

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 E090060 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 | | |

30 days "with conditions"



File # SES-STA-20140925-00777
 Call Sign E090060 Grant Date 10/02/2014
 (or other identifier)
 Term Dates From 10/06/2014 To 11/04/2014
 Approved: Daniel E. Mah

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 *"with conditions"*

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|---|--|
|  GRANTED International Bureau | File # <u>SES-STA-20140925-00777</u> |
| | Call Sign <u>E090060</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. Hideo</u> |

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: | | 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/Sunset Beach

8. Latitude
(dd mm ss.s h) 21 40 14.0 N

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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.