


S2750 SAT-STA-20100111-00007 IB2010000195
Intelsat North America LLC

Date & Time Filed: Jan 11 2010 3:41:19:043PM
File Number: SAT-STA-20100111-00007
Callsign:



File # SAT-STA-2010 0111-00007
Call Sign S2750 Grant Date 02/19/10
(or other identifier)
Term Dates period of
From 02/22/10 To: 30 days
Approved: Stephen J. Duall
Steph J. Duall
Steph J. Duall
Chief, Satellite Policy Branch

Approved by OMB
3060-0678

*Subject to conditions

FEDERAL COMMUNICATIONS COMMISSION
APPLICATION FOR SPACE STATION SPECIAL TEMPORARY AUTHORITY
FOR OFFICIAL USE ONLY

APPLICANT INFORMATION

Enter a description of this application to identify it on the main menu:
Request for STA to Conduct In-Orbit Testing of Intelsat 16 (S2750)


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		

Attachment to Grant
IBFS File No. SAT-STA-20100111-00007
Call Sign: S2750
February 19, 2010

The request of Intelsat North America, LLC (Intelsat) for special temporary authority (STA), File No. SAT-STA-20100111-00007, is granted. Accordingly, Intelsat is authorized, for a period of 30 days commencing on February 22, 2010, to operate in the 12.75-13.25 GHz and 13.75-14.5 GHz (Earth-to-space) and 10.7-11.45 GHz and 11.7-12.2 GHz (space-to-Earth) frequency bands to conduct in-orbit testing (IOT) of the Intelsat-16 space station (Call Sign S2750) at the 48° W.L. orbital location and to drift Intelsat 16 to its assigned orbit location at 58.1° W.L. after completing IOT operations. This authorization is granted in accordance with the terms, conditions, and technical specifications set forth in Intelsat's application, the Federal Communication Commission's rules, and the conditions of this attachment.

1. All operations shall be on an unprotected and non-harmful interference basis, i.e., Intelsat shall not cause harmful interference to, and shall not claim protection from interference caused to it by, any other lawfully operating radiocommunication system.
2. In the event of any harmful interference as a result of the operations of Intelsat-16 at the 48° W.L. orbit location or during drift to the 58.1° W.L. orbital location, Intelsat shall cease operations immediately upon notification of such interference and shall inform the Commission, in writing, immediately of such an event.
3. Intelsat's operations at 48° W.L. shall be limited to IOT operations and shall not include the provision of commercial services.
4. Intelsat shall coordinate its IOT and TT&C operations with existing geostationary satellites to ensure that no unacceptable interference results from its IOT operations at the 48° W.L. orbital location or from its TT&C operations during the drift from 48° W.L. to its assigned orbital location at 58.1° W.L.
5. During in-orbit testing, Intelsat shall maintain the Intelsat 16 satellite within an east/west longitudinal station-keeping tolerance of ± 0.05 degrees of the 48° W.L. orbital location.
6. Intelsat is afforded 30 days from the date of release of this grant and authorization to decline this authorization as conditioned. Failure to respond within this period will constitute formal acceptance of the authorization as conditioned.
7. This action is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. § 0.261, and is effective immediately. Petitions for reconsideration under Section 1.106 or applications for review under Section 1.115 of the Commission's rules, 47 C.F.R. §§ 1.106, 1.115, may be filed within 30 days of the date of the public notice indicating that this action was taken.

 GRANTED* International Bureau	File # <u>SAT-STA-2010 0111-00007</u>
	Call Sign <u>S2750</u> Grant Date <u>02/19/10</u> (or other identifier)
	Term Dates period of From <u>02/22/10</u> To: <u>30 days</u>
	Approved: <u>Stephen J. Duall</u> Stephen J. Duall Chief, Satellite Policy Branch
	* subject to conditions

2. Contact	
Name:	Intelsat North America LLC
Company:	Intelsat North America LLC
Street:	c/o Intelsat Corporation
	3400 International Drive, N.W.
City:	Washington
Country:	USA
Attention:	Susan H. Crandall
Phone Number:	202-944-7848
Fax Number:	202-944-7870
E-Mail:	susan.crandall@intelsat.com
State:	DC
Zipcode:	20008 -
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 CRY - Space Station (Geostationary)	
5. Type Request	
<input checked="" type="radio"/> Change Station Location	<input type="radio"/> Extend Expiration Date <input type="radio"/> Other
6. Temporary Orbit Location 48.0 W.L.	
7. Requested Extended Expiration Date	

8. 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.)

Intelsat North America LLC herein requests a grant of Special Temporary Authority for 30 days, from February 21, 2010 through March 22, 2010, to conduct IOT of Intelsat 16, call sign S2750, at 48.0 W.L. in the bands 13750-14500 MHz and 12750-13250 MHz in the uplink and 11700-12200 MHz, and 10700-11450 MHz in the downlink and to drift the satellite to its

9. 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 No

10. Name of Person Signing
Susan H. Crandall

11. Title of Person Signing
Asst. General Counsel, Intelsat Corporation

12. Please supply any need attachments.

Attachment 1: STA Request

Attachment 2:

Attachment 3:

**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.

8. Description

Intelsat North America LLC herein requests a grant of Special Temporary Authority for 30 days, from February 21, 2010 through March 22, 2010, to conduct IOT of Intelsat 16, call sign S2750, at 48.0 W.L. in the bands 13750-14500 MHz and 12750-13250 MHz in the uplink and 11700-12200 MHz, and 10700-11450 MHz in the downlink and to drift the satellite to its permanent location of 58.1 W.L.

January 11, 2010

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



Re: Request for Special Temporary Authority to Conduct In-Orbit Testing of Intelsat 16; Call Sign: S2750

Dear Ms. Dortch:

Intelsat North America LLC ("Intelsat") herein requests a grant of Special Temporary Authority ("STA")¹ for 30 days, from February 21, 2010 through March 22, 2010, to conduct in-orbit testing ("IOT") of Intelsat 16 (call sign S2750) at 48.0° W.L. in the bands 13750-14500 MHz and 12750-13250 MHz in the uplink and 11700-12200 MHz and 10700-11450 MHz in the downlink and to drift the satellite to its permanent location of 58.1° W.L.² Intelsat 16 currently is scheduled to be launched on February 11, 2010, and will be nominally co-located with Intelsat 9 (call sign S2380), which currently operates at 58.0° W.L. In support of its request, Intelsat submits the following information.

During in-orbit testing of Intelsat 16, Intelsat will operate in the above referenced Ku-bands. Intelsat has coordinated the planned in-orbit testing of Intelsat 16 with all operators of satellites operating co-frequency up to six degrees away from 48.0° W.L. Specifically, Intelsat has internally coordinated the proposed testing with the following of its satellites: Intelsat 705 (call sign S2395) at 50.0° W.L., Intelsat 707 (call sign S2398) at 53.0° W.L., Intelsat 1R (call sign S2368) at 50.0° W.L., Intelsat 14 (call sign S2785) at 45.0° W.L., Intelsat 3R (call sign PAS-2R) at 43.1° W.L., and Intelsat 11 (call sign S2237) at 43.0° W.L. In the unlikely event that harmful interference occurs, Intelsat will take all necessary steps to eliminate the interference.

Intelsat has assessed and limited the probability of the space station becoming a source of debris as a result of collision with large debris or other operational space stations during in-orbit testing at 48.0° W.L. Intelsat 16 will not be

¹ Intelsat has filed this STA request, an FCC Form 159 and an \$830.00 filing fee electronically via the International Bureau's Filing System.

² See *Policy Branch Information; Actions Taken*, Report No. SAT-00610, File No. SAT-LOA-20080416-00085 (June 5, 2009) (Public Notice). During the drift from 48.0° W.L. to 58.1° W.L., only the satellite's TT&C frequencies will be utilized.

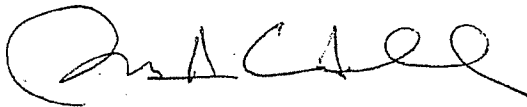
Ms. Marlene H. Dortch
January 11, 2010
Page 2

located at the same orbital location as another satellite or at an orbital location that has an overlapping station-keeping volume with another satellite. Further, Intelsat is not aware of any other FCC licensed system, or any other system applied for and under consideration by the FCC, having an overlapping station-keeping volume with Intelsat 16. Finally, Intelsat is not aware of any system with an overlapping station-keeping volume with Intelsat 16 that is the subject of an ITU filing and that is either in orbit or progressing towards launch.

The in-orbit testing of Intelsat 16 at 48.0° W.L. is a critical step in ensuring that the satellite will be fully operational at 58.1° W.L. This, in turn, will provide additional capacity at the nominal 58.0° W.L. location, and thereby promotes the public interest.

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

Sincerely,



Susan H. Crandall
Assistant General Counsel
Intelsat Corporation

Cc: Robert Nelson
Karl Kensinger
Kathryn Medley
Stephen Duall