

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
STA for 46 cm Ku-band Earth Station at Hagerstown, Maryland

1. Applicant

| | | | |
|-------------------|--|----------------------|-----------------------------|
| Name: | Intelsat 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-20090914-01178

Call Sign _____ Grant Date 9/18/09
(or other identifier)

Term Dates
From 9/21/09 To: 10/20/09

Approved: Kathleen Medley
Chief, Satellite Engrg. Br.

Attachment

SES-STA-20090914-01178

Condition:

All operations shall be on an unprotected and non-harmful interference basis, i.e., Intelsat 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-20090914-01178

Call Sign _____ Grant Date 9/18/09
(or other identifier)

From 912169 Term Dates To: 10/20/09

Approved: *William J. Walters*
Chief, Satellite Engg. Br.



| | |
|--|--|
| 2. Contact | |
| Name: Intelsat 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. City Hagerstown | 8. Latitude (dd mm ss.s h) 39 55 59.0 N |

| | |
|---|--|
| 9. State MD | 10. Longitude (dd mm ss.s h) 78 14 30.0 W |
| 11. Please supply any need attachments. Attachment 1: STA Request Attachment 2: Exhibits A – D 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 LLC herein requests a grant of Special Temporary Authority for 30 days, from September 21, 2009 through October 20, 2009, to utilize a 46 cm Ku-band earth station to conduct testing.</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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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.

September 14, 2009

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



Re: Request for Special Temporary Authority
46 cm Ku-band Earth Station
Hagerstown, Maryland

Dear Ms. Dortch:

Intelsat LLC ("Intelsat") herein requests a grant of Special Temporary Authority¹ for 30 days, from September 21, 2009 through October 20, 2009, to utilize a new 46 cm Ku-band earth station to conduct testing as described below. The antenna will operate in the 14022-14094 MHz and 11722-11794 MHz frequency bands and will communicate with the Horizons 2 satellite at 74.05° W.L.²

Grant of this STA request will serve the public interest by allowing Intelsat to conduct testing that could serve to enhance the capabilities of communications services in support of military operations. Currently, aviation assets can provide limited data streams from an airborne asset to a satellite hub for distribution worldwide to U.S. Government agencies. The antenna that is the subject of this STA request represents new technology that would increase those data rates two to four times.

In support of this request, Intelsat is attaching detailed 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 facility. In the extremely unlikely event that harmful interference should occur, Intelsat will take all reasonable steps to eliminate the interference.

¹ Intelsat has filed this 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 Horizons 2 satellite is U.S.-licensed to operate at 74.05° W.L. under call sign S2423, File Nos. SAT-MOD-20070628-00090 and SAT-AMD-20070731-00108.

Ms. Marlene Dortch
September 14, 2009
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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