



SAT-MOD-20040504-00089
with attached conditions
S2446 Grant Date Sept 8, 2004

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File Number: SAT-MOD-20040504-00089

Term Dates Approved by OMB 3060-0678
From: See Conditions To: See Conditions
Approved: *Robert G Nelson* Chief Satellite Engineering 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:
C-4 Modification to 85 W.L.

1-8. Legal Name of Applicant

Name:	SES Americom, Inc.	Phone Number:	609-987-4000 x4187
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Attention:	Ms Nancy Eskenazi		

Attachment
Conditions of Authorization
September 8, 2004

1. SES Americom, Inc.'s ("SES Americom") request, File Nos. SAT-MOD-20040504-00089, to modify its authorization, SAT-LOA-19880930-00040 (Call Sign S2446), IS GRANTED. Accordingly, SES Americom is authorized to relocate its Satcom C-4 C-band satellite from 135° W.L. to 85° W.L. and operate it at the 85° W.L. orbital location¹. After the drift, Satcom C-4 will operate at the 85° W.L orbital location in the 3700-4200 MHz, and 5925-6425 MHz frequency bands in accordance with the terms, conditions, and technical specifications set forth in its application, this Attachment and the Federal Communications Commission's Rules ("Commission").
2. SES Americom's request for a waiver of the Section 25.114(d)(3) requirement which requires space station antenna gain contours for each transmit and receive antenna beam to be plotted on a map showing the antenna gains at 2, 4, 6, 8, 10, 15, 20 dB below the peak values IS GRANTED. Although SES Americom has provided a contour map, it does not provide antenna gain contours on the extreme edges of the outer contours due to limitations of the data received from the satellite manufacturer. Grant of this waiver is consistent with previous Commission actions.²
3. During the drift of the Satcom C-4 satellite from the 135° W.L. location to the 85° W.L. orbital location, SES Americom shall not operate the communications payload on the satellite.
4. During the drift, SES Americom shall coordinate all its Tracking, Telemetry, and Command (TT&C) operations with existing geostationary satellites to ensure no unacceptable interference results from its TT&C operations.
5. During the drift, Satcom C-4 shall not cause harmful interference to any other lawfully operating in-orbit satellite, and SES Americom must terminate operations on Satcom C-4 immediately upon notification of such interference and shall inform the Commission in writing immediately of such an event.

¹ On September 3, 2004, the Engineering Branch granted SES Americom's applications, File No. SAT-AMD-20040319-00041 and File No. SAT-AMD-20040421-00084, to relocate and operate AMC-9 hybrid C/Ku-band satellite, Call Sign S2434, from 85° W.L. to 83° W.L. orbital location upon the successful launch and operation of AMC-16 hybrid Ku/Ka-band satellite into the 85° W.L. orbital location, Call Sign S2181, File No. SAT-MOD-20040227-00022. See Policy Branch Information, Actions Taken, *Public Notice*, DA No. 04-2884, Report No. SAT-00239 (rel. Sept. 3, 2004).

² See SES Americom, Inc., Application for Modification of Space Station Authorization, *Order and Authorization*, DA 04-1581 (rel. May 27, 2004).

6. During the drift, SES Americom is required to accept interference from other lawfully operating in-orbit satellites.
7. SES Americom must inform the Commission in writing that it has begun relocation of the satellite upon commencement of maneuvers to drift Satcom C-4 to 85° W.L.
8. The license term for the Satcom C-4 satellite, Call Sign S2446, expires October 16, 2007, 15 years from the date that operations on Satcom C-4 commenced.
9. SES Americom shall prepare the necessary information, as may be required, for submission to the ITU to initiate and complete the advance publication, international coordination, due diligence, and notification process of this space station, in accordance with the ITU Radio Regulations. SES Americom shall be held responsible for all cost recovery fees associated with these ITU filings. We also note that 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, by successfully completing coordination agreements. 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 C.F.R. § 25.111(b).
10. SES Americom must provide a written statement to the Commission within 60 days of the date of this grant that identifies any known satellites located at, or planned to be located at, SES Americom's assigned orbital location, or assigned in the vicinity of that location such that the station-keeping volume of the respective satellites might overlap, and that states the measures that will be taken to prevent in-orbit collisions with such satellites. This statement should address any licensed Commission systems, or any systems applied for and under consideration by the Commission. The statement need not address every filing with the ITU that meets these criteria, but should assess and address any systems reflected in ITU filings that are in operation or that SES Americom believes may be progressing toward launch, *e.g.* by the appearance of the system on a launch vehicle manifest. If SES Americom elects to rely on coordination with other operators to prevent in-orbit collisions, it shall provide a statement as to the manner in which such coordination will be effected.
11. SES Americom is afforded thirty days from the date of release of this grant to decline this grant as conditioned. Failure to respond within this period will constitute formal acceptance of the grant as conditioned.
12. This Grant is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. § 0.261, and is effective upon release. Petitions for reconsideration under Section 1.106 or applications for review under Section 1.115 of the Commission's rules, 47 C.F.R. §§ 1.106, 1.115, may be filed within 30 days of the date of the public notice indicating that this action was taken.