

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
Further Extension of STA for Earth Station KA258 to Perform TT&C for the Intelsat 16 Satellite

1. 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 Condition
File # SES-STA-20100507-00570

Call Sign KA258 Grant Date 6/2/2010
(or other identifier)

Term Dates
From 5/13/2010 To: 6/12/2010

Approved: _____

Shahneer Ghavami

Attachment

SES-STA-20100507-00570
KA258

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-20100507-00570

Call Sign KA258 Grant Date 6/2/2010
(or other identifier)

Term Dates
From 5/13/2010 To: 6/12/2010

Approved: _____

Shahnaiz Charvane

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 30-day extension -- through June 12, 2010 -- of the Special Temporary Authority previously granted IntelSAT to use its Clarksburg, Maryland Ku-band earth station -- call sign KA258 -- to provide telemetry, tracking and command services for the IntelSAT 16 satellite at its permanent location of 58.10 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.

May 7, 2010

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

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



INTELSAT.

Dear Ms. Dortch:

IntelSat North America LLC ("IntelSat") herein requests a further 30-day extension -- through June 12, 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 telemetry, tracking and command ("TT&C") services for the IntelSat 16 satellite at its permanent location of 58.10° W.L.² IntelSat has a pending application to modify the KA258 license to add 58.10° W.L. as a point of communication.³

IntelSat 16 was launched on February 11, 2010 and has commenced operations at 58.10 W.L.⁴ The IntelSat 16 TT&C operations will continue to be performed at 58.10° W.L. in the following frequency bands: 13997.5 MHz and 14499.5 MHz in the uplink and 12198.25 MHz and 12198.75 MHz in the downlink. IntelSat will continue to

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 Policy Branch Information; Actions Taken, Report No. SES-02227, File No. SES-STA-20100127-00125, (Mar. 17, 2010) (Public Notice); *IntelSat North America LLC Request for Extension of STA*, File No. SES-STA-20100409-00429 (stamp granted issued by Kathryn Medley, Chief, Satellite Engineering Branch, on Apr. 14, 2010).

³ See *Satellite Policy Branch Information, Applications Accepted for Filing*, Report No. SES-01239 (Apr. 28, 2010) (Public Notice).

⁴ See *Policy Branch Information, Actions Taken*, Report No. SAT-00610, File No. SAT-LOA-20080416-00085 (June 5, 2009) (Public Notice); Letter from Susan H. Crandall, IntelSat Corporation, to Marlene H. Dortch, Federal Communications Commission (Mar. 31, 2010) (noting that IntelSat 16 commenced service as of March 19, 2010).

Ms. Marlene H. Dortch

May 7, 2010

Page 2

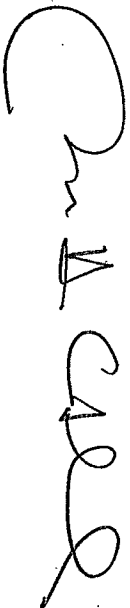
operate the TT&C transmissions in conformance with its coordination agreements for the nominal 58.0° W.L. location, as well as with the FCC's rules designed to allow co-frequency operations in a two-degree separation environment.

Operations in the 14499.5 MHz, 12198.25 MHz and 12198.75 MHz frequencies will continue to be consistent with the antenna's licensed parameters. With respect to operations in the 13997.5 MHz frequency, Intelsat herein incorporates by reference the Exhibit A supplied with the original STA request, which contains technical information 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 terrestrial facility.⁵ 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.

The continued provision of TT&C services to the Intelsat 16 satellite at 58.10° W.L. is critical to ensure the safe station-keeping of the satellite at that location. This, in turn, results in additional capacity at the nominal 58.0° W.L. location and thereby promotes the public interest.

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

Respectfully submitted,



Susan H. Crandall
Assistant General Counsel
Intelsat Corporation

Cc: Kathryn Medley

⁵ The EIRP levels for transmissions in the 13997.5 MHz frequency will continue to be consistent with the antenna's licensed parameters.

Special Temporary Authority Application
Summary of Extended Ku-band Technical Information
For Coordination with NTTA

Date send to OET

Applicant: IntelSAT North America LLC
File No.: SES-STA-20100507-00570
KA258

Purpose of STA: IntelSAT North America LLC herein requests a 30-day extension -- through June 12, 2010 -- of the Special Temporary Authority previously granted IntelSAT to use its Clarksburg, Maryland Ku-band earth station -- call sign KA258 -- to provide telemetry, tracking and command services for the IntelSAT 16 satellite at its permanent location of 58.10 W.L.

Need response by: ASAP in order to grant.

Site Location: Clarksburg, Maryland
Latitude: 39 13 6.6 N
Longitude: 77 16 15.3W

Receive frequency:

13997.5 MHz (Uplink)
14499.5 MHz (Uplink)
12198.25 MHz (Downlink)
12198.75 MHz (Downlink)

Polarization: Linear and Circular

Antenna Size: 14.2M
TIW
Gain: 64.7 dBi @ 14.0 GHz

Maximum antenna height:
m (above ground level)
m (above mean sea level)

<u>Frequency Band</u>	<u>Emissions</u>	<u>Maximum E.I.R.P.</u>	<u>Maximum E.I.R.P. Density</u>
13997.5 MHz	850KG7D	85.0 dBW	-3.0 dBW/4 KHz
14499.5 MHz	850KG7D	85.0 dBW	-3.0 dBW/4 KHz

Satellite: IntelSAT 16 (TT&C)
at the 58.10° W.L. orbital location

24/7 Contact: Harry Burnham or Mike Munion- Ph.: (202)-944-7701