

S2445 SAT-STA-20101129-00246 IB2010003616
SES Americom, Inc.
AMC-1

Date & Time Filed: Nov 29 2010 11:20:38:430AM
File Number: SAT-STA-20101129-00246
Callsign:



File # SAT-STA-20101129-00246
Call Sign S2445 Grant Date 12/02/10
(or other identifier) Term Dates Period of
From 12/02/10 To: 30 days Approved by OMB 3060-0678
Approved: *Stephen J. Duall*
Stephen J. Duall
Chief, Satellite 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:
S2445 (AMC-1) STA Request to Operate from 102.95-103.07 W.L.

1. Applicant

Name:	SES Americom, Inc.	Phone Number:	202-478-7137
DBA Name:		Fax Number:	202-478-7101
Street:	1129 20th Street NW Suite 1000	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
Company:	Hogan Lovells US LLP
Street:	555 Thirteenth Street N.W.
City:	Washington
Country:	USA
Attention:	
Phone Number:	(202) 637-5767
Fax Number:	(202) 637-5910
E-Mail:	karis.hastings@hoganlovells.com
State:	DC
Zipcode:	20004 -1109
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).	
<input type="radio"/> Governmental Entity <input type="radio"/> Noncommercial educational licensee	
<input type="radio"/> Other (please explain):	
4b. Fee Classification CRY - Space Station (Geostationary)	
5. Type Request	
<input type="radio"/> Change Station Location	<input type="radio"/> Extend Expiration Date
	<input checked="" type="radio"/> Other
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.)

SES Americom, Inc. seeks special temporary authority for 30 days to operate AMC-1, call sign S2445, up to 0.02 degrees beyond the western edge of its assigned stationkeeping box in order to mitigate interference from Galaxy 15.

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: STA Request

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.

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

In the Matter of Application of)	
)	
SES AMERICOM, INC.)	File No. SAT-STA-_____
)	Call Sign S2445
For Special Temporary Authority to)	
Operate AMC-1 Between 103.07° W.L.)	
And 102.95° W.L.)	

EXPEDITED ACTION REQUESTED

APPLICATION OF SES AMERICOM, INC.

SES Americom, Inc. (“SES Americom,” doing business as “SES WORLD SKIES”¹) hereby respectfully requests special temporary authority for a period of up to thirty days – commencing no later than December 3, 2010 – to operate the hybrid C-band/Ku-band AMC-1 satellite at up to 0.02 degrees outside of the western edge of its assigned stationkeeping box of 103.0° W.L. +/- 0.05 degrees. In other words, SES WORLD SKIES is seeking authority to temporarily operate the AMC-1 satellite in an expanded stationkeeping box bounded by 103.07° W.L. on the west and 102.95° W.L. on the east. Grant of the requested authority will serve the public interest by enabling SES WORLD SKIES to provide continuity of service on AMC-1 by mitigating potential interference from the Galaxy 15 satellite (call sign S2387) – licensed to PanAmSat Licensee Corporation (“PanAmSat”) – as Galaxy 15 drifts past the nominal 103° W.L. orbital location with its payload active.

¹ SES WORLD SKIES is the commercial brand name for the integrated operations of two indirect subsidiaries of SES S.A.: SES Americom and New Skies Satellites B.V. (effective January 1, 2009). The new brand name does not affect the underlying legal entities that hold Commission authorizations or U.S. market access rights.

AMC-1 is currently licensed to operate in both the conventional C-band (3700-4200 MHz and 5925-6425 MHz) and the conventional Ku-band (11.7-12.2 GHz and 14.0-14.5 GHz) at 103.0° W.L. with an east/west stationkeeping tolerance of +/- 0.05 degrees.² Galaxy 15 is a C-band spacecraft formerly assigned to the 133.0° W.L. orbital location. As the Commission is aware, Galaxy 15 experienced a technical anomaly in early April and has since been drifting in an uncontrolled manner across the geostationary arc with its C-band payload still active. Galaxy 15 is expected to approach AMC-1 at the nominal 103° W.L. orbital location starting as early as December 3, 2010, and will likely cause harmful interference to C-band services on AMC-1 unless appropriate mitigation measures are taken.

In consultation with its customers and with PanAmSat, SES WORLD SKIES will be implementing a number of measures to mitigate the potential for harmful interference from Galaxy 15, including re-routing AMC-1 uplink transmissions to antennas located outside of Galaxy 15's predicted C-band footprint. As part of these mitigation measures, SES WORLD SKIES may need to drift AMC-1 outside of the western edge of its assigned stationkeeping box by up to 0.02 degrees, *i.e.*, AMC-1 may need to operate as far west as 103.07° W.L. The AMC-1 satellite will remain within the eastern edge of its assigned stationkeeping box (102.95° W.L.).

Accordingly, SES WORLD SKIES requests authority to temporarily operate AMC-1 within an expanded stationkeeping box of 103.07° W.L. on the west and 102.95° W.L. on the east for purposes of mitigating potential interference from Galaxy 15.³ Grant of the

² See *Applications of GTE Spacenet Corp. and GE American Communications, Inc.*, Order and Authorization, 9 FCC Rcd 1271 (Com. Car. Bur. 1994) (reassigning the GE-1 satellite from 85° W.L. to 103° W.L.). SES Americom was formerly known as GE American Communications, Inc., and AMC-1 was previously designated GE-1.

³ To the extent necessary, SES WORLD SKIES requests a waiver of 47 C.F.R. § 25.210(j), which requires U.S.-licensed geostationary satellites to be "maintained within 0.05° of their

requested authority will serve the public interest by enabling SES WORLD SKIES to maintain continuity of C-band service on the AMC-1 satellite as Galaxy 15 approaches the 103° W.L. orbital location. Such a small, temporary shift will have a negligible impact on Ku-band services on AMC-1 due to the wider beamwidths of the smaller antennas typically deployed in the Ku-band.

Grant of the requested authority will not adversely affect other authorized operations. AMC-1 will not be located at the same orbital location as another satellite or at an orbital location that has an overlapping stationkeeping volume with another satellite. An excursion of a mere 0.02 degrees beyond the western edge of AMC-1's existing stationkeeping box will also have no interference impact on adjacent satellites. The closest C-band satellite to the west of AMC-1 is AMC-18, which is operated by SES Americom's subsidiary, SES Satellites (Gibraltar) Limited ("SES Gibraltar"). The operation of AMC-1 during the minor excursion has been coordinated with SES Gibraltar. The next closest satellites to the west are Anik F1 and Anik F1R, located more than four degrees away at 107.3° W.L.

SES WORLD SKIES 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 WORLD SKIES 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.

assigned orbital longitude in the east/west direction, unless specifically authorized by the Commission to operate with a different longitudinal tolerance."

For the foregoing reasons, SES WORLD SKIES seeks temporary authority for a period of up to 30 days beginning on December 3, 2010, to operate AMC-1 between 103.07° W.L. and 102.95° W.L.

Respectfully submitted,

SES AMERICOM, INC.

By: /s/ Daniel C.H. Mah

Of Counsel

Karis A. Hastings
Hogan Lovells US LLP
555 13th Street, N.W.
Washington, D.C. 20004-1109
Tel: (202) 637-5600

Daniel C. H. Mah
Regulatory Counsel
SES Americom, Inc.
Four Research Way
Princeton, NJ 08540

Dated: November 29, 2010