

## APPLICATION FOR SPECIAL TEMPORARY AUTHORITY

(Call Sign E000324)

\*\*\* Expedited Action Requested By 12/10/2013 \*\*\*

SES Americom, Inc. (“SES”) requests a 60-day Special Temporary Authority (“STA”) to use E000324 to perform TT&C for ASTRA 3A during drift and on-station at 176.85W in the Ku- and extended Ku-band frequencies. Upon arrival at 176.85° W.L., ASTRA 3A will be providing service to eastern Russia only. This request is limited to use of the U.S. earth station for TT&C functions only on the following frequencies:

Telecommand:	14499 MHz vertical polarization (800KF9D)
Telemetry:	11450.25 MHz horizontal polarization (150KF9D)
	11699.50 MHz horizontal polarization (150KF9D)

The Commission has previously granted a 180-day STA for a 6.1 meter antenna at the same teleport to perform such TT&C operations with ASTRA 3A.<sup>1</sup> SES is now seeking to authority to use a larger 11 meter antenna situated nearby for the same purpose. SES respectfully requests **expedited action on this STA application by December 10, 2013**, so that the larger antenna can be available for use during the remaining drift and upon arrival of the satellite at 176.85° W.L.

The use of the E000324 earth station to perform TT&C with ASTRA 3A will be consistent with the coordinated technical parameters in SES’s pending application to modify E000324 to operate in the Ku- and extended Ku-band frequencies.<sup>2</sup> Specifically, the telecommand carriers will operate with a maximum EIRP density of 55.5 dBW/4 kHz. For telemetry, SES notes that the spacecraft is currently within the coordinated arc for the two telemetry frequencies listed above. As a result, no terrestrial interference is expected. To the extent use of the extended Ku-band for TT&C constitutes domestic use of the band, SES requests a waiver of the international-only restriction in footnote NG52 of 47 C.F.R. § 2.106 and of 47 C.F.R. § 25.202(a) Note 2. The Commission has previously granted a waiver of this restriction for the other SES earth station at the same location to perform TT&C with ASTRA 3A, and that waiver should be granted again here.<sup>3</sup>

In any event, all TT&C operations from E050287 during the proposed drift will be conducted on a non-interference, non-protected basis. SES will coordinate the drift operations with all affected operators in accordance with industry practice. The SES point of contact during drift operations will be SES Payload Management Operations

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<sup>1</sup> File No. SES-STA-20130722-00653, Call Sign KA288 (granted Sept. 26, 2013). The Commission has also granted several other earth station STAs for the relocation of ASTRA 3A to 176.85° W.L. See SES Americom, Inc., SES-STA-20130722-00654 (call sign E920698) and File No. SES-STA-20130912-00800 (call sign E050287); Hawaii Pacific Teleport L.P., File No. SES-STA-20131030-00914 (call sign E030115). The information contained in those applications, including information on ASTRA 3A’s proposed operations at 176.85° W.L., is hereby incorporated by reference.

<sup>2</sup> See File No. SES-MFS-20131108-00950 (pending).

<sup>3</sup> See File No. SES-STA-20130722-00653 (call sign KA288) (granted Sept. 26, 2013). SES hereby incorporates by reference the waiver request from that earlier application.

Centre (PMOC) in Woodbine, MD, 1 800 772 2363 or 1 410 970 7570; e-mail:  
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Grant of the proposed STA will serve the public interest by facilitating the safe operation of ASTRA 3A during relocation and once it arrives on-station to 176.85° W.L.