

Approved by OMB
3060-0678

Date & Time Filed: Mar 2 2006 6:32:56:763PM

File Number: SAT-STA-20060302-00018

Callsign: S2446 - Satcom C4

FEDERAL COMMUNICATIONS COMMISSION
APPLICATION FOR SPACE STATION SPECIAL TEMPORARY AUTHORITY

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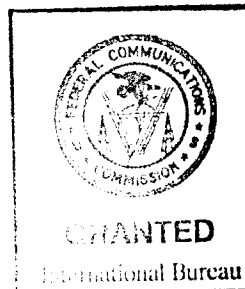
APPLICANT INFORMATION

Enter a description of this application to identify it on the main menu:

C-4 STA Request 3/2006

1. Applicant

Name:	SES Americom, Inc.	Phone Number:	609-987-4000 x4187
DBA Name:		Fax Number:	609-987-4233
Street:	4 Research Way	E-Mail:	nancy.eskenazi@ses-amicom.com
City:	Princeton	State:	NJ
Country:	USA	Zipcode:	08540 -
Attention:	Ms. Nancy J. Eskenazi		



File # SAT-STA-20060302-00018

Call Sign S2446 Grant Date 4/19/06

(or other identifier) **Term Dates**
From 4/19/06 To: + 120 days

Approved: [Signature]

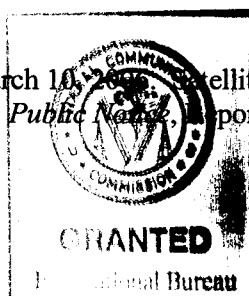
w/conditions Policy Branch Chief

ATTACHMENT
Conditions of Authorization
IBFS File No. SAT-STA-20060302-00018
April 19, 2006

The application of SES Americom, Inc. (SES Americom), SAT-STA-20060302-00018, Call Sign S2446,¹ IS GRANTED. Accordingly, SES Americom is authorized, for the period of 120 days commencing on April 19, 2006, to conduct Telemetry, Tracking and Control operations related to the relocation of the Satcom C-4 satellite from the 85° W.L. orbital location to the 103.1° W.L. orbital location in accordance with the terms, conditions, and technical specifications set forth in its application, the Commission's rules, and this attachment:

1. During the relocation to the 103.1° W.L. orbital location, and while at the 103.1° W.L. orbital location, SES Americom shall not operate the main communications payload on Satcom C-4.
2. SES Americom shall coordinate all drift orbit Telemetry, Tracking, and Control operations with other potentially affected in-orbit operators.
3. During relocation of the Satcom C-4 to the 103.1° W.L. orbital location, and while at the 103.1° W.L. orbital location, operations shall be on a non-harmful interference basis, meaning that SES Americom shall not cause interference to, and shall not claim protection from interference caused to it by, any other lawfully operating satellites.
4. In the event that any harmful interference is caused as a result of operations during the relocation of the Satcom C-4, SES Americom shall cease operations immediately upon notification of such interference and shall inform the Commission immediately, in writing, of such an event.
5. SES Americom shall inform the Commission, through a letter to the Chief, Satellite Division, FCC, within five business days following the date on which the Satcom C-4 satellite departs the 85° W.L. orbital location, and again within five business days following the arrival of the Satcom C-4 satellite at the 103.1° W.L. orbital location.
6. Any action taken or expense incurred as a result of operations pursuant to this temporary authorization is solely at the risk of SES Americom.
7. This action is without prejudice to Commission action on any other pending request for authority to operate the Satcom C-4 satellite. See IBFS File Nos. SAT-PPL-20060330-00035 and SAT-STA-20060330-00034.
8. This action is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. § 0.261, and is effective immediately.

¹ The Application was accepted for filing on March 10, 2006. (Public Notice, Policy Branch Information, 10, 2006). No comments were filed.



File # SAT-STA-20060302-00018
Call Sign S2446
Grant Date 4/19/06
Term Dates To: + 120 days
Approved: [Signature]
Policy Branch Chief

w/conditions

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: 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 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 checked="" type="radio"/> Change Station Location <input type="radio"/> Extend Expiration Date <input type="radio"/> Other	
6. Temporary Orbit Location 103.1	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 Att. 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
Nancy J. Eskenazi

11. Title of Person Signing
Vice President & Associate General Counsel

12. Please supply any need attachments.

Attachment 1: Att. 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

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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 Application by)
SES AMERICOM, INC.)
For Special Temporary Authority)
To Relocate Satcom C-4 to 103.1° W.L.)

File No. SAT-STA- 20060302-
00018

EXPEDITED ACTION REQUESTED

APPLICATION OF SES AMERICOM, INC.

SES Americom, Inc. ("SES Americom") hereby respectfully requests special temporary authority for a period of 120 days to relocate the Satcom C-4 C-band satellite from 85° W.L. to the 103.1° W.L. orbital position and to operate the C-band TT&C payload at that location. SES Americom does not propose to provide C-band services over the satellite at 103.1° W.L. Grant of the instant request will facilitate the planned further relocation of Satcom C-4 to 105° W.L., where the satellite would operate pursuant to a license to be issued by the Gibraltar Regulatory Authority. It will also permit SES Americom to put Satcom C-4 in position to provide back-up capacity as needed in that portion of the arc.

Satcom C-4 is a C-band only satellite that is currently licensed to operate at the 85° W.L. orbital position.¹ At that position, Satcom C-4 is collocated with AMC-2, a C/Ku-band hybrid spacecraft. C-band communications capacity at

¹ See File No. SAT-MOD-20040504-00089, granted Sept. 8, 2004.

85° W.L. is being provided by AMC-2, and Satcom C-4 is acting as an in-orbit spare, with no services currently being offered on the spacecraft.

A wholly-owned subsidiary of SES Americom, SES Satellites (Gibraltar) Ltd., has applied for and expects to obtain shortly a license from the Gibraltar Regulatory Authority that will authorize operation of Satcom C-4 from the 105° W.L. orbital location. SES Americom is preparing the necessary applications to relinquish its U.S. license for Satcom C-4 and to request authority for continued communications with the satellite by U.S.-licensed earth stations once Satcom C-4 is operating under a foreign license.

SES Americom proposes to relocate Satcom C-4 from 85° W.L. to 103.1° W.L. to permit the drift of the spacecraft to begin while these further actions relating to ultimate operation of the spacecraft at 105° W.L. are pending.² Grant of this request will also put Satcom C-4 in a position to be available if needed for back-up capacity in that portion of the orbital arc.

The proposed relocation of Satcom C-4 and operation of the spacecraft TT&C payload at that location will not adversely affect any party. As noted above, there are no customers currently taking service on Satcom C-4 who would be displaced by the proposed move. Nor would any other operator be adversely affected. SES Americom operates C/Ku-band hybrids at 101° W.L. and 103° W.L.,

² If authority relating to operation of Satcom C-4 at 105° W.L. is received while the spacecraft is drifting, SES Americom will likely continue drifting the spacecraft directly to 105° W.L., rather than stopping at 103.1° W.L.

and will coordinate operations among its spacecraft to ensure that no harmful interference results from TT&C communications with Satcom C-4 at 103.1° W.L. There are currently no C-band operations at 105° W.L. (SES Americom operates the Ku/Ka-band hybrid AMC-15 at that location.)

For the Commission's convenience, SES Americom is attaching contour maps showing the coverage of Satcom C-4 from the 103.1° W.L. location. However, as noted above, SES Americom is only proposing to operate the C-band TT&C payload of Satcom C-4 from that position, not to provide communications services.

SES Americom seeks temporary authority to relocate Satcom C-4 to 103.1° W.L. and to operate its C-band TT&C payload at that location pursuant to the following conditions:

(a) SES Americom seeks authority for a period of 120 days to drift Satcom C-4 to 103.1° W.L. and to operate the Telemetry, Tracking and Control (TT&C) of the Satcom C-4 satellite at the 103.1° W.L. orbital location, in accordance with the terms, conditions, and technical specifications set forth in its application and with the Commission's Rules.

(b) SES Americom's operations shall not cause harmful interference to any lawfully operating in-orbit satellites, SES Americom shall cease operations immediately upon notification of such interference, and SES Americom shall notify the Commission in writing within 3 days of such an event.

(c) SES Americom will accept interference from any lawfully operating in-orbit satellites or radiocommunication systems.

(d) SES Americom's operations at 103.1° W.L. shall be limited solely to TT&C operations and shall not include the provision of commercial services.

(e) SES Americom shall coordinate its Tracking, Telemetry, Command, and Monitoring (TTC&M) operations with existing geostationary satellites to ensure that no unacceptable interference results from its TTC&M operations during the drift of Satcom C-4 to 103.1° W.L. or while Satcom C-4 is located at 103.1° 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 120 days to relocate Satcom C-4 to 103.1° W.L. and to operate only the C-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

Nancy J. Eskenazi
Vice President and
Associate General Counsel
SES Americom, Inc.
Four Research Way
Princeton, NJ 08540

Of Counsel

Peter A. Rohrbach
Karis A. Hastings
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Washington, D.C. 20004-1109
Tel: (202) 637-5600

Dated: March 2, 2006

Fig 1. C-band transmit antenna gain contours (103.1W)
Peak EIRP = 41.2 dBW
Transponder 12, H-Polarization
SES Americom C-4

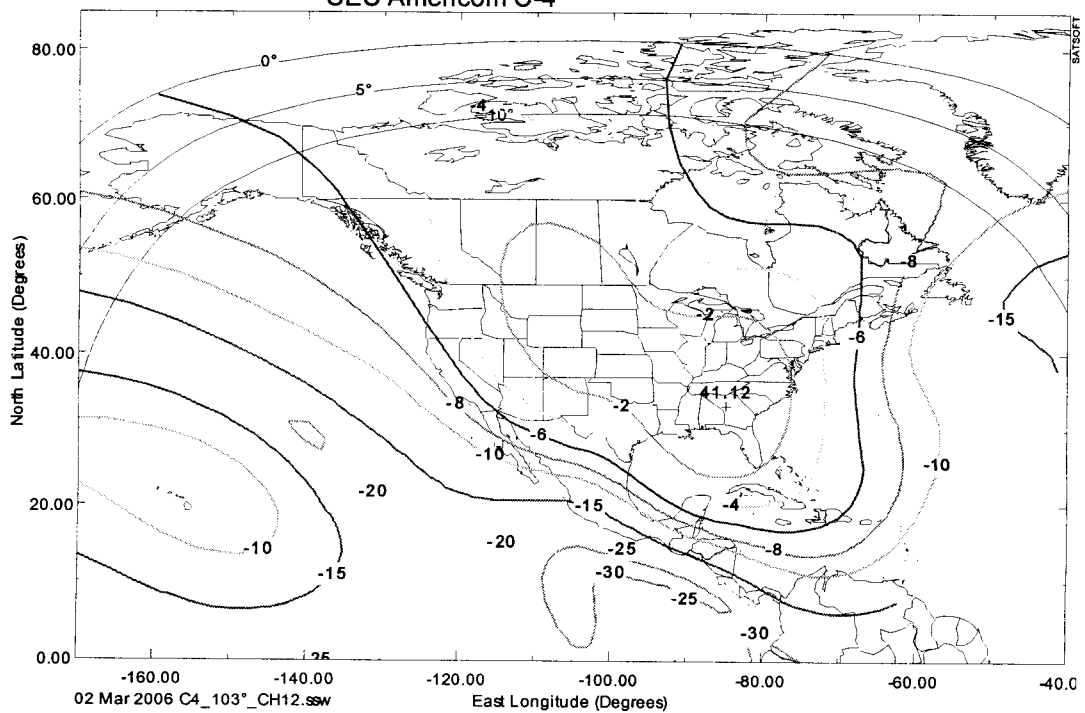
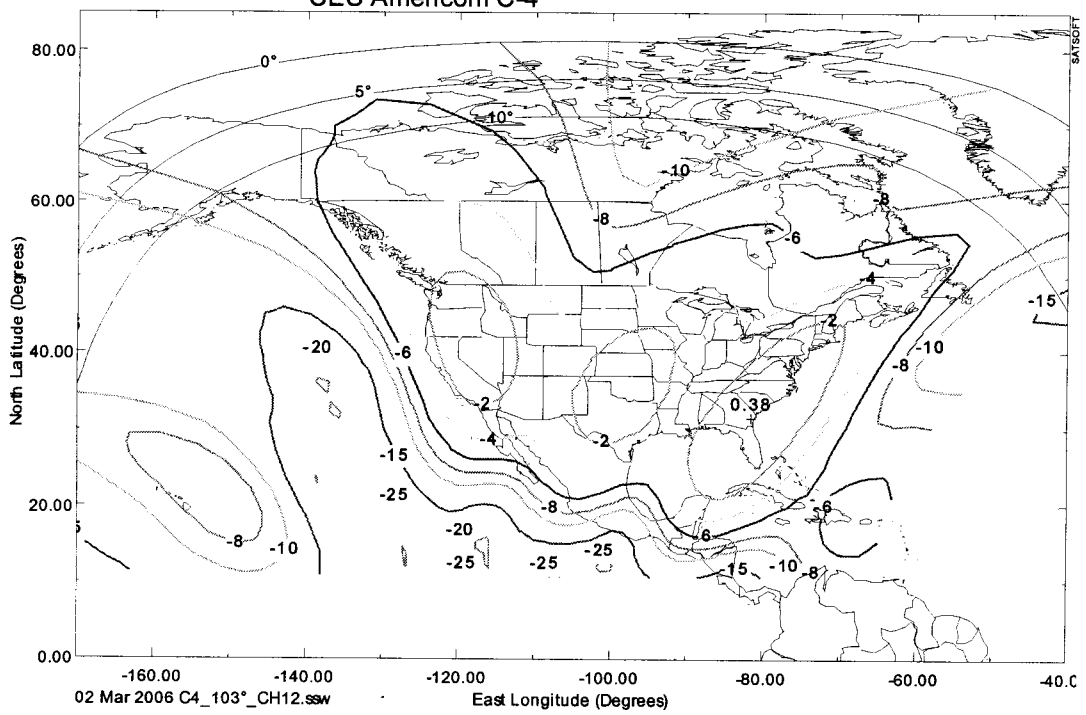
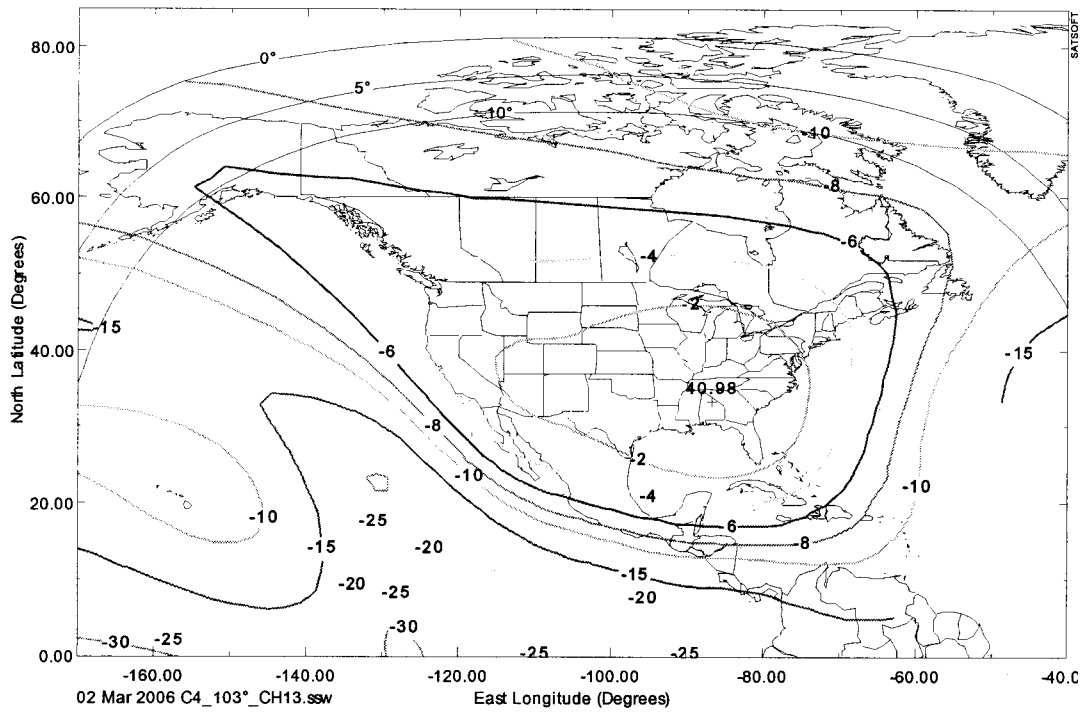


Fig 2. C-band receive antenna gain contours (103.1°W)
Peak G/T = 0.4 dB/K
Transponder 12, V-Polarization
SES Americom C-4



**Fig 3. C-band transmit antenna gain contours(103.1°W)
Peak EIRP = 41.0 dBW
Transponder 13, V-Polarization**



**Fig 4. C-band receive antenna gain contours(103.1°W)
Peak G/T = 0.8 dB/K
Transponder 13, H-Polarization**

