

**Before the
FEDERAL COMMUNICATIONS COMMISSION
Washington, D.C. 20554**

In the Matter of Application by)	
)	
SES AMERICOM, INC.)	Call Sign E110104
)	
For Special Temporary Authority to)	
Communicate with NSS-7)	
During and After Relocation)	

REQUEST FOR SPECIAL TEMPORARY AUTHORITY

By this application, SES Americom, Inc. (“SES Americom,” doing business as “SES”) respectfully requests special temporary authority (“STA”) for a period of up to 30 days, beginning on or about May 18, 2012, to allow its Bristow, VA earth station (call sign E110104) to communicate with the NSS-7 spacecraft in order to provide Tracking, Telemetry and Command (“TT&C”) and carry customer traffic during and after the planned relocation of the spacecraft from 22° W.L. to 20° W.L. As discussed below, grant of the requested authority is in the public interest.

NSS-7 is a Netherlands-licensed fixed satellite service (“FSS”) spacecraft that is currently on the Commission’s Permitted Space Station List (“Permitted List”) for operations in the conventional C- and Ku-bands at 22° W.L.¹ NSS-7 is being replaced at that location by SES-

¹ See *New Skies Satellites N.V.*, 17 FCC Rcd 10369 (IB 2002) (“*NSS-7 Order*”) (adding NSS-7 to the Permitted List for operations at 21.5° W.L.), as modified by File No. SAT-PDR-20020930-00179, grant-stamped May 29, 2003 (updating the Permitted List to reflect relocation of NSS-7 to 22° W.L.).

4, which was successfully launched in mid-February, has completed testing, and is now in position and operational at 22° W.L.²

Over the coming weeks, most of the traffic carried on NSS-7 will be transferred to SES-4, making NSS-7 available for redeployment to 20° W.L., where it will replace NSS-5. SES Americom's affiliate, New Skies Satellites B.V., has applied to the Commission for modification of the terms pursuant to which the NSS-7 satellite is authorized to serve the U.S. in order to reflect the planned relocation of the satellite to 20° W.L.³ The NSS-7 Modification requests that the Commission modify the Permitted List to include the NSS-7 conventional C-band payload (3700-4200 MHz downlink; 5925-6425 MHz uplink), a portion of the conventional Ku-band payload (11.95-12.2 GHz downlink), and specified TT&C frequencies⁴ for operations at 20° W.L. As in the case of the NSS-5 satellite currently operating at 20° W.L., other Ku-band frequencies (10.95-11.2 GHz, 11.45-11.95 GHz and 12.5-12.75 GHz downlink; 14.0-14.5 GHz uplink) will be operated by Intelsat in accordance with an agreement between SES and Intelsat.⁵

² The Commission has placed SES-4 on the Permitted List. *See* New Skies Satellites N.V., File No. SAT-PPL-20110620-00112, grant-stamped Mar. 15, 2012.

³ *See* New Skies Satellites N.V., File No. SAT-MPL-20120215-00017, call sign S2463 (the "NSS-7 Modification"). The Commission placed the NSS-7 Modification on public notice on April 6, 2012. *See* Policy Branch Information, Satellite Space Applications Accepted for Filing, Report No. SAT-00858, Apr. 6, 2012 ("April 6 Public Notice").

⁴ The NSS-7 TT&C frequencies are as follows:
Command: 14496.0 and 14499.0 MHz (vertical polarization; uplink)
Telemetry/Tracking: 11451.0 and 11454.0 MHz (horizontal polarization; downlink)
Tracking Beacon: 4199.5 MHz (vertical polarization; downlink).

⁵ The NSS-5 C-band payload operates pursuant to Netherlands authority and is on the Permitted List for service to U.S. earth stations. Under an agreement between SES and Intelsat, the NSS-5 Ku-band payload is operated by Intelsat pursuant to a U.S. license. *See New Skies Satellites B.V.*, Call Sign S2802, File Nos. SAT-PPL-20091208-00142& SAT-APL-20100219-00034, grant-stamped June 4, 2010; *Intelsat License LLC*, Call Sign S2801, File No. SAT-A/O-20091208-00141, grant-stamped June 4, 2010.

Intelsat has separately filed an application for a U.S. license at 20° W.L. for these remaining NSS-7 Ku-band frequencies.⁶

The E110104 earth station is currently licensed to communicate in the conventional Ku-band with all U.S.-licensed satellites and all satellites on the Permitted List, including NSS-7 at 22° W.L.⁷ It is also licensed to communicate in the extended Ku-band with both the NSS-7 and SES-4 satellites at 22° W.L. SES here seeks STA to permit the earth station to communicate with NSS-7 during and after relocation of the satellite from 22° W.L. to 20° W.L. Transmissions from the E110104 earth station to NSS-7 during the relocation will fully conform to the terms of the E110104 license. Complete technical information regarding NSS-7, including operational parameters at both 22° W.L. and 20° W.L., is on file with the Commission.⁸

The proposed communication with NSS-7 during and after its planned relocation will not adversely affect adjacent satellite operations. There are no satellites located between 22° W.L. and 20° W.L. As discussed above, SES operates the SES-4 satellite at 22° W.L., and SES and Intelsat operate the payloads of NSS-5 at 20° W.L. pursuant to an agreement between the companies. Intelsat also operates the adjacent satellites on either side of these locations, Intelsat 905 at 24.5° W.L. and Intelsat 901 at 18° W.L. SES and Intelsat will coordinate to ensure that no harmful interference occurs from the operations described in this STA request.

⁶ See Intelsat License LLC, File No. SAT-RPL-20120216-00018, call sign S2854 (the “NSS-7 License Application.” The NSS-7 License Application also appeared on the April 6 Public Notice.

⁷ See File No. SES-LIC-20110715-00830 (Call Sign E110104), granted Mar. 27, 2012, at Section D.

⁸ See NSS-7 Modification; NSS-7 License Application. See also NSS-7 Order; File No. SAT-PDR-20020930-00179.

Furthermore, SES will accept interference from any regularly authorized network and will terminate operations if SES is notified that such a network is experiencing harmful interference.

Authorizing E110104 to communicate with NSS-7 during and after the planned relocation of the satellite will serve the public interest. Grant of the requested STA will permit SES to use this earth station to provide TT&C for the planned relocation, facilitating safe operation of the spacecraft. In addition, it will allow SES to provide service continuity to customers that will be remaining on NSS-7 instead of transferring to SES-4.

SES hereby certifies that no party to this application is subject to a denial of federal benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. § 862.

For the foregoing reasons, SES respectfully requests special temporary authority to allow its E110104 earth station to communicate with NSS-7 during and after the planned relocation of the spacecraft from 22° W.L. to 20° W.L. for 30 days commencing on or about May 18, 2012, in order to perform TT&C and provide customer service as described herein.

Respectfully submitted,

SES AMERICOM, INC.

By: /s/ Daniel C.H. Mah

Of Counsel
Karis A. Hastings
SatCom Law LLC
1317 F Street, N.W., Suite 400
Washington, D.C. 20004
Tel: (202) 599-0975

Daniel C.H. Mah
Regulatory Counsel
SES Americom, Inc.
Four Research Way
Princeton, NJ 08540

Dated: April 26, 2012