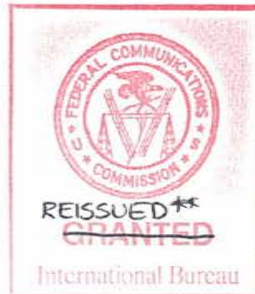


** REISSUE OF LICENSE CONDITIONS AFTER RELOCATION UNDER 25.118(e) **

S2162 SAT-MOD-20161025-00102 IB2016002333
SES Americom, Inc.



File # SAT-MOD-20161025-00102
REISSUE DATE
Call Sign S2162 Grant Date 01/18/17
(or other identifier)
Term Dates
From 11/24/16 To: 09/30/17
Approved: *Stephen J. Duall*

Approved by OMB
3060-0678

Date & Time Filed: Oct 25 2016 3:44:01:300PM
File Number: SAT-MOD-20161025-00102

** with conditions

Stephen J. Duall
Chief, Satellite Policy Branch

FCC APPLICATION FOR SPACE AND EARTH STATION:MOD OR AMD – MAIN FORM	FCC Use Only
FCC 312 MAIN FORM FOR OFFICIAL USE ONLY	


APPLICANT INFORMATION

Enter a description of this application to identify it on the main menu:
Fleet Management Notice for the Relocation of AMC-3 to 72 W.L.

1-8. Legal Name of 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:	Petra Vorwig		

ATTACHMENT TO GRANT
SES Americom, Inc.
IBFS File No. SAT-MOD-20161025-00102

IBFS File No(s):	SAT-MOD-20161025-00102	REISSUED – With Conditions  International Bureau Satellite Division
Licensee/Grantee:	SES Americom, Inc.	
Call Sign:	S2162	
Satellite Name:	AMC-3	
Orbital Location: (required station-keeping tolerance)	72.0° W.L. (+/- 0.05 degrees east/west)	
Administration:	United States of America	
Nature of Service:	Fixed-Satellite Service (FSS); Direct-to-home (DTH)	
Scope of Grant:	Reissue of AMC-3 license following fleet management operations to reflect the technical parameters and conditions under which AMC-3 must be operated at the 72.0° W.L. orbital location, pursuant to 47 CFR § 25.118(e).	
Service Area(s):	North America and Caribbean; South America (Ku-band only)	
Frequencies:	3700-4200 MHz (space-to-Earth) 5925-6425 MHz (Earth-to-space) 11.7-12.2 GHz (space-to-Earth) 14.0-14.5 GHz (Earth-to-space) Command: 6423.5 MHz (Earth-to-space) Telemetry/Tracking: 3700.5 MHz, 4199 MHz, 11.702 GHz, and 12.180 GHz (space-to-Earth)	
<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. SES Americom must operate AMC-3 in accordance with the technical parameters previously coordinated for the AMC-6 space station at the 72.0° W.L. orbital location¹, as well as the technical information provided in its fleet management notification.² 2. SES Americom must maintain AMC-3 within an east-west longitudinal station-keeping tolerance of +/- 0.05° of the 72.0° W.L. orbital location. 3. SES Americom must operate AMC-3 at the 72.0° W.L. orbital location in accordance with all existing or future coordination agreements for this location. 4. In connection with the provisions of service in any particular country, SES Americom is obliged to comply with the applicable laws, regulations, rules, and licensing procedures of that country. 5. SES Americom must prepare the necessary information, as may be required, for submission to the International Telecommunication Union (ITU) to initiate and complete the advance publication, coordination, due diligence, and notification process of this space station in accordance with the ITU 		

¹ See IBFS File No. SAT-MOD-20050819-00163 (Oct. 26, 2005) and Authority to Launch and Operate a Replacement C/Ku-Hybrid Fixed Satellite Service Space Station at 72° W.L., *Memorandum Opinion, Order and Authorization*, 15 FCC Rcd 19671 (Sat. & Radiocomm. Div. 2000) (technical parameters for AMC-6). AMC-3 will continue to operate under the polarization plan for its C-band transponders authorized for the operation of AMC-3 at 67° W.L. See IBFS File No. SAT-MOD-20111220-00243. This polarization plan is consistent with the technical parameters previously authorized for AMC-6 at 72° W.L. and the only other operator potentially affected by continued use of the AMC-3 polarization plan has no objection to such operations. See Letter from Karis A. Hastings, Counsel, SES Americom, to Marlene H. Dortch, Secretary, FCC, IBFS File No. SAT-MOD-20161025-00102 (filed Jan. 11, 2017).

² See IBFS File No. SAT-MOD-20161025-00102.

ATTACHMENT TO GRANT
SES Americom, Inc.
IBFS File No. SAT-MOD-20161025-00102

Radio Regulations. SES Americom will be held responsible for all cost-recovery fees associated with ITU filings. No protection from interference caused by radio stations authorized by other administrations is guaranteed unless coordination and notification procedures are timely completed or, with respect to individual administrations, coordination agreements are successfully completed. Any radio station authorization for which coordination has not been completed may be subject to additional terms and conditions as required to effect coordination of the frequency assignments of other administrations. *See* 47 CFR § 25.111(b).

6. Grant of this application does not change the expiration date of the authorization for the AMC-3 space station, which is September 30, 2017.³
7. SES Americom's request for waiver of Section 25.114(d)(3) of the Commission's rules, 47 CFR § 25.114(d)(3), is GRANTED.⁴ Section 25.114(d)(3) requires applicants to provide predicted space station antenna gain contour(s) for each transmit and receive antenna beam and nominal orbital location requested. The main purpose of the contour map is to allow evaluation of the potential for harmful interference with other operators and services in the frequency band. SES Americom states that it did not provide gain information for the global horn antenna in accordance with the requirements in Section 25.114(d)(3) because the space station manufacturer did not provide the .gxt data for this antenna. We find that Figure 1 in Section 2.5 of the Technical Appendix, together with the descriptive characterization provided on page 5 of the application, provide a sufficiently complete description of the global horn antenna on the AMC-3 space station to enable the Commission to determine whether or not the AMC-3 space station meets the Commission's technical requirements.⁵
8. SES Americom's request for a waiver of Sections 25.114(d)(14)(ii) and 25.283(c), 47 CFR §§ 25.114(d)(14)(ii) and 25.283(c) is GRANTED.⁶ Sections 25.114(d)(14)(ii) and 25.283(c) specify that space stations must discharge all stored energy sources at end-of-life of the space station. AMC-3 is a Lockheed Martin A2100 spacecraft and does not completely discharge all stored energy at end of life. SES Americom states that residual oxidizer will not be vented at the spacecraft's end of life because the two tanks containing oxidizer were sealed shortly after the satellite's launch on September 3, 1997. SES Americom further states that the two oxidizer tanks are connected, that each tank has a volume of 229 liters, and that there is a total mass of 13.05 mg of dinitrogen tetroxide and 1 kg of helium in the tanks at end of life.⁷ The information submitted by SES Americom is not sufficient to support a finding that the underlying purpose of Section 25.283(c) is served by sealing the oxidizer tanks without completely venting them. Nevertheless, we grant SES Americom a partial waiver of sections 25.114(d)(14)(ii) and 25.283(c). AMC-3 was launched on October 26, 2000 and the tanks were sealed before Section 25.283(c) was adopted. Furthermore, compliance with Section 25.283(c) would require direct retrieval of the spacecraft or launching a servicing mission to the spacecraft, which is not practicable at this time. This action is without prejudice to future licensing decisions in connection with other spacecraft of the same manufacturing series.
9. Within 30 days of completion of the end-of-life maneuvers, SES Americom must send a letter to the Chief, Satellite Division, International Bureau, indicating the apogee and perigee of the AMC-3 disposal orbit.

³ *See* IBFS File No. SAT-MOD-20120629-00109 (Oct. 18, 2012).

⁴ *See* IBFS File No. SAT-MOD-20111220-00243 (June 28, 2012) (Attachment Narr and Tech App).

⁵ *Id.*

⁶ *Id.*

⁷ *See* Letter from Karis Hastings, Counsel, SES Americom, Inc., to Marlene H. Dortch, Secretary, Federal Communications Commission, IBFS File No. SAT-MOD-20111220-00243 (filed Dec. 22, 2011) (letter clarifying certain aspects of the venting requirements of AMC-3).

ATTACHMENT TO GRANT
SES Americom, Inc.
IBFS File No. SAT-MOD-20161025-00102

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.

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:	January 18, 2017
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Term Dates	From: November 24, 2016	To: September 30, 2017
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Approved:



Stephen J. Duall
Chief, Satellite Policy Branch

9-16. Name of Contact Representative

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

CLASSIFICATION OF FILING

17. Choose the button next to the classification that applies to this filing for both questions a. and b. Choose only one for 17a and only one for 17b.

- a1. Earth Station
- a2. Space Station

- (N/A) b1. Application for License of New Station
- (N/A) b2. Application for Registration of New Domestic Receive-Only Station
- b3. Amendment to a Pending Application
- b4. Modification of License or Registration
- b5. Assignment of License or Registration
- b6. Transfer of Control of License or Registration
- b7. Notification of Minor Modification
- (N/A) b8. Application for License of New Receive-Only Station Using Non-U.S. Licensed Satellite
- (N/A) b9. Letter of Intent to Use Non-U.S. Licensed Satellite to Provide Service in the United States
- (N/A) b10. Other (Please specify)
- (N/A) b11. Application for Earth Station to Access a Non-U.S. satellite Not Currently Authorized to Provide the Proposed Service in the Proposed Frequencies in the United States
- (N/A) b12. Application for Database Entry
- b13. Amendment to a Pending Database Entry Application
- b14. Modification of Database Entry

17c. 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):

17d.

Fee Classification BFY – Space Station Modification (Geostationary)

18. If this filing is in reference to an existing station, enter:

(a) Call sign of station:
S2162

19. If this filing is an amendment to a pending application enter both fields, if this filing is a modification please enter only the file number:

(a) Date pending application was filed: (b) File number:
SATMOD2012062900109

TYPE OF SERVICE

<p>20. NATURE OF SERVICE: This filing is for an authorization to provide or use the following type(s) of service(s): Select all that apply:</p> <p><input checked="" type="checkbox"/> a. Fixed Satellite <input type="checkbox"/> b. Mobile Satellite <input type="checkbox"/> c. Radiodetermination Satellite <input type="checkbox"/> d. Earth Exploration Satellite <input type="checkbox"/> e. Direct to Home Fixed Satellite <input type="checkbox"/> f. Digital Audio Radio Service <input type="checkbox"/> g. Other (please specify)</p>	
<p>21. STATUS: Choose the button next to the applicable status. Choose only one. <input type="radio"/> Common Carrier <input checked="" type="radio"/> Non-Common Carrier</p>	<p>22. If earth station applicant, check all that apply. <input type="checkbox"/> Using U.S. licensed satellites <input type="checkbox"/> Using Non-U.S. licensed satellites</p>
<p>23. If applicant is providing INTERNATIONAL COMMON CARRIER service, see instructions regarding Sec. 214 filings. Choose one. Are these facilities: <input type="radio"/> Connected to a Public Switched Network <input type="radio"/> Not connected to a Public Switched Network <input checked="" type="radio"/> N/A</p>	
<p>24. FREQUENCY BAND(S): Place an 'X' in the box(es) next to all applicable frequency band(s). <input checked="" type="checkbox"/> a. C-Band (4/6 GHz) <input checked="" type="checkbox"/> b. Ku-Band (12/14 GHz) <input type="checkbox"/> c. Other (Please specify upper and lower frequencies in MHz.) Frequency Lower: Frequency Upper: (Please specify additional frequencies in an attachment)</p>	

TYPE OF STATION

25. CLASS OF STATION: Choose the button next to the class of station that applies. Choose only one.

- a. Fixed Earth Station
- b. Temporary-Fixed Earth Station
- c. 12/14 GHz VSAT Network
- d. Mobile Earth Station
- e. Geostationary Space Station
- f. Non-Geostationary Space Station
- g. Other (please specify)

26. TYPE OF EARTH STATION FACILITY:

- Transmit/Receive Transmit-Only Receive-Only N/A

"For Space Station applications, select N/A."

PURPOSE OF MODIFICATION

27. The purpose of this proposed modification is to: (Place an 'X' in the box(es) next to all that apply.)

- a -- authorization to add new emission designator and related service
- b -- authorization to change emission designator and related service
- c -- authorization to increase EIRP and EIRP density
- d -- authorization to replace antenna
- e -- authorization to add antenna
- f -- authorization to relocate fixed station
- g -- authorization to change frequency(ies)
- h -- authorization to add frequency
- i -- authorization to add Points of Communication (satellites & countries)
- j -- authorization to change Points of Communication (satellites & countries)
- k -- authorization for facilities for which environmental assessment and radiation hazard reporting is required
- l -- authorization to change orbit location
- m -- authorization to perform fleet management
- n -- authorization to extend milestones
- o -- Other (Please specify)

ENVIRONMENTAL POLICY

28. Would a Commission grant of any proposal in this application or amendment have a significant environmental impact as defined by 47 CFR 1.1307? If YES, submit the statement as required by Sections 1.1308 and 1.1311 of the Commission's rules, 47 C.F.R. 1.1308 and 1.1311, as an exhibit to this application. A Radiation Hazard Study must accompany all applications for new transmitting facilities, major modifications, or major amendments. Yes No

ALIEN OWNERSHIP Earth station applicants not proposing to provide broadcast, common carrier, aeronautical en route or aeronautical fixed radio station services are not required to respond to Items 30–34.

29. Is the applicant a foreign government or the representative of any foreign government?	<input type="radio"/> Yes <input checked="" type="radio"/> No
30. Is the applicant an alien or the representative of an alien?	<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> N/A
31. Is the applicant a corporation organized under the laws of any foreign government?	<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> N/A
32. Is the applicant a corporation of which more than one-fifth of the capital stock is owned of record or voted by aliens or their representatives or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country?	<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> N/A

33. Is the applicant a corporation directly or indirectly controlled by any other corporation of which more than one-fourth of the capital stock is owned of record or voted by aliens, their representatives, or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country? Yes No N/A

34. If any answer to questions 29, 30, 31, 32 and/or 33 is Yes, attach as an exhibit an identification of the aliens or foreign entities, their nationality, their relationship to the applicant, and the percentage of stock they own or vote. Exhibit A

BASIC QUALIFICATIONS

35. Does the Applicant request any waivers or exemptions from any of the Commission's Rules? Yes No
If Yes, attach as an exhibit, copies of the requests for waivers or exceptions with supporting documents.

36. Has the applicant or any party to this application or amendment had any FCC station authorization or license revoked or had any application for an initial, modification or renewal of FCC station authorization, license, or construction permit denied by the Commission? If Yes, attach as an exhibit, an explanation of circumstances. Yes No

37. Has the applicant, or any party to this application or amendment, or any party directly or indirectly controlling the applicant ever been convicted of a felony by any state or federal court? If Yes, attach as an exhibit, an explanation of circumstances.

Yes No

38. Has any court finally adjudged the applicant, or any person directly or indirectly controlling the applicant, guilty of unlawfully monopolizing or attempting unlawfully to monopolize radio communication, directly or indirectly, through control of manufacture or sale of radio apparatus, exclusive traffic arrangement or any other means or unfair methods of competition? If Yes, attach as an exhibit, an explanation of circumstances

Yes No

39. Is the applicant, or any person directly or indirectly controlling the applicant, currently a party in any pending matter referred to in the preceding two items? If yes, attach as an exhibit, an explanation of the circumstances.

Yes No

40. If the applicant is a corporation and is applying for a space station license, attach as an exhibit the names, address, and citizenship of those stockholders owning a record and/or voting 10 percent or more of the Filer's voting stock and the percentages so held. In the case of fiduciary control, indicate the beneficiary(ies) or class of beneficiaries. Also list the names and addresses of the officers and directors of the Filer.

Exhibit B

41. 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

42a. Does the applicant intend to use a non-U.S. licensed satellite to provide service in the United States? If Yes, answer 42b and attach an exhibit providing the information specified in 47 C.F.R. 25.137, as appropriate. If No, proceed to question 43.

Yes No

42b. What administration has licensed or is in the process of licensing the space station? If no license will be issued, what administration has coordinated or is in the process of coordinating the space station?

43. Description. (Summarize the nature of the application and the services to be provided). (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., files this fleet management notice to relocate AMC-3 from 67 W.L. to 72 W.L.

Notice

43a. Geographic Service Rule Certification

By selecting A, the undersigned certifies that the applicant is not subject to the geographic service or geographic coverage requirements specified in 47 C.F.R. Part 25.

A

By selecting B, the undersigned certifies that the applicant is subject to the geographic service or geographic coverage requirements specified in 47 C.F.R. Part 25 and will comply with such requirements.

B

By selecting C, the undersigned certifies that the applicant is subject to the geographic service or geographic coverage requirements specified in 47 C.F.R. Part 25 and will not comply with such requirements because it is not feasible as a technical matter to do so, or that, while technically feasible, such services would require so many compromises in satellite design and operation as to make it economically unreasonable. A narrative description and technical analysis demonstrating this claim are attached.

C

CERTIFICATION

The Applicant 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. The applicant certifies that grant of this application would not cause the applicant to be in violation of the spectrum aggregation limit in 47 CFR Part 20. All statements made in exhibits are a material part hereof and are incorporated herein as if set out in full in this application. The undersigned, individually and for the applicant, hereby certifies that all statements made in this application and in all attached exhibits are true, complete and correct to the best of his or her knowledge and belief, and are made in good faith.

44. Applicant is a (an): (Choose the button next to applicable response.)

- Individual
- Unincorporated Association
- Partnership
- Corporation
- Governmental Entity
- Other (please specify)

45. Name of Person Signing
Petra A. Vorwig

-->

46. Title of Person Signing
Senior Legal & Regulatory Counsel

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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