

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:  
Extension of STA for 46 cm Ku-band Earth Station at Hagerstown, Maryland

1. Applicant

<b>Name:</b>	Intelsat 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-20091012-01315

Call Sign \_\_\_\_\_ Grant Date 10/16/09  
(or other identifier)

Term Dates  
From 10/21/09 To: 11/19/09

Approved: *Kathryn Medley*  
*Chief, Satellite Engrs. Br.*

Attachment

SES-STA-20091012-01315

Condition:

All operations shall be on an unprotected and non-harmful interference basis, i.e., Intelsat 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-20091012-01315

Call Sign \_\_\_\_\_ Grant Date 10/16/09  
(or other identifier)

From 10/21/09 Term Dates To: 11/19/09

Approved: *Forrest M. Wells*  
*Chief, Satellite Systems Br*



**2. Contact**

<b>Name:</b>	Intelsat 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 Hagerstown

8. Latitude

(dd mm ss.s h)    39 55 59.0 N

9. State MD	10. Longitude (dd mm ss.s h) 78 14 30.0 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 LLC herein requests a 30-day extension, through November 19, 2009, of the STA previously granted to utilize a 46 cm Ku-band earth station to conduct testing. The antenna will continue to operate in the 14022-14094 MHz and 11722-11794 MHz frequency bands and to communicate with the Horizons 2 satellite at 74.05 W.L.</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.**



October 12, 2009

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



Re: Request for Extension of Special Temporary Authority  
46 cm Ku-band Earth Station  
Hagerstown, Maryland

Dear Ms. Dortch:

Intelsat LLC ("Intelsat") herein requests a 30-day extension – through November 19, 2009 – of the Special Temporary Authority<sup>1</sup> previously granted Intelsat to utilize a 46 cm Ku-band earth station to conduct testing as described below.<sup>2</sup> The antenna will continue to operate in the 14022-14094 MHz and 11722-11794 MHz frequency bands and to communicate with the Horizons 2 satellite at 74.05° W.L.

Grant of this STA extension request will serve the public interest by allowing Intelsat to continue to conduct testing that could serve to enhance the capabilities of communications services in support of military operations. Currently, aviation assets can provide limited data streams from an airborne asset to a satellite hub for distribution worldwide to U.S. Government agencies. The antenna that is the subject of this STA request represents new technology that would increase those data rates two to four times. Additional testing is needed to establish reliability figures over time.

In support of this request, Intelsat incorporates by reference the detailed technical information submitted with the original STA request 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.

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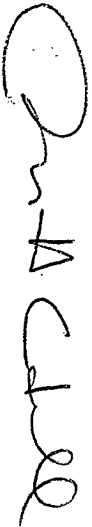
<sup>1</sup> Intelsat has filed this STA request, an FCC Form 159, a \$175.00 filing fee and this supporting letter electronically via the International Bureau's Filing System ("IBFS").

<sup>2</sup> See *Satellite Communications Services Information, Actions Taken*, Report No. SES-01177, File No. SES-STA-20090914-01178 (Sept. 23, 2009) (Public Notice).

Ms. Marlene H. Dortch  
October 12, 2009  
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Please direct any questions regarding this STA extension request to the undersigned at (202) 944-7848.

Respectfully submitted,

A handwritten signature in cursive script, appearing to read "Susan H. Crandall".

Susan H. Crandall  
Assistant General Counsel  
Intelsat Corporation

Cc: Kathryn Medley