

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
STA Request to Use E980076 for TT&C to Relocate NSS-806 to 47.5W

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		

File # SES-STA-20130722-00649
E980076 Grant Date 8-29-13
Call Sign (or other identifier) 8-29-13
From 8-29-13 To 9-28-13
Approved: Daniel C.H. Mah
International Bureau
GRANTED

Applicant: SES Americom, Inc.
Call Sign: E980076
File No.: SES-STA-20130722-00649

SES Americom, Inc. (SES Americom) is granted special temporary authority, with conditions, to operate its fixed earth station at its Bristow, Virginia, teleport, Call Sign E980076, for 30 days from August 29, 2013, to provide Tracking, Telemetry and Command of the Netherlands-licensed NSS-806 satellite as it drifts from 40.5° W.L. to 47.5° W.L. and to maintain the satellite at 47.5° W.L. (+/- 0.1 degrees) orbital location on the following center frequencies: Telecommand 1 6173.7 MHz, Telecommand 2 6176.3 MHz, Telemetry 1 & 1A 3947.5, 3948 MHz, Telemetry 2 & 2A 3952.5, 3952 MHz and Tracking Beacon 3950 MHz. The STA is granted under the following conditions:

- 1) SES Americom shall not cause harmful interference to, and shall not claim protection from interference caused to it by any other lawfully operating radio communication system.
- 2) In the event of any harmful interference as a result of operations under this grant of special temporary authority, SES Americom shall cease operations immediately upon notification of such interference and shall immediately inform the Commission, in writing, of such an event.
- 3) This grant does not authorize U.S. market access for the NSS-806 satellite at the 47.5° W.L. orbital location.
- 4) Any action taken or expense incurred as a result of operations pursuant to this STA is solely at SES Americom's risk.
- 5) Grant of this authorization is without prejudice to any future FCC enforcement action in connection with any unauthorized operation of radio facilities.
- 6) Grant of this authorization is without prejudice to any determination that the Commission may make regarding pending or future SES Americom applications.

 GRANTED International Bureau	File # <u>SES-STA-20130722-00649</u>
	Call Sign <u>E980076</u> Grant Date <u>8-29-13</u>
	(or other identifier)
	From <u>8-29-13</u> Term Dates To: <u>9-28-13</u>
	Approved: <u>Paul E. Blair</u>

2. Contact	
Name: Daniel C.H. Mah	Phone Number: 202-478-7137
Company: SES Americom, Inc.	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	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 CGX - Fixed Satellite Transmit/Receive Earth Station	
5. Type Request	
<input type="radio"/> Use Prior to Grant <input type="radio"/> Change Station Location <input checked="" type="radio"/> Other	
6. Requested Use Prior Date	
7. City Bristow	8. Latitude (dd mm ss.s h) 38 47 1.0 N

9. State VA	10. Longitude (dd mm ss.s h) 77 34 23.0 W
11. Please supply any need attachments. Attachment 1: E980076 STA Narr Attachment 2: Attachment 3:	
12. 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.) Request for 30-day STA to use E980076 for TT&C to relocate NSS-806 from 40.5W to 47.5W. SES respectfully requests expedited action by August 9, 2013. See attached narrative.	
13. 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 <input checked="" type="radio"/> No <input type="radio"/>	
14. Name of Person Signing Daniel C.H. Mah	15. Title of Person Signing 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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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.

APPLICATION FOR SPECIAL TEMPORARY AUTHORITY

(E980076; antenna 9.3M)

*** Expedited Action Requested ***

SES Americom, Inc. (“SES”) hereby requests a 30-day Special Temporary Authority (“STA”) to operate its 9.3 meter antenna (call sign E980076; antenna 9.3M) at its Bristow, Virginia, teleport to perform TT&C for the Netherlands-licensed NSS-806 satellite: (1) to drift the satellite from 40.5° W.L. to 47.5° W.L.; and (2) to maintain the satellite at 47.5° W.L. (+/- 0.1 degrees).¹ SES respectfully requests expedited grant of this STA by **August 9, 2013**, to enable the satellite relocation to be completed before the start of the eclipse season (*i.e.* by 29 August 2013).

Authority Requested. Specifically, SES is requesting authority to use the 9.3M antenna on E980076 to perform TT&C with the NSS-806 using the following conventional C-band frequencies during drift and on-station:²

Telecommand 1	6173.7 MHz
Telecommand 2	6176.3 MHz
Telemetry 1 & 1A	3947.5, 3948 MHz
Telemetry 2 & 2A	3952.5, 3952 MHz
Tracking Beacon	3950 MHz

SES is requesting authority to operate with a maximum EIRP of 77 dBW and EIRP density of 53.5 dBW/4 kHz for its telecommand uplinks. This is less than the maximum coordinated EIRP allowed under earth station license E980076, and is less than the maximum coordinated EIRP density for another antenna at the same teleport (call sign E000696) located a mere 125 feet away.³

In any event, all STA operations will be conducted on a non-interference basis. SES will coordinate all drift operations with potentially affected satellite operators in accordance with standard industry practice. SES will cease operations upon notice of any harmful interference caused by the proposed operations. The SES point of contact for all operations proposed under the requested STA is Gary Cruickshank, +1 (703) 367 7311, gary.cruickshank@ses.com.

Public Interest Statement. Grant of the requested STA will serve the public interest. The NSS-806 satellite will be replaced at its current orbital location 40.5° W.L. by the recently launched SES-6 satellite, thus ensuring continuity of service at the 40.5° W.L.

¹ See File No. SAT-MPL-20130528-00078 (filed May 28, 2013) (requesting modification of NSS-806 market access to reflect a change in orbital location from 40.5° W.L. to 47.5° W.L.).

² The FCC has previously granted a waiver of 47 C.F.R. 25.202(g) for NSS-806’s center-of-band TT&C frequencies. See *New Skies Satellites N.V.*, 16 FCC Rcd 6740, at ¶ 22 (2001).

³ To the extent necessary, SES requests a waiver of the requirement in 47 C.F.R. § 25.203 for a fresh coordination report for the higher EIRP density of the TT&C transmissions of this antenna. There is no additional risk of harmful interference due to the close proximity of another antenna in the same frequency band that is coordinated and authorized to transmit at this higher EIRP density to the 40.5° W.L. orbital position.

orbital position. In turn, the relocation of NSS-806 to 47.5° W.L. will enable SES and its affiliates to augment services already being provided to the public by another SES-affiliated satellite at the 47.05° W.L. orbital location.⁴

Waiver Requests. To the extent necessary, SES hereby incorporates by reference the waiver requests associated with NSS-806 in File No. SAT-MPL-20130528-00078 (filed May 28, 2013), including the waiver requests for Section 25.202(g) (edge-of-band TT&C) and Section 25.210(j) (+/-0.05 degree east/west stationkeeping) of the Commission's rules.⁵

⁴ SES's affiliate, SES Satellites (Gibraltar) Limited, is already authorized to provide service to the United States using the NSS-703 satellite at the 47.05° W.L. orbital position. The SES affiliates will coordinate the operations of the two satellites to avoid harmful interference between them.

⁵ 47 C.F.R. §§ 25.202(g) and 25.210(j).