

Approved by OMB  
3060-0678

Date & Time Filed: Nov 30 2004 6:44:34:856PM  
File Number: SAT-STA-20041130-00214  
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:  
STA Request to move AMC-15 to 117 degrees W.L.

I. Applicant

<b>Name:</b>	SES Americom, Inc.	<b>Phone Number:</b>	609-987-4000 x4187
<b>DBA Name:</b>		<b>Fax Number:</b>	609-987-4233
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<b>City:</b>	Princeton	<b>State:</b>	NJ
<b>Country:</b>	USA	<b>Zipcode:</b>	08540 -
<b>Attention:</b>	Ms Nancy J. Eskenazi		

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 **File#** SAT-STA-20041130-00214

**Call Sign** S2180 **Grant Date** 12/10/04  
(or other identifier)

**From** 12/10/04 **Term Dates** 1/4/05 **To:** AK

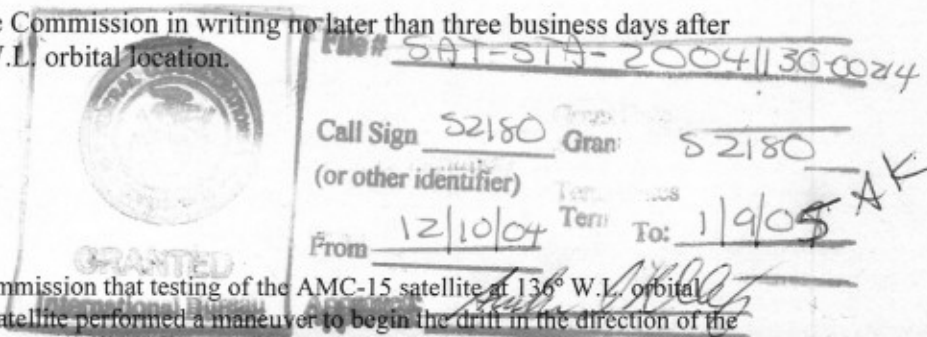
**Approved:** [Signature] Policy Branch Chief  
by conditions

**ATTACHMENT**  
**Conditions of Authorization: SAT-STA-20041130-00214**  
**Call Sign: S2180**  
**Grant Date: December 10, 2004**

SES Americom, Inc.'s ("SES Americom") request for Special Temporary Authority (STA), File No. SAT-STA-20041130-00214, to relocate the AMC-15 Ku/Ka-band hybrid satellite to the 117° W.L. orbital location and to temporarily stop at the 117° W.L. orbital location IS GRANTED. Accordingly, SES Americom is authorized to operate the AMC-15 satellite's Tracking, Telemetry, Command and Monitoring (TTC&M) during the drift to the 117° W.L. orbital location and during its temporary stop at the 117° W.L. orbital location for the period of 30 days from December 10, 2004 until January 9, 2005, in accordance with the terms, conditions, and technical specifications set forth in its application and this Attachment; and

- (1) During the drift of the AMC-15 satellite to the 117° W.L. orbital location and during its temporary stop at the 117° W.L. orbital location, SES Americom shall not operate the communications payload on the AMC-15.<sup>1</sup>
- (2) SES Americom shall coordinate its TTC&M operations with existing geostationary satellites to ensure that no unacceptable interference results from its TTC&M operations during the drift.
- (3) During the drift of the satellite to the 117° W.L. orbital location and during its temporary stop at the 117° W.L. orbital location, no harmful interference shall be caused by the AMC-15 satellite to any other lawfully operating satellites or radiocommunication systems. Operations of the AMC-15 satellite shall cease immediately upon notification of such interference and SES Americom shall inform the Commission in writing immediately of such an event.
- (4) SES Americom is required to accept interference from other lawfully operating in-orbit satellites.
- (5) Any action taken or expense incurred as a result of operations pursuant to this special authority is solely at SES Americom's own risk.
- (6) Grant of the STA is without prejudice to our action on SES Americom's pending request, File No. SAT-STA-20041012-00198, to operate the AMC-15 Ka-band payload for a period of two months at the 117° W.L. orbital location and to also operate the AMC-15 Ka-band payload at the 113° W.L. orbital location at a later date.
- (7) SES Americom shall notify the Commission in writing no later than three business days after AMC-15 has arrived at the 117° W.L. orbital location.

<sup>1</sup> SES Americom has advised the Commission that testing of the AMC-15 satellite at 136° W.L. orbital location has been completed and the satellite performed a maneuver to begin the drift in the direction of the 105° W.L. orbital location pursuant to a previously granted STA. See letter from Karis Hastings, Esq., Hogan & Hartson L.L.P., to Marlene H. Dortch, Secretary, Federal Communications Commission, December 9, 2004 (regarding File No. SAT-STA-20040622-00118).



2. Contact

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(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  
117 degrees W. L.

7. Requested Extended Expiration Date

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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 Relocate AMC-15 to 117° W.L. )

*EXPEDITED ACTION REQUESTED*

**APPLICATION OF SES AMERICOM, INC.**

SES Americom, Inc. ("SES Americom") hereby respectfully requests special temporary authority for 30 days to relocate the AMC-15 Ku/Ka-band hybrid satellite immediately to the 117° W.L. orbital position and to operate the Ku-band TT&C payload at that location. SES Americom seeks to commence the relocation of AMC-15 now but would not provide services over the satellite until the Commission acts on SES Americom's separate pending request to operate the Ka-band payload of AMC-15 for a period of two months at 117° W.L.<sup>1</sup> Grant of the instant request will permit SES Americom to put AMC-15 in position in order to meet the time-critical requirements of SES Americom's customer for service at 117° W.L. and will free up ground equipment needed to support the launch of AMC-16 on December 16.

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<sup>1</sup> File No. SAT-STA-20041012-00198 (the "October STA Request"). The October STA Request also sought authority to operate AMC-15 at 113° W.L. at a later date. However, the application here only requests authority to place the satellite at 117° W.L. pending grant of further authority to operate and relocate the spacecraft.

AMC-15 is a Ku/Ka-band satellite that was launched on October 15 and is licensed to operate at the 105° W.L. orbital position.<sup>2</sup> SES Americom was authorized to test the Ku- and Ka-band payloads of AMC-15 at the 136° W.L. orbital location.<sup>3</sup> That testing has now been completed.

SES Americom proposes to relocate AMC-15 from 136° W.L. to 117° W.L. at the company's own risk pending action on the October STA Request. The public notice period for that request recently closed, and two parties made filings relating to the application.<sup>4</sup> SES Americom will be responding later this week to the NRTC and Telesat filings, and will demonstrate that neither party has presented a legitimate obstacle to grant of the October STA Request.

For present purposes, however, the Commission need only determine that permitting SES Americom to relocate AMC-15 to 117° W.L. and to operate its Ku-band TT&C payload at that location is consistent with the public interest. Telesat has raised concerns regarding coordination of AMC-15 at 117° W.L. with Telesat's existing and future operations at 118.7° W.L. SES Americom reiterates the commitment it made in the October STA Request to coordinate with Telesat. SES Americom has determined, based on information available to it concerning the

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<sup>2</sup> See File Nos. SAT-LOA-20030219-00013; SAT-AMD-20030422-00069; SAT-AMD-20040615-00117; & SAT-MOD-20030214-00011, granted Aug. 18, 2004.

<sup>3</sup> See File No. SAT-STA-20040622-00118, granted Aug. 18, 2004.

<sup>4</sup> See Petition to Deny of the National Rural Telecommunications Cooperative ("NRTC"), File No. SAT-STA-20041012-00198 (filed Nov. 22, 2004); Comments of Telesat Canada ("Telesat"), File No. SAT-STA-20041012-00198 (filed Nov. 22, 2004).

current Telesat operations, that there is no overlap of AMC-15's Ku-band TT&C frequencies with the Ku-band transponders or TT&C frequencies on Telesat's Anik E2 spacecraft at 118.7° W.L.<sup>5</sup> In these circumstances we do not anticipate any problem in completing coordination of the limited Ku-band TT&C operations of AMC-15 proposed here.

SES Americom seeks temporary authority to relocate AMC-15 to 117° W.L. and to operate its Ku-band TT&C payload at that location pursuant to the following conditions:

(a) SES Americom will coordinate its TT&C 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) Temporary authority is limited to the Ku-band TT&C frequencies for which the AMC-15 satellite is 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.

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<sup>5</sup> The Ku-band telemetry beacons on AMC-15 operate at 11702.0 MHz and 12198.0 MHz, and the AMC-15 command frequency is at 14001.5 MHz. These frequencies are outside the range of the Anik E2 Ku-band transponders, which operate between 11703 and 12197 MHz on the downlink, and between 14003 and 14497 MHz on the uplink. Similarly, there is no overlap with the Anik E2 TT&C frequencies. Anik E2 has beacons operating at 12199 and 12199.5 MHz and has a command frequency at 14499.25 MHz.

(f) SES Americom shall notify the Commission in writing no later than seven days after it has commenced the move of AMC-15 to 117° W.L.

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.

SES Americom waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application.

For the foregoing reasons, SES Americom seeks temporary authority for a period of 30 days to relocate AMC-15 to 117° W.L. and to operate only the Ku-band TT&C payload at that location. SES Americom requests expedited action on this application to permit relocation to commence as soon as possible.

Respectfully submitted,

SES Americom, Inc.

By: /s/ Nancy J. Eskenazi

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Dated: November 30, 2004