APPLICATION FOR SPECIAL TEMPORARY AUTHORITY

(Call Sign E050287)

*** Expedited Action Requested ***

SES Americom, Inc. ("SES") hereby requests a 30-day Special Temporary Authority ("STA") to use the 13.1 meter antenna on earth station license E050287 to perform TT&C for the ASTRA 3A satellite during a portion of a planned relocation of the satellite to 176.85° W.L. SES respectfully requests that the 30-day STA **commence on November 11, 2013**, but requests **expedited action by October 9, 2013**, so that the STA is in place before drift commences.

SES has previously filed for two other earth station applications for the proposed relocation of ASTRA-3A.[1] The information contained in those applications, including information on ASTRA-3A's proposed operations at 176.85° W.L., is hereby incorporated by reference.

As in the previous STA requests, SES Americom is here requesting authority to perform TT&C with ASTRA 3A on the following frequencies:

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

For telecommand, SES proposes to operate with a maximum EIRP density of 55.5 dBW/4 kHz, which corresponds to a maximum input power spectral density of -8 dBW/4 kHz.[2] This input power spectral density level complies with the -8 dBW/4 kHz level for band-edge analog command carriers specified in the newly revised 47 C.F.R. § 25.212(c)(1) for Ku-band antennas of 1.2m in diameter or larger.[3] Thus, while the proposed EIRP density for the command carrier will exceed the maximum listed on the E050287 license, the requested power level for the temporary drift operations will nevertheless comply with the input power density levels specified under the Commission's routine licensing rules. The maximum EIRP of the command carrier will not exceed the maximum listed on the license.

For telemetry, SES proposes to receive on two frequencies that are not currently listed on the E050287 license. The antenna is, however, capable of receiving on those two

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[1] *See* File Nos. SES-STA-20130722-00653 (call sign KA288) and SES-STA-20130722-00654 (call sign E920698) (accepted for filing public notice Aug. 7, 2013; no comments received). The application for E920698 relates to a 9.2m antenna at the same teleport as the E050287 antenna that is the subject of the instant STA application.

[2] The input power spectral density is derived by subtracting the maximum gain of the E050287 antenna from the maximum EIRP density: 55.5 dBW/4 kHz – 63.5 dBi (@14.5 GHz) = -8 dBW/4 kHz.

[3] *See Comprehensive Review of Licensing and Operating Rules for Satellite Services*, FCC 13-111, Report and Order, IB Docket No. 12-267, at ¶ 188, Appendix B ¶ 43 (rel. Aug. 9, 2013).

frequencies. In any event, reception of telemetry will be on a non-protected basis, as with all drift STAs.[4]

In any event, all telecommand and telemetry 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 Centre (PMOC) in Woodbine, MD, 1 800 772 2363 or 1 410 970 7570; e-mail: PMOC@ses.com.

Grant of the proposed STA will serve the public interest by facilitating the safe operation of ASTRA 3A during the relocation of the spacecraft to 176.85° W.L.

[4] Two other earth stations at the same teleport are already licensed to operate in these frequencies. *See* Call Signs E920698 and E990016.