

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 Earth Station KA258 to Provide LEOP for the Intelsat 16 Satellite

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-20100217-00210

Call Sign KA258 Grant Date 2/19/2010
(or other identifier)

Term Dates
From Launcher To: + 3 days

Approved: [Signature]

Shahnaz Ghavami

Attachment

SES-STA-20100217-00210

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 immediately cease operations if interference is reported.

No transmission in the 13.77 – 13.78 GHz band as not to interfere with NASA Tracking and Data Relay Satellite System (TDRSS).

with conditions



File # SES-STA-20100217-00210

Call Sign KA258 Grant Date 2/19/2010
(or other identifier)

Term Dates

From launch To: + 3 days

Approved: _____

ShahnaZ Ghavami

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?

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 Clarksburg

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: 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 three-day extension, through February 23, 2010, of the Special Temporary Authority previously granted Intelsat to use its Clarksburg, Maryland Ku-band earth station, call sign KA258, to provide launch and early orbit phase services for the Intelsat 16 satellite that was launched on February 11, 2010.</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).	

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12. Description

Intelsat North America LLC herein requests a three-day extension, through February 23, 2010, of the Special Temporary Authority previously granted Intelsat to use its Clarksburg, Maryland Ku-band earth station, call sign KA258, to provide launch and early orbit phase services for the Intelsat 16 satellite that was launched on February 11, 2010. The LEOP mission will extend through February 23, 2010, at which time the satellite will be at its in-orbit testing location of 48.0 W.L.

February 17, 2010

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



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

Dear Ms. Dortch:

Intelsat North America LLC ("Intelsat") herein requests a three-day extension -- through February 23, 2010 -- of the Special Temporary Authority ("STA")¹ previously granted Intelsat 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 was launched on February 11, 2010.² The LEOP mission will extend through February 23, 2010, at which time the satellite will be at its in-orbit testing location of 48.0° W.L.³

The Intelsat 16 LEOP operations will continue to 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 have been 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 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 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 See *Satellite Communications Services Information: Actions Taken*, Report No. SES-01219, File No. SES-STA-20091230-01638 (Feb. 17, 2010) (Public Notice).

³ 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).

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The particulars of the Intelsat 16 LEOP operations for the frequencies 14499.5 MHz, 12198.25 MHz, and 12198.75 MHz will continue to 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, continued 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, continued 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 continued operations in this frequency fully conform to the requirements of USS356, with a transmitted EIRP per carrier of 85 dBW. There will be no interference into the government radiolocation services per the report of compliance with FCC Report & Order 96-377 regarding the 13.75-14.0 GHz band, provided as Exhibit A to the original STA request and incorporated herein by reference.

The above information, as well as the relevant technical information currently on file with the Commission and herein incorporated by reference, demonstrate that the continued 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 extension request will allow Intelsat to complete the Intelsat 16 launch mission. 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 USS337 and USS357 would not apply.

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

Respectfully submitted,



Susan H. Crandall
Assistant General Counsel
IntelSat Corporation

Cc: Kathryn Medley