

S2814 SAT-STA-20101012-00214 IB2010003176
Intelsat North America LLC
Intelsat 17

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File Number: SAT-STA-20101012-00214
Callsign:

File # SAT-STA-2010 1012-00214
Call Sign S2814 Grant Date 12/02/10
(or other identifier)
Term Dates period of
From 12/02/10 To: 30 days
Approved: Stephen J. Duall
Stephens, Duall
Chief, Satellite Policy Branch

Approved by OMB
3060-0678



FEDERAL COMMUNICATIONS COMMISSION
APPLICATION FOR SPACE STATION SPECIAL TEMPORARY AUTHORITY

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APPLICANT INFORMATION

Enter a description of this application to identify it on the main menu:
Request for Special Temporary Authority to Conduct In-Orbit Testing of Intelsat 17 (Call Sign S2814)

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		

Attachment to Grant
IBFS File No. SAT-STA-20101012-00214
Call Signs: S2814
December 2, 2010

The request of Intelsat North America LLC (Intelsat) for special temporary authority (STA), File No. SAT-STA-20101012-00214, is granted. Accordingly, Intelsat is authorized, for a period of 30 days, to perform in-orbit testing (IOT) of the Intelsat 17 space station (Call Sign S2814) at the 63.15° E.L. orbital location using the 3625-4200 MHz (space-to-Earth), 5850-6425 MHz (Earth-to-space), 10950-11200 MHz (space-to-Earth), 11450-11700 MHz (space-to-Earth), and 12500-12750 MHz (space-to-Earth), and 13750-14500 MHz (Earth-to-space) frequency bands. Intelsat is also authorized to conduct telemetry, tracking and telecommand (TT&C) operations centered on frequencies at 3947.5 MHz and 3952.5 MHz (space-to-Earth) and 6173.7 MHz and 6176.3 MHz (Earth-to-space) necessary to maintain Intelsat 17 at 63.15° E.L. and to drift Intelsat 17 to its assigned orbital location of 66.0° E.L. upon completion of IOT. This authorization is granted in accordance with the terms and technical specifications in the STA application, the Federal Communication Commission's rules, and the following conditions.

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 by, any other lawfully operating radiocommunication system.
2. In the event any harmful interference results from operation pursuant to this STA, Intelsat shall cease the interfering operation(s) immediately upon notification of such interference and shall immediately inform the Commission, in writing, of the event.
3. Intelsat's operations pursuant to this STA shall be limited to in-orbit testing and shall not include provision of commercial services.
4. Intelsat shall coordinate its IOT operations pursuant to this STA with the operators of potentially-affected geostationary satellites to ensure that no unacceptable interference results from such operation.
5. This action is taken 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.



*with conditions

File # SAT-STA-20101012-00214

Call Sign S2814 Grant Date 12/02/10
(or other identifier)

Term Dates period of
From 12/02/10 To: 30 days

Approved: Stephen J. Duall

Stephen J. Duall
Chief, Satellite Policy Branch

2. Contact

Name: Susan H. Crandall **Phone Number:** 202-944-7848
Company: Intelsat North America LLC **Fax Number:** 202-944-7870
Street: c/o Intelsat Corporation **E-Mail:** susan.crandall@intelsat.com

3400 International Drive, N.W.
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 SATLOA2010072600167 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 CRX – Space Station (Geostationary)

5. Type Request

Change Station Location Extend Expiration Date Other

6. Temporary Orbit Location
63.15 E.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 December 1, 2010 through December 30, 2010, to conduct in-orbit testing of Intelsat 17 (call sign S2814) at 63.15 E.L. in the bands 3625-4200 MHz (downlink), 5850-6425 MHz (uplink), 10950-11200 MHz, 11450-11700 MHz, and 12500-12750 MHz (downlink), and

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"; 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 December 1, 2010 through December 30, 2010, to conduct in-orbit testing of Intelsat 17 (call sign S2814) at 63.15 E.L. in the bands 3625-4200 MHz (downlink), 5850-6425 MHz (uplink), 10950-11200 MHz, 11450-11700 MHz, and 12500-12750 MHz (downlink), and 13750-14500 MHz (uplink) and to drift the satellite to its permanent location of 66.0 E.L.

October 12, 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 17; Call Sign: S2814

Dear Ms. Dortch:

Intelsat North America LLC ("Intelsat") herein requests a grant of Special Temporary Authority ("STA")¹ for 30 days, from December 1, 2010 through December 30, 2010, to conduct in-orbit testing ("IOT") of Intelsat 17 (call sign S2814) at 63.15° E.L. in the bands 3625-4200 MHz (downlink), 5850-6425 MHz (uplink), 10950-11200 MHz, 11450-11700 MHz, and 12500-12750 MHz (downlink), and 13750-14500 MHz (uplink) and to drift the satellite to its permanent location of 66.0° E.L.² Intelsat 17 currently is scheduled to be launched as early as November 24, 2010. In support of its request, Intelsat submits the following information.

During in-orbit testing of Intelsat 17, Intelsat will operate in the above referenced C- and Ku-bands. Intelsat has coordinated the planned in-orbit testing of Intelsat 17 with all operators of satellites operating co-frequency up to six degrees away from 63.15° E.L. Specifically, Intelsat has coordinated the proposed testing with Inmarsat, which operates the Inmarsat 3F1 satellite at 64.5° E.L. In addition, Intelsat has internally coordinated the proposed testing with the following of its satellites: Intelsat 904 (call sign S2408) at 60.0° E.L., Intelsat 902 (call sign S2406) at 62.0° E.L., Intelsat 906 (call sign S2410) at 64.15° E.L., Intelsat 702 (call sign S2388) at 66.0° E.L., Intelsat 10 (call sign S2382) at 68.5° E.L., and Intelsat 7 (call sign S2229) at 68.65° E.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

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; Satellite Space Authorizations Accepted for Filing*, Report No. SAT-00714, File No. SAT-LOA-20100726-00167 (Aug. 27, 2010) (Public Notice). During the drift from 63.15° E.L. to 66.0° E.L., only the satellite's TT&C frequencies will be utilized.

Ms. Marlene H. Dortch

October 12, 2010

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space stations during in-orbit testing at 63.15° E.L. Intelsat 17 will not be 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 17. Finally, Intelsat is not aware of any system with an overlapping station-keeping volume with Intelsat 17 that is the subject of an ITU filing and that is either in orbit or progressing towards launch.

The in-orbit testing of Intelsat 17 at 63.15° E.L. is a critical step in ensuring that the satellite will be fully operational at 66.0° E.L. This, in turn, will ensure continuity of service to customers at the 66.0° E.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
Kathyrn Medley
Stephen Duall