

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
Request for 30 Day STA to Operate E000152 with NSS-806 at 47.65 W.L.

1. Applicant

Name:	SES Americom, Inc.	Phone Number:	202-478-7143
DBA Name:		Fax Number:	202-478-7111
Street:	1129 20th Street NW Suite 1000	E-Mail:	petra.vorwig@ses.com
City:	Washington	State:	DC
Country:	USA	Zipcode:	20036
Attention:	Ms Petra A Vorwig		



File # SES-STA-20180810-02234
E000152
Call Sign E000152 Grant Date 8-22-18
(or other identifier)
Term Dates From: 8-22-18 To: 8-21-18
Approved: [Signature]

2. Contact	
Name: Karis Hastings	Phone Number: 2025990975
Company: SatCom Law LLC	Fax Number:
Street: 1317 F Street, N.W. Suite 400	E-Mail: karis@satcomlaw.com
City: Washington	State: DC
Country: USA	Zipcode: 20004 -
Attention:	Relationship: Legal Counsel
(If your application is related to an application filed with the Commission, enter either the file number or the IB Submission ID of the related application. Please enter only one.)	
3. Reference File Number or Submission ID	
4a. Is a fee submitted with this application?	
<input checked="" type="radio"/> If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114).	
<input type="radio"/> Governmental Entity <input type="radio"/> Noncommercial educational licensee	
<input type="radio"/> Other (please explain):	
4b. Fee Classification CGX – Fixed Satellite Transmit/Receive Earth Station	
5. Type Request	
<input checked="" type="radio"/> Use Prior to Grant	<input type="radio"/> Change Station Location <input checked="" type="radio"/> Other
6. Requested Use Prior Date	
7. City Bristow	8. Latitude (dd mm ss.s h) 38 47 1.6 N

9. State VA	10. Longitude (dd mm ss.s h) 77 34 24.3 W
11. Please supply any need attachments. Attachment 1: STA Narrative Attachment 2: Attachment 3:	
12. Description. (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.) SES Americom, Inc. requests special temporary authority for 30 days beginning on September 2, 2018 to operate E000152 to provide TT&C service for the Dutch licensed NSS-806 (call sign S2591) while it is temporarily located at 47.65 W.L. See attached narrative.	
13. By checking Yes, the undersigned certifies that neither applicant nor any other party to the application is subject to a denial of Federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Act of 1988, 21 U.S.C. Section 862, because of a conviction for possession or distribution of a controlled substance. See 47 CFR 1.2002(b) for the meaning of "party to the application"; for these purposes. Yes <input checked="" type="radio"/> No <input type="radio"/>	
14. Name of Person Signing Petra A. Vorwig	15. Title of Person Signing Senior Legal & Regulatory Counsel
WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND / OR IMPRISONMENT (U.S. Code, Title 18, Section 1001), AND/OR REVOCATION OF ANY STATION AUTHORIZATION (U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).	

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THE FOREGOING NOTICE IS REQUIRED BY THE PAPERWORK REDUCTION ACT OF 1995, PUBLIC LAW 104-13, OCTOBER 1, 1995, 44 U.S.C. SECTION 3507.

Applicant: SES Americom, Inc.
Call Sign: E000152
File No.: SES-STA-20180810-02234
Special Temporary Authority (STA)

SES Americom, Inc. is granted STA to operate for 30 days its earth station, Call Sign E000152, located at geographical coordinates 38° 47' 1.6" N/77° 34' 24.3" W in Bristow, Virginia to provide telemetry, tracking and control services to relocate NSS-806 (Call Sign S2591) satellite to retire at the 47.65°W orbital location. Operations shall be on command frequency 6173.7 MHz (Circular polarization) (Earth-to-space); on telemetry frequencies: 3947.5 MHz, 3948.0 MHz; 3952 MHz, 3952.5 MHz (Circular polarization), 3950 MHz (beacon in linear polarization) (space-to-Earth. Operations are authorized under the following conditions:

1. Operations will not exceed the operational power levels and parameters coordinated.
2. In the event of any harmful interference SES Americom, Inc. shall cease operations immediately upon notification of such interference, and shall immediately inform the Commission, in writing, of such an event.
3. Grant of this STA is without prejudice to any determination that the Commission may make regarding pending or future SES Americom, Inc. applications.
4. Any action taken or expense incurred as a result of operations pursuant to this STA is solely at SES Americom, Inc.'s risk.
5. The 24/7 point of contact for this mission is the SES Payload Management Operations Centre (PMOC) in Woodbine, Maryland, 1 410 970 7580; e-mail: PMOC@ses.com.

This grant is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. § 0.261, and is effective upon release.



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Call Sign E000152 Grant Date 8-22-18
(or other identifier)
Term Dates
From: 8-22-18 To: 9-21-18
Approved: [Signature]

**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.¹ SES-14, which will provide follow-on capacity in the C- and Ku-band spectrum at 47.5° W.L.,² 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

¹ 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”).

² 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.³ 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.⁴ The satellite will be positioned at 47.65° W.L. with an east-west stationkeeping tolerance of +/- 0.1 degrees.⁵

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

³ 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.

⁴ The NSS-806 TT&C frequencies and nominal polarizations are as follows:

<u>Command:</u>	6173.7 MHz (circular polarization; uplink/ linear polarization for emergency commanding)
<u>Telemetry:</u>	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)

⁵ 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.

By: /s/ Petra A. Vorwig

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Dated: August 10, 2018