**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.