

** Expedited Action Request **

APPLICATION FOR SPECIAL TEMPORARY AUTHORITY

Call Sign E000696, Antennas NWM-16 and NWM-17

SES Americom, Inc. (“SES”) respectfully requests Special Temporary Authority (“STA”) from July 15 to July 22, 2013, to conduct antenna testing of the proposed NWM-17 antenna (*see* File No. SES-MFS-20130604-00470; call sign E000696 (the “*NWM-16 and NWM-17 Application*”)) at its Bristow, Virginia, teleport. The test will be conducted in conjunction with the NWM-16 antenna and the Netherlands-licensed NSS-7 satellite at the 20° W.L. orbital location (*see* File No. SAT-MPL-20120215-00017; call sign S2463) on the following frequencies:

5929 MHz (right-hand circular) uplink / 3704 MHz (left-hand circular) downlink
5850.5 MHz (left-hand circular) uplink / 3625.5 MHz (right-hand circular) downlink.

SES is seeking: (1) authority to transmit an uplink carrier in those frequencies from the NWM-17; and (2) authority to receive the corresponding satellite downlink from NSS-7 on the NWM-16 antenna. *See NWM-16 and NWM-17 Application*. The purpose of the proposed test is to enable the antenna feed and transmit-pattern of the NWM-17 antenna to be verified. The proposed tests themselves will likely take no more than four hours to complete. However, SES is requesting a one-week window in which to perform the testing to take into account weather or other contingencies.

The proposed testing will be conducted on a non-protected, non-interference basis. SES has carefully chosen test frequencies that are in between or outside the transponder and TT&C frequencies of adjacent satellites. In addition, the test will be conducted consistent with the terrestrial coordination submitted with the *NWM-16 and NWM-17 Application*. In any event, SES will cease transmissions upon notice of any harmful interference to any lawfully operating system. The SES point of contact during the proposed testing with this antenna will be Gary Cruickshank, 703-330-3305, gary.cruickshank@ses.com.

Grant of the requested STA will serve the public interest by enabling SES to verify the performance of NWM-17 antenna prior to final acceptance of delivery from the antenna vendor. The Commission has previously granted an STA to use NWM-17 to conduct in-orbit testing (“IOT”) with SES-6 at 26° W.L. *See* File No. SES-STA-20130604-00471 (granted Jun. 12, 2013). Unfortunately, a fault in the antenna was discovered during IOT. Grant of the instant STA request will enable SES to verify that the fault has been repaired.