

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

In the Matter of	)	
	)	
SES AMERICOM, INC.	)	File No. SES-STA-_____
	)	Call Signs E000152, E120055, KB27
Request for Special Temporary Authority to	)	
Operate Earth Stations with the NSS-806 Fixed-	)	
Satellite Space Station at 47.65° W.L.	)	

*Expedited Action Requested*

**REQUEST OF SES AMERICOM, INC.**

SES Americom, Inc. (“SES”) respectfully requests special temporary authority (“STA”) for a period of 30 days beginning no later than September 2, 2018, to permit SES to use its E000152, E120055, and KB27 earth stations to provide telemetry, tracking and control (“TT&C”) services for the NSS-806 C/Ku-band fixed-satellite space station while it is temporarily relocated to 47.65° W.L. to facilitate the initiation of service on SES-14. Grant of the requested authority will serve the public interest by promoting the safe operation of both satellites.

NSS-806 is a Netherlands-licensed spacecraft that is authorized to provide service to the U.S. market at 47.5° W.L.<sup>1</sup> SES-14, which will provide follow-on capacity in the C- and Ku-band spectrum at 47.5° W.L.,<sup>2</sup> was launched earlier this year and arrived at 47.5° W.L. on August 1, 2018. The two satellites will be collocated at 47.5° W.L. for approximately 32 days, during in orbit testing of SES-14 and while commercial communications traffic is transferred

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<sup>1</sup> New Skies Satellites B.V., Call Sign S2591, File No. SAT-MPL-20130906-00114, granted in part Dec. 6, 2013 and in part Feb. 4, 2014 (the “NSS-806 Authorization”).

<sup>2</sup> SES DTH do Brasil Ltda, Call Sign S2974, File No. MPL-20170606-00083, granted Sept. 8, 2017. SES DTH do Brasil Ltda is an affiliate of SES Americom, Inc. and New Skies Satellites B.V.

from NSS-806 to SES-14. After traffic transfer is complete, NSS-806 will be temporarily positioned at 47.65° W.L. in preparation and testing of the maneuvers and operations to retire NSS-806.

On or about October 2, 2018, maneuvers will commence to raise NSS-806 to a disposal orbit pursuant to the orbital debris mitigation plan approved by the Commission.<sup>3</sup> SES seeks authority for the above referenced earth stations to communicate with NSS-806 to perform TT&C during and after its relocation to 47.65° W.L., a 0.15 degree offset from the orbital location described in the satellite's market access authorization, and during orbit-raising maneuvers using certain C-band frequencies.<sup>4</sup> The satellite will be positioned at 47.65° W.L. with an east-west stationkeeping tolerance of +/- 0.1 degrees.<sup>5</sup>

Grant of the requested authority will serve the public interest by allowing SES to ensure the safe and orderly transition of services from NSS-806 to SES-14 and prepare for maneuvers to retire NSS-806. The requested repositioning of NSS-806 to 47.65° W.L. with a +/- 0.1 degree stationkeeping tolerance will ensure that the satellite's stationkeeping volume will

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<sup>3</sup> New Skies Satellites B.V., (Call Sign S2591), File No. SAT-MPL-20110923-00187, Technical Attachment for NSS-806 at 23, granted June 28, 2012.

<sup>4</sup> The NSS-806 TT&C frequencies and nominal polarizations are as follows:  
Command: 6173.7 MHz (circular polarization; uplink/ linear polarization for emergency commanding)  
Telemetry: 3947.5 MHz (circular polarization; downlink),  
3948 MHz (circular polarization; downlink),  
3952.5 MHz (circular polarization; downlink),  
3952 MHz (circular polarization; downlink), and  
3950 MHz (beacon operating in linear polarization rotated by 45° relative to the equatorial plane)

<sup>5</sup> The NSS-806 Authorization included grant of a waiver of Section 25.210(j) to allow operation of NSS-806 at 47.5° W.L. with an expanded stationkeeping tolerance of +/- 0.1 degrees.

not overlap with that of SES-14, which will operate at 47.5° W.L. with a +/- 0.05 degree stationkeeping tolerance.

Furthermore, authorizing the earth stations to operate with NSS-806 while it is located at a slight offset will not adversely affect other operators. There are no other satellites operating at the nominal 47.5° W.L. orbital location, and the slight offset of NSS-806 will not alter the potential for interference into other satellites or associated earth stations.

For the foregoing reasons, SES respectfully requests grant of STA beginning on September 2, 2018 to permit the above referenced earth stations to perform TT&C in the C-band frequencies in order to relocate NSS-806 to 47.65° W.L. and maintain it at that position prior to the satellite's retirement.

Respectfully submitted,

SES Americom, Inc.

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