-20100430-00089 (filed Apr. 30, 2010) (grant-stamped May 11, 2010).



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For the reasons set forth herein, IntelSAT respectfully requests that the Commission expeditiously grant this request.

Sincerely,

*/s/ Susan H. Crandall*

Susan H. Crandall  
Assistant General Counsel  
IntelSAT Corporation

cc: Kathryn Medley  
Stephen Duall