

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
STA for Earth Station KA258 to Provide LEOP for the Intelsat 16 Satellite Launch

I. Applicant

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

With Conditions

File # SES STA-20091230-01638



Call Sign KA258 Grant Date 2/11/10
(or other identifier)

Term Dates
From 2/11/10 To: 2/20/10

Approved: [Signature]

Chief Satellite Engg Br.

Attachment

SES-STA-20091230-01638

KA258

Condition:

All operations are on a non-protected, non-interference basis.

Intelsat shall coordinate its operations with neighboring satellites with ± 6 degrees of its orbital location.

Intelsat shall immediate cease operations if interference is reported.

"With Conditions"



File # SES-STA-20091230-01638

Call Sign KA258 Grant Date 2/11/10
(or other identifier)

From 2/11/10 Term Dates To: 2/20/10

Approved: *Kathryn*

Chief, Satellite Engng Br.

2. Contact			
Name:	Intelsat North America LLC	Phone Number:	202-944-7848
Company:		Fax Number:	202-944-7870
Street:	c/o Intelsat Corporation 3400 International Drive, N.W.	E-Mail:	susan.crandall@intelsat.com
City:	Washington	State:	DC
Country:	USA	Zipcode:	20008 -3006
Attention:	Susan H. Crandall	Relationship:	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. CityClarksburg			
8. Latitude (dd mm ss.s h) 39 13 6.6 N			

9. State MD	10. Longitude (dd mm ss.s h) 77 16 15.3 W
11. Please supply any need attachments. Attachment 1: STA Request Attachment 2: Exhibit A 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;">Intelsat North America LLC herein requests a grant of Special Temporary Authority for 30 days, from February 4, 2010 through March 5, 2010, to use its Clarksburg, Maryland Ku-band earth station, call sign KA258, to provide LEOP services for the Intelsat 16 satellite that is expected to be launched on February 4, 2010. The LEOP period is expected to last</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. 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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12. Description

Intelsat North America LLC herein requests a grant of Special Temporary Authority for 30 days, from February 4, 2010 through March 5, 2010, to use its Clarksburg, Maryland Ku-band earth station, call sign KA258, to provide LEOP services for the Intelsat 16 satellite that is expected to be launched on February 4, 2010. The LEOP period is expected to last approximately ten days.

December 30, 2009

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



Re: Request for Special Temporary Authority
Clarksburg, Maryland Earth Station KA258

Dear Ms. Dortch:

Intelsat North America LLC ("Intelsat") herein requests a grant of Special Temporary Authority ("STA")¹ for 30 days, from February 4, 2010 through March 5, 2010, to use its Clarksburg, Maryland Ku-band earth station -- call sign KA258 -- to provide launch and early orbit phase ("LEOP") services for the Intelsat 16 satellite that is expected to be launched on February 4, 2010.² The LEOP period is expected to last approximately ten days.³

The Intelsat 16 LEOP operations will be performed in the following frequency bands: 13997.5 MHz and 14499.5 MHz in the uplink (LHCP), and 12198.25 MHz and 12198.75 MHz in the downlink (RHCP). The maximum uplink EIRP transmitted during the LEOP operations will be 85 dBW. The LEOP operations will 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.

The 24x7 contact information for the Intelsat 16 LEOP mission is as follows:

Harry Burnham or Mike Munion
Ph.: (202) 944-7701

¹ 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").

² The permanent orbital location for Intelsat 16 will be 58.1° W.L. *Policy Branch Information; Actions Taken*, Report No. SAT-00610, File No. SAT-LOA-20080416-00085 (June 5, 2009) (Public Notice).

³ Intelsat is seeking authority through March 5, 2010 to accommodate a possible launch delay.

Ms. Marlene H. Dortch
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The particulars of the proposed Intelsat 16 LEOP operations for the frequencies 14499.5 MHz, 12198.25 MHz, and 12198.75 MHz will be in conformance with the KA258 license parameters, as reflected in Section B of the license.⁴ The points of communications listed in the license do not include communications with a satellite in non-geostationary orbit, as will be the case during the proposed LEOP operations. As such, Intelsat is providing information below to address interference potential with respect to lawfully operating co-frequency terrestrial and government radiocommunication facilities.

Specifically, operations in the frequencies 14499.5 MHz, 12198.25 MHz, and 12198.75 MHz will not create potential interference into terrestrial services, as these frequencies are not shared with terrestrial services in the area of the proposed operations. Similarly, operations in the 13997.5 MHz frequency will not create potential interference into TDRSS forward links and the space research services because there is no frequency overlap.⁵ Additionally, the proposed operations in this frequency fully conform to the requirements of US356, with a transmitted EIRP per carrier of 85 dBW. There will be no interference into the government radiolocation services per the attached report of compliance with FCC Report & Order 96-377 regarding the 13.75-14.0 GHz band, provided as Exhibit A to this request.

The above information, as well as the relevant technical information currently on file with the Commission and herein incorporated by reference, demonstrate that the operation of the earth station will be compatible with its electromagnetic environment and will not cause harmful interference into any lawfully operating terrestrial or government 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.

Grant of this STA request will allow Intelsat to help launch the Intelsat 16 satellite to the 58.1° W.L. location. This, in turn, will help provide additional capacity at the nominal 58.0° W.L. location and thereby promote the public interest.

⁴ See File No. SES-MFS-20090616-00736.

⁵ The requirements of US337 and US357 would not apply.

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December 30, 2009
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Please direct any questions regarding this STA 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 fluid and cursive, with a large initial "S" and "C".

Susan H. Crandall
Assistant General Counsel
Intelsat Corporation

Cc: Kathryn Medley