

S2347 SAT-STA-20170316-00052 IB2017000706
SES Americom, Inc.
AMC-6



File # SAT-STA-20170316-00052

Call Sign S2347 Grant Date 05/11/17

(or other identifier)

Term Dates period of
From 05/11/17 To: 60 days

Approved: Stephen J. Duall

Approved by OMB
3060-0678

Date & Time Filed: Mar 16 2017 3:32:41:380PM
File Number: SAT-STA-20170316-00052
Callsign:

Stephen J. Duall
Chief, Satellite Policy Branch

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 Relocate AMC-6 (S2347) Pending Modification Application

1. Applicant

Name:	SES Americom, Inc.	Phone Number:	202-478-7143
DBA Name:		Fax Number:	202-478-7111
Street:	1129 20th Street NW Suite 1000	E-Mail:	petra.vorwig@ses.com
City:	Washington	State:	DC
Country:	USA	Zipcode:	20036 -
Attention:	Ms Petra A Vorwig		


ATTACHMENT TO GRANT
SES Americom, Inc.
IBFS File No. SAT-STA-20170316-00052

IBFS File No(s):	SAT-STA-20170316-00052	<p>GRANTED – With Conditions</p>  <p>International Bureau Satellite Division</p>
Licensee/Grantee:	SES Americom, Inc.	
Call Sign:	S2347	
Satellite Name:	AMC-6	
Orbital Location: (required station-keeping tolerance)	85.0° W.L. (+/- 0.05 degrees east/west station keeping)	
Administration:	United States of America	
Nature of Service:	Telemetry, Tracking, and Command (TT&C)	
Scope of Grant:	Special temporary authority for a period of 60 days to conduct TT&C operations necessary to drift AMC-6 from its current location at the 67.0° W.L. orbital location to the 85.0° W.L. orbital location, using the following center frequencies: 3700.5 MHz, 4199.5 MHz, 11.702 GHz, and 12.198 GHz (space-to-Earth); and 6423.5 MHz (Earth-to-space).	
Service Area(s):	N/A	
Frequencies:	TT&C center frequencies: 3700.5 MHz, 4199.5 MHz, 11.702 GHz, and 12.198 GHz (space-to-Earth) 6423.5 MHz (Earth-to-space)	
<p>Unless otherwise specified herein, operations under this grant must comport with the legal and technical specifications set forth by the applicant or petitioner and with Federal Communication Commission's rules not waived herein. This grant is also subject to the following conditions:</p> <ol style="list-style-type: none"> 1. Operations pursuant to this special temporary authority must be on an unprotected and non-harmful interference basis, i.e., the AMC-6 space station must not cause harmful interference to, and must not claim protection from interference caused to it by, any other lawfully operating station. In the event of any harmful interference, SES Americom must cease operations immediately upon notification of such interference, and must inform the Commission, in writing, immediately of such an event. 2. SES Americom must coordinate the operations of AMC-6 with existing geostationary space stations to ensure that no unacceptable interference results from its operations during drift to the 85.0° W.L. orbital location. 3. SES Americom must operate only the TT&C frequencies authorized for AMC-6 during the space station's drift from the 67.0° W.L. orbital location to the 85.0° W.L. orbital location. 4. SES Americom's operations at 85.0° W.L. must be limited to TT&C and must not include the provision of commercial services. 5. While at the 85.0° W.L. orbital location, SES Americom must maintain the AMC-6 spacecraft with an east/west longitudinal station-keeping tolerance of +/- 0.05 degrees. 6. Grant of this authorization is without prejudice to any Commission action on IBFS File No. SAT-MOD-20170316-00051. 7. Any action taken or expense incurred as a result of operations pursuant to this special temporary authority is solely at SES Americom's own risk. 		
<p>Licensee/grantee is afforded thirty (30) days from the date of release of this action to decline the grant as conditioned. Failure to respond within this period will constitute formal acceptance of the grant as conditioned.</p>		

ATTACHMENT TO GRANT
SES Americom, Inc.
IBFS File No. SAT-STA-20170316-00052

This action is taken pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 CFR § 0.261, and is effective upon release.

Station licenses are subject to the conditions specified in Section 309(h) of the Communications Act of 1934, as amended, 47 U.S.C. § 309(h).

Action Date:	May 11, 2017	
Term Dates	From: May 11, 2017	To: period of 60 days
Approved:	 Stephen J. Duall Chief, Satellite Policy Branch	

2. Contact

Name:	Karis Hastings	Phone Number:	202-599-0975
Company:	SatCom Law LLC	Fax Number:	
Street:	1317 F St, NW Suite 400	E-Mail:	karis@satcomlaw.com
City:	Washington	State:	DC
Country:	USA	Zipcode:	20004 -
Attention:		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 SATMOD2017031600051 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 CRY – Space Station (Geostationary)

5. Type Request

- Change Station Location Extend Expiration Date Other

6. Temporary Orbit Location
85.0 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.)

SES Americom, Inc. hereby respectfully requests special temporary authority for a period of 60 days beginning on or before May 14, 2017 to permit relocation of the AMC-6 C/Ku-band fixed-satellite space station (S2347) to 85.0 W.L. pending approval of modification application, File No. SAT-MOD-20170316-00051.

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
Petra A. Vorwig

11. Title of Person Signing
Senior Legal & Regulatory Counsel

12. Please supply any need attachments.

Attachment 1: STA Narrative

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.

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

In the Matter of)	
)	
SES AMERICOM, INC.)	File No. SAT-STA-_____
)	Call Sign S2347
Request for Special Temporary Authority to)	
Relocate AMC-6 Fixed-Satellite Space Station)	

Expedited Action Requested

REQUEST OF SES AMERICOM, INC.

SES Americom, Inc. (“SES”) hereby respectfully requests special temporary authority (“STA”) for a period of 60 days beginning on or before May 14, 2017, to permit relocation of the AMC-6 C/Ku-band fixed-satellite space station. Specifically, SES seeks authority to: (1) drift AMC-6 from its current position at 67.0° W.L. to 85.0° W.L. and maintain it at that location in inclined orbit using certain C-band and conventional Ku-band frequencies for Telemetry, Tracking and Command (“TT&C”);¹ and (2) operate AMC-6 in the conventional Ku-band and extended Ku-band² frequencies at 85.0° W.L. SES seeks STA pending action on its application to modify the AMC-6 license to reflect these changes.³ Grant of the requested

¹ The AMC-6 TT&C frequencies and nominal polarizations are as follows:

<u>Command:</u>	6423.5 MHz (horizontal polarization; uplink)
<u>Telemetry:</u>	3700.5 MHz (horizontal polarization; downlink), 4199.5 MHz (vertical polarization; downlink), and 11702.0 MHz (horizontal polarization; downlink) 12198.0 MHz (vertical polarization; downlink).

² Operations in the extended Ku-band will be conducted under an ITU network filing held by the Netherlands Administration.

³ *SES Americom, Inc.*, Call Sign S2347, File No. SAT-MOD-20170316-00051 (the “AMC-6 Modification”). SES incorporates the supporting materials submitted with the AMC-6 Modification by reference herein.

authority will serve the public interest by allowing SES to use AMC-6 to supplement Ku-band service provided by the AMC-2 and AMC-16 satellites to serve customers in the northern latitudes of North America. AMC-6 will also add capacity in the extended Ku-band.

As discussed in the AMC-6 Modification, SES has entered into an agreement with EchoStar Satellite Operating Corporation (“EchoStar”), which holds the license for the Ku-band payload of the AMC-16 Ku/Ka-band spacecraft located at 85° W.L.,⁴ to reposition AMC-6 in order to supplement the Ku-band capacity of AMC-16 and AMC-2. Reassignment of AMC-6 to 85° W.L. will also allow extended Ku-band service from that location. The modification application includes a public interest analysis in support of the request as well as technical materials demonstrating that relocating AMC-6 will not adversely affect any other satellite operators.

The Commission has generally permitted satellite operators the flexibility to design and modify their networks in response to customer requirements, absent compelling countervailing public interest considerations.⁵ Here, grant of the requested STA will permit SES to accommodate customer requirements and facilitate efficient use of AMC-6 to provide service to customers.

⁴ See File No. SAT-ASG-20141020-00111.

⁵ See, e.g. *AMSC Subsidiary Corporation*, 13 FCC Rcd 12316 at ¶ 8 (IB 1998) (the Commission generally leaves space station design decisions to the licensee “because the licensee is in a better position to determine how to tailor its system to meet the particular needs of its customers”) (footnote omitted).

For the foregoing reasons, SES respectfully requests expeditious grant of STA to permit relocation of AMC-6 pending action on the AMC-6 Modification.

Respectfully submitted,

SES AMERICOM, INC.

By: /s/ Petra A. Vorwig

Of Counsel

Karis A. Hastings
SatCom Law LLC
1317 F Street, N.W., Suite 400
Washington, D.C. 20004
Tel: (202) 599-0975

Petra A. Vorwig
Senior Legal & Regulatory Counsel
SES Americom, Inc.
1129 20th Street, N.W., Suite 1000
Washington, D.C. 20036

Dated: March 16, 2017