



File # SAT-STA-20040902-00164

S2181 Grant Date Oct 8, 2004

From Launch AMC-16 Term Dates For 90 days after launch

Approved by OMB 3060-0678

Approved: [Signature] Chief Satellite Engineer [Signature]

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File Number: SAT-STA-20040902-00164
Callsign:

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:
AMC-16 STA Request 9/2004

1. Applicant

Name: SES Americom, Inc. Phone Number: 609-987-4000 x4187
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Attention: Ms. Nancy J. Eskenazi

2. Contact

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City:	Washington	State:	DC
Country:	USA	Zipcode:	20004 -1109
Contact Title:		Relationship:	Legal Counsel

(If your application is related to an application filed with the Commission, enter the file number below.)

3. Reference File Number

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 CRY - Space Station (Geostationary)

5. Type Request

- Change Station Location Extend Expiration Date Other

6. Temporary Orbit Location
82.1 and 84.9

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.)

SES Americom, Inc. seeks special temporary authority for testing of AMC-16's Ku-band payload at 82.1 W.L. and its Ka-band payload at 84.9.

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
Nancy J. Eskenazi

11. Title of Person Signing
Vice President and Associate General Counsel

12. Please supply any need attachments.

Attachment 1: Attachment 1

Attachment 2:

Attachment 3:

WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND / OR IMPRISONMENT
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(U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).

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**Before the
FEDERAL COMMUNICATIONS COMMISSION
Washington, D.C. 20554**

In the Matter of Application by)
SES AMERICOM, INC.) File No. SAT-STA-_____
For Special Temporary Authority to)
Test AMC-16 at 82.1° W.L. and 84.9° W.L.)

APPLICATION OF SES AMERICOM, INC.

By this application, SES AMERICOM, Inc. ("SES AMERICOM") respectfully requests special temporary authority ("STA") to permit it to test the Ku-band payload of its AMC-16 spacecraft at 82.1° W.L. and the Ka-band payload of AMC-16 at 84.9° W.L. for a period of up to 90 days following launch. AMC-16 is a Ku/Ka-band hybrid satellite that SES AMERICOM proposes to operate at the 85° W.L. orbital location. The Ku-band payload of AMC-16 will replace the Ku-band payload of AMC-9 (see File No. SAT-RPL-20040227-00024), and the Ka-band payload of AMC-16 will be part of SES AMERICOM's authorized Ka-band satellite system (see SAT-MOD-20040227-00022).

As discussed below, temporary operation of AMC-16 at 82.1° W.L. and 84.9° W.L. will permit testing to occur without disruption to existing customers at 85° W.L. and will not adversely affect the operation of any other carrier's spacecraft. The two locations have been selected to provide significant orbital separation between AMC-16 and other Ku- and Ka-band spacecraft operating or planned to be operating in adjacent portions of the orbital arc during the testing period.

The testing of AMC-16's Ku-band payload at 82.1° W.L. and its Ka-band payload at 84.9° W.L. will not cause harmful interference to the operations of any other spacecraft. The only standard Ku-band satellites operating within six degrees on either side of 82.1° W.L. are licensed to SES AMERICOM: AMC-5 at 79° W.L., AMC-9 at 85° W.L., and AMC-3 at 87° W.L.¹ SES AMERICOM will manage the operations of its spacecraft to ensure that no harmful interference occurs.

Telesat Canada operates a Ka-band payload on the Nimiq 2 spacecraft at 82° W.L. SES AMERICOM has coordinated the testing of AMC-16 with Telesat Canada. No other Ka-band spacecraft currently operates within six degrees on either side of the 84.9° W.L. orbital position or is expected to be operational within the proposed time period for testing of AMC-16.

SES AMERICOM's request to test AMC-16 at the 82.1° W.L. and 84.9° W.L. orbital positions is in the public interest. By testing AMC-16 at these locations, SES AMERICOM will be able to ensure that AMC-16 is fully operational at the time it arrives at its final orbital location, thereby avoiding any interruption in service that otherwise might be associated with spacecraft testing.

SES AMERICOM seeks authority to test AMC-16 subject to the following conditions:

¹ The 77° W.L., 81° W.L., and 83° W.L. orbital locations are currently vacant. SES AMERICOM has an application pending before the Commission seeking authority to relocate AMC-9 from 85° W.L. to 83° W.L. See File No. SAT-AMD-20040319-00041.

(a) SES AMERICOM will coordinate its test operations with all potentially affected operating satellite networks.

(b) No harmful interference will be caused to any lawfully operating satellite network or radio communication system and SES AMERICOM operations will cease immediately upon notification of harmful interference. Further, SES AMERICOM shall notify the Commission in writing that it has received such a notification within 14 days of receipt.

(c) SES AMERICOM will accept interference from any lawfully operating satellite network or radio communication system.

(d) Testing authority is limited to the frequencies for which the AMC-16 satellite will be authorized.

(e) The authorization is subject to change in any of its terms or cancellation in its entirety at any time upon reasonable notice, but without hearing, if in the opinion of the Commission, circumstances require.

(f) The temporary authority will commence on the date SES AMERICOM launches AMC-16, currently scheduled for December 6, 2004, and terminate 90 days from that date.

(g) SES AMERICOM shall notify the Commission in writing no later than seven days after it has completed testing of AMC-16 and commenced the move of AMC-16 to its assigned orbital location.

(h) The temporary authority is for testing purposes and shall not be used for the provision of commercial service.

SES AMERICOM hereby certifies that no party to this application is subject to a denial of federal benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. § 862.

For the foregoing reasons, SES AMERICOM respectfully requests special temporary authority to test the AMC-16 Ku-band payload at 82.1° W.L. and its Ka-band payload at 84.9° W.L. for a period of up to 90 days following launch. Grant of the requested authority will permit testing of the spacecraft to occur without affecting services to customers and will permit a seamless transition of services.

Respectfully submitted,

SES AMERICOM, INC.

By: /s/ Nancy J. Eskenazi

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Dated: September 2, 2004