

File # SAT-STA-20091202-00135

Call Sign S2156 Grant Date 12/03/09
(or other identifier)

Approved by OMB
3060-0678

Term Dates
From 12/03/09 To: 12/10/09

Date & Time Filed: Dec 2 2009 7:57:01:630AM
File Number: SAT-STA-20091202-00135
Callsign:

Approved: Stephen J. Duall
Stephen J. Duall
Chief, Policy Branch



FEDERAL COMMUNICATIONS COMMISSION
APPLICATION FOR SPACE STATION SPECIAL TEMPORARY AUTHORITY
FOR OFFICIAL USE ONLY

APPLICANT INFORMATION

Enter a description of this application to identify it on the main menu:
AMC-5 S2156 STA REQUEST 12-4-2009 to 12-8-2009

I. Applicant

Name:	SES Americom, Inc.	Phone Number:	(202) 478-7137
DBA Name:		Fax Number:	(202) 478-7101
Street:	2001 L Street, NW Suite 800	E-Mail:	daniel.mah@ses.com
City:	Washington	State:	DC
Country:	USA	Zipcode:	20036 -
Attention:	Daniel C.H. Mah		

2. Contact	
Name: Karis A. Hastings	Phone Number: (202) 637-5767
Company: Hogan & Hartson L.L.P.	Fax Number: (202) 637-5910
Street: 555 Thirteenth Street, NW	E-Mail: KAHastings@HHLaw.com
City: Washington	State: DC
Country: USA	Zipcode: 20004 -1109
Attention:	Relationship:
(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).	
Governmental Entity <input type="radio"/> Noncommercial educational licensee	
Other (please explain):	
4b. Fee Classification CRY - Space Station (Geostationary)	
5. Type Request	
Change Station Location <input type="radio"/>	Extend Expiration Date <input type="radio"/>
	Other <input checked="" type="radio"/>
6. Temporary Orbit Location	
	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.)

See Attachment 1.

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
Daniel C.H. Mah

11. Title of Person Signing
Regulatory 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
(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

The public reporting for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the required data, and completing and reviewing the collection of information. If you have any comments on this burden estimate, or how we can improve the collection and reduce the burden it causes you, please write to the Federal Communications Commission, AMD-PERM, Paperwork Reduction Project (3060-0678), Washington, DC 20554. We will also accept your comments regarding the Paperwork Reduction Act aspects of this collection via the Internet if you send them to PRA@fcc.gov. PLEASE DO NOT SEND COMPLETED FORMS TO THIS ADDRESS.

Remember – You are not required to respond to a collection of information sponsored by the Federal government, and the government may not conduct or sponsor this collection, unless it displays a currently valid OMB control number or if we fail to provide you with this notice. This collection has been assigned an OMB control number of 3060-0678.

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.

REQUEST FOR SPECIAL TEMPORARY AUTHORITY

SES Americom, Inc. (doing business as “SES WORLD SKIES”), the licensee of the AMC-5 space station (Call Sign S2156), respectfully requests the expeditious grant of Special Temporary Authority (“STA”) for a period of one week. STA is sought to permit the AMC-5 satellite to drift slightly outside its assigned station-keeping box of 78.95° W.L. $\pm 0.05^{\circ}$ for brief periods between December 4 and December 8 to enable accurate thermal fuel gauging measurements to be taken for end-of-life planning purposes. Specifically, SES WORLD SKIES requests authority to allow AMC-5 to drift up to 0.0045° beyond the eastern (78.90° W.L.) edge of its assigned box for limited periods as indicated in Figure 1 below. These minor excursions result from the need to avoid station-keeping maneuvers during thermal fuel gauging.

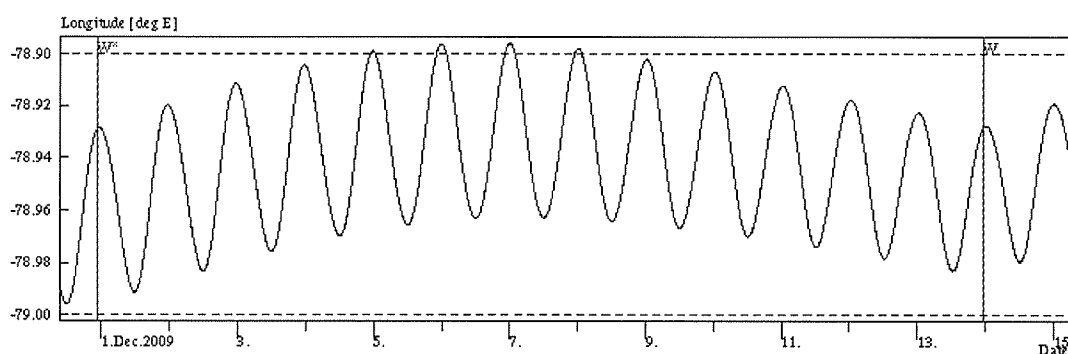


Figure 1

Grant of the requested authority will serve the public interest and is justified under Commission precedent. By enabling SES WORLD SKIES to measure more accurately the fuel remaining on the satellite, the proposed STA will enhance SES WORLD SKIES' ability to plan for the post-mission disposal of AMC-5 as required by the Commission's orbital debris mitigation policies.¹ Furthermore, operations of other satellites will not be adversely affected. To SES WORLD SKIES' knowledge, the only other satellite in the immediate vicinity of AMC-5 is SES WORLD SKIES' Satcom-C3 satellite (Call Sign S2447), which operates at 79.05° W.L. $\pm 0.05^{\circ}$. Because Satcom C-3 is to the west of AMC-5, the proposed excursions of AMC-5 outside its assigned station-keeping volume will take AMC-5 farther away from Satcom C-3's operating box. In addition, these minor excursions will have no impact on the neighboring Venesat-1 satellite at 78° W.L. AMC-5 does not share downlink frequencies in the Ku-band with Venesat-1, and earth stations transmitting to AMC-5 will not be re-pointed during the excursion. The Commission has granted regular authority for licensees to operate in an increased station-

¹ Commission policies require space station licensees to calculate and disclose the amount of fuel reserved for de-orbit maneuvers and take steps to address uncertainty in fuel gauging. See 47 C.F.R. § 25.114(d)(14)(iv); Disclosure of Orbital Debris Mitigation Plans, Including Amendment of Pending Applications, DA 05-2698, Report No. SPB-112, Sat Div. rel. Oct. 13, 2005 at 4 (orbital debris mitigation statements must include “the methods used to determine and address fuel gauging uncertainty”).

keeping volume when doing so has no adverse effect on adjacent satellite operations.² In light of that precedent, grant of temporary authority for the brief period proposed here is clearly consistent with Commission policies.

For all of these reasons, SES WORLD SKIES respectfully requests the expeditious grant of the requested one-week STA.

² See, e.g., *SES Americom, Inc. Application for Modification of Satcom SN-4 Fixed Satellite Space Station License*, Order and Authorization, 20 FCC Rcd 11542, 11545 (Sat. Div. 2005) (modifying spacecraft license to allow operation with a 0.1° East/West station-keeping tolerance based on finding that it would not adversely affect operations of other spacecraft and would conserve fuel for future operations).