


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 E000102 for TT&C with SES-6

1. Applicant

Name: SES Americom, Inc. **Phone Number:** 202-478-7137
DBA Name: **Fax Number:** 202-478-7101
Street: 1129 20th Street NW **E-Mail:** daniel.mah@ses.com
Suite 1000
City: Washington **State:** DC
Country: USA **Zipcode:** 20036
Attention: Daniel C.H. Mah

SES-STA-20130603-00466
E000102
Call Sign (or other identifier) Grant Date 6-11-13
From 6-11-13 Term Dates To 7-11-13
Approved: [Signature] E. Mah



Applicant: SES Americom, Inc.
Call Sign: E000102
File No.: SES-STA-20130603-00466
Special Temporary Authority (STA)

SES Americom, Inc.(SES) is grant STA under the following conditions for 30 days for earth station Call Sign E000102 at Bristow, Virginia to use transmit frequencies: 14.0 GHz, 14.499 GHz and receive frequencies: 11.701 GHz, 11.7005 GHz, 12.1995 GHz to perform telemetry, tracking, and control ("TT&C") operations for SES-6 satellite, Call Sign S2870, during in-orbit testing (IOT) at 26° W.L. to its permanent orbital location 40.5° W.L.

1. Operations under this STA are subject to this STA's application Narrative, and subject to terms, conditions, and technical specifications set forth in SES' s pending application SAT-PPL-20120717-00117.
2. All operations under this grant of STA shall be on an unprotected and non-harmful interference basis. SES shall not cause harmful interference to, and shall not claim protection from interference caused to it by, any other lawfully operating radio communication system.
3. In the event of any harmful interference as a result of operations under this grant of STA, SES shall cease operations immediately upon notification of such interference and shall immediately inform the Commission, in writing, of such an event.
4. SES point of contact for TT&C operations is Gary Cruickshank, 703-330-3305, gary.cruickshank@ses.com
5. Grant of this authorization is without prejudice to any determination that the Commission may make regarding EchoStar pending application IBFS File No. SAT-PPL-20120717-00117.
6. 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.



File # SES-STA-20130603-00466
Call Sign E000102 Grant Date 6-11-13
(or other identifier)
From 6-11-13 Term Dates 7-11-13
To: 7-11-13
Approved: [Signature]

2. Contact	
Name: SES Americom, Inc.	Phone Number: 202-478-7137
Company:	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 IB2013001165	
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 checked="" type="radio"/> Use Prior to Grant <input type="radio"/> Change Station Location <input type="radio"/> Other	
6. Requested Use Prior Date 06/14/2013	
7. City Bristow	
8. Latitude (dd mm ss.s h) 38 47 0.5 N	

9. State VA	10. Longitude (dd mm ss.s h) 77 34 22.8 W
11. Please supply any need attachments. Attachment 1: E000102 STA Attachment 2: Attachment 3: 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.) <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">SES requests an STA to use E000102 for TT&C with SES-6 at 26W and to relocate SES-6 to 40.5W. SES respectfully requests expedited action by June 14, 2013. See attached narrative.</div>	
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"; party to the application; for these purposes. <p style="text-align: center;">Yes <input checked="" type="radio"/> No <input type="radio"/></p>	
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

Call Sign E000102

SES Americom, Inc. (“SES”) respectfully requests a 30-day Special Temporary Authority (“STA”) to use the 8.1 meter (antenna 1) on earth station license E000102 to perform TT&C with the Netherlands-licensed SES-6 satellite (call sign S2870):

- (a) during in-orbit testing of the satellite at 26° W.L.; and
- (b) to drift of the satellite from 26° W.L. to its regularly authorized location at 40.5° W.L.

SES seeks authority to use Antenna 1 to perform TT&C frequencies for SES-6 using the following TT&C frequencies, all of which are in the conventional Ku-band:

Table 1. TT&C on-station frequencies, polarizations and beams

Carrier Type	Frequency (MHz)	Polarization Type	Beam
Command 1	14000	V	Global horn
Command 2	14499	H	Global horn
Telemetry 1	11701	H or V	Global horn
Telemetry 2	11700.5	H or V	Global horn
Telemetry 3	12199.5	H	Global horn

Table 2. TT&C transfer and emergency frequencies, polarizations and beams

Carrier Type	Frequency (MHz)	Polarization Type	Beam
Command 1	14000	L or R	Dual Omni’s
Command 2	14499	L or R	Dual Omni’s
Telemetry 1	11701	L or R	Dual Omni’s
Telemetry 2	11700.5	L or R	Dual Omni’s
Telemetry 3	12199.5	L or R	Dual Omni’s

TT&C transmissions under the requested STA will not exceed the maximum EIRP and EIRP density listed on earth station license E000102 for antenna 1. Specifically, transmitted EIRP will not exceed 85.40 dBW and transmitted EIRP density will not exceed 59.80 dBW/4 kHz. The SES point of contact for the proposed TT&C operations is Gary Cruickshank, 703-330-3305, gary.cruickshank@ses.com.

A full description of the SES-6 satellite can be found in the pending application for U.S. market access for SES-6 at 40.5° W.L. See File No. SAT-PPL-20120717-00117; Call Sign S2870 (accepted for filing Aug. 31, 2012). The SES-6 satellite will be operated under Netherlands authority and will be registered on the Netherlands’ national registry of space objects.

Grant of the requested STA will serve the public interest by enabling safe operation of a brand new satellite during IOT and during relocation of the satellite to its authorized orbital location.