

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
30-day STA to use E120055 to de-orbit NSS-703

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		

30days "With cond. Provs"



File # SES-STA-20140925-00778

Call Sign E120055 Grant Date 10/02/2014
(or other identifier)

Term Dates From 10/06/2014 To 11/04/2014

Approved: [Signature]

Applicant: SES Americom, Inc.

Call Signs: E090060, E120055


File Nos.: SES-STA-20140925-00777, SES-STA-20140925-00778

SES Americom, Inc. (SES) is granted special temporary authority, for 30 days, beginning October 6, 2014, to use Call Signs E090060, E120055 to perform Tracking, Telemetry and Command (TT&C) to retire the NSS 703 satellite currently at the 47.05° W.L. orbital location under the following conditions.

- 1) Operations shall not cause harmful interference to, and shall not claim protection from interference caused by any other lawfully operating station. SES will cease transmissions immediately upon notice of such interference.
- 2) Any action taken or expense incurred as a result of operations pursuant to this authority is solely at SES's risk.

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.

30 days

 GRANTED International Bureau	File # <u>SES-STA-20140925-00778</u>
	Call Sign <u>E120055</u> Grant Date <u>10/02/2014</u> (or other identifier)
	Term Dates From <u>10/06/2014</u> To <u>11/04/2014</u>
	Approved: <u>Paul E. Glass</u>

2. Contact

Name: SES Americom, Inc. **Phone Number:** 202-478-7137
Company: **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: **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?

If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114).

Governmental Entity Noncommercial educational licensee

Other (please explain):

4b. Fee Classification CGX – Fixed Satellite Transmit/Receive Earth Station

5. Type Request

Use Prior to Grant

Change Station Location

Other

6. Requested Use Prior Date
10/07/2014

7. City/Mount Airy

8. Latitude
(dd mm ss.s h) 39 22 37.0 N

9. State MD	10. Longitude (dd mm ss.s h) 77 4 46.0 W
11. Please supply any need attachments. Attachment 1: Narrative 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 E120055 to de-orbit NSS-703. 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"; 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.

APPLICATIONS FOR SPECIAL TEMPORARY AUTHORITY

(Call Signs E120055 and E090060)

SES Americom, Inc. (“SES”) respectfully requests Special Temporary Authority (“STA”) – to commence no later than October 7, 2014 – to use the following additional earth stations to perform Tracking, Telemetry and Command (“TT&C”) to retire the NSS-703 satellite currently at 47.05° W.L.:

SES Designation	FCC Call Sign	Antenna Model	Coordination Arc	Use During De-orbit	Max EIRP dBW	Max EIRP Density dBW/4kHz
Woodbine T2	E120055 Ant#1	13m Vertex	15W-142W	47.05W-142W	84.09	57.1
Sunset Beach C2	E090060 C2	9MKP Vertex	83W-233W	83W-233W	77.9	53.9

During the maneuvers to retire NSS-703, these earth stations will communicate with the satellite on the following TT&C frequencies:

Command 1	6173.7 MHz
Command 2	6176.3 MHz
Telemetry 1	3947.5 or 3948 MHz
Telemetry 2	3952.5 or 3952 MHz

The Woodbine T2 earth station (Call Sign E120055) will be operated in accordance with the earth station’s licensed and coordinated technical parameters, as noted above. The Sunset Beach C2 earth station (Call Sign E090060) will be operated in accordance with the parameters contained in the coordination report accompanying the E090060 STA request (summarized in the Table above). An updated radiation hazard report is also attached to that STA request. SES will seek to modify the E090060 earth station license to add these parameters in the near future.

In any event, all earth station operations during the retirement of NSS-703 will be performed on a non-harmful interference, non-protected basis. In addition, SES will coordinate the de-orbit drift with all potentially affected satellite operators in accordance with industry practice. SES will cease operations upon receipt of notification of harmful interference. The SES point of contact for interference matters during the NSS-703 retirement maneuvers is the SES Satellite Control Center, +352 710 725 212, soc@ses.com (attention: Duty Satellite Controller).

Grant of the requested STAs will serve the public interest, as it will enable the NSS-703 satellite to be deorbited in accordance with the satellite’s authorized post-mission disposal plan. *See SES Satellites (Gibraltar) Limited*, Stamp Grant, File Nos. SAT-PPL-20101103-00230, 20110120-00015, Call Sign S2818 (granted Oct. 13, 2011). The Commission recently granted STAs for SES to use three other earth stations to perform NSS-703 de-orbit maneuvers. *See SES Americom, Inc.*, File Nos. SES-STA-20140829-00680, SES-STA-20140829-00681, SES-STA-20140829-00682 (stamp-granted Sept. 17, 2014).

SES respectfully requests STAs for an initial period of 30 days to begin on October 7, 2014. However, the retirement of the satellite may take longer than 30 days to ensure full venting of the fuel and oxidizer on the spacecraft. Accordingly, SES will be requesting an extension of these STAs for another 30 days.