

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

**APPLICANT INFORMATION** Enter a description of this application to identify it on the main menu:  
Request for STA to Provide TT&C for ASTRA 1H at 67.1 W.L. and for Orbit Raising (E170089)

**I. Applicant**

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



File # SES-STA-20190920-01189  
Call Sign E170089 Grant Date 9-27-19  
(or other identifier)  
Term Dates From: 10-1-19 To: 11-11-19  
Approved: [Signature]

<b>2. Contact</b>	
<b>Name:</b>	Karis Hastings
<b>Company:</b>	SatCom Law LLC
<b>Street:</b>	1317 F Street, N.W. Suite 400
<b>City:</b>	Washington
<b>Country:</b>	USA
<b>Attention:</b>	
<b>Phone Number:</b>	202-599-0975
<b>Fax Number:</b>	
<b>E-Mail:</b>	karis@satcomlaw.com
<b>State:</b>	DC
<b>Zipcode:</b>	20004 -
<b>Relationship:</b>	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 SESSTA2018110503113 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 type="radio"/> Use Prior to Grant <input type="radio"/> Change Station Location <input checked="" type="radio"/> Other	
6. Requested Use Prior Date	
09/20/2019	
7. City/Mt. Airy	
8. Latitude (dd mm ss.s h) 39 22 38.8 N	

9. State MD	10. Longitude (dd mm ss.s h) 77 4 52.97
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. respectfully requests immediate earth station special temporary authority for a period of 30 days to permit SES to continue to use its E170089 earth station to perform Tracking, Telemetry and Command for the ASTRA 1H spacecraft using Ku-band frequencies in order to maintain the satellite at 67.1 W.L. and in support of orbit	
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.**

## **12. Description**

SES Americom, Inc. respectfully requests immediate earth station special temporary authority for a period of 30 days to permit SES to continue to use its E170089 earth station to perform Tracking, Telemetry and Command for the ASTRA 1H spacecraft using Ku-band frequencies in order to maintain the satellite at 67.1 W.L. and in support of orbit raising maneuvers that are expected to commence on or about October 12, 2019. See Attachment.

Applicant: SES Americom, Inc.  
Call Sign: E170089  
File No.: SES-STA-20190920-01189  
Special Temporary Authority (STA)



File # SES-STA-20190920-01189  
Call Sign \_\_\_\_\_ Grant Date 9-27-19  
(or other identifier)  
Term Dates  
From: 10/12/19 To: 11/11/19  
Approved: Paul E. Davis

SES Americom, Inc. is granted special temporary authority for 30 days, commencing October 12, 2019, to operate its 9-meter antenna Fixed earth station located in Mt. Airy, MD to provide telemetry, tracking and control (“TT&C”) services for the ASTRA 1H satellite at its current location at 67.1°W in support of the orbit-raising maneuvers to its disposal orbit. The operations will be on center frequencies: 14008.5 MHz (H) and 14250.5 MHz (C) (Earth-to-space); and 11693.5 MHz, 11707.0 MHz (C,V) (space-to-Earth). Operations are authorized under the following conditions:

1. Operations will not exceed the operational power levels and parameters requested:  
maximum eirp: 75.1 dBW  
maximum eirp density: 52.1 dBW/4kHz  
emission: 800KF9D
2. 47C.F.R. § 2.106 International Footnote NG52 is waived for use of TT&C on the 11693.5 MHz with ASTRA 1H under STA operations.
3. 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.
4. Grant of this STA is without prejudice to any determination that the Commission may make regarding pending or future SES Americom, Inc. applications.
5. Any action taken or expense incurred as a result of operations pursuant to this STA is solely at SES Americom, Inc.'s risk.
6. The current 24/7 point of contact for the ASTRA 1H operation is the SES Payload Management Operations Centre (PMOC) in Woodbine, MD, 1 410 970 7580; e-mail: [PMOC@ses.com](mailto:PMOC@ses.com)
7. Operations of this station during the period from expiration of August 7, 2019, IBFS file number SES-STA- 20181105-03113, to the grant of this special temporary authority was authorized pursuant to Section 1.62 of the Commission's rules, 47 C.F.R. § 1.62.

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.

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

In the Matter of Application by )  
 )  
SES AMERICOM, INC. )  
 ) Call Sign E170089  
For Special Temporary Authority to )  
Communicate with ASTRA 1H to Perform )  
TT&C at 67.1° W.L. and to Support Orbit )  
Raising Maneuvers )

**REQUEST FOR SPECIAL TEMPORARY AUTHORITY**

SES Americom, Inc. (“SES Americom” or “SES”) respectfully requests immediate earth station special temporary authority (“STA”) for a period of 30 days to permit SES to continue to use its E170089 earth station to perform Tracking, Telemetry and Command (“TT&C”) for the ASTRA 1H spacecraft using Ku-band frequencies in order to maintain the satellite at 67.1° W.L. +/- 0.1 degrees and in support of orbit raising maneuvers that are expected to commence on or about October 12, 2019. SES recently discovered that the previous STA permitting use of E170089 for ASTRA 1H TT&C had expired on August 7, 2019,<sup>1</sup> without SES having timely filed to extend the STA’s term. SES seeks to address that inadvertent oversight by requesting authority for ongoing TT&C communications during the short period that ASTRA 1H will remain at 67.1° W.L. and while efforts begin to raise the spacecraft to a disposal orbit. Grant of the requested authority will serve the public interest by promoting safe operation and orderly retirement of ASTRA 1H.

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<sup>1</sup> See SES Americom, Inc., (Call Sign E170089) File No. SES-STA-20181105-03113 (the “STA Request”), granted Feb. 8, 2019 (the “STA Grant”).

As discussed in the STA Request, SES Americom's affiliate, SES ASTRA S.A. ("SES ASTRA"), holds an authorization from the Luxembourg Ministry of State, Office of Media and Communications<sup>2</sup> for the ASTRA 1H Ku-band spacecraft. SES ASTRA has asked SES Americom to provide TT&C for ASTRA 1H at its current position of 67.1° W.L. and during orbit-raising maneuvers that will start on or about October 12, 2019, and are expected to be completed no later than October 29, 2019. The E170089 operations will conform to the technical parameters described in Attachments 1 and 2 of the STA Request, and SES intends to raise ASTRA 1H to a disposal orbit consistent with the orbital debris mitigation plan submitted as Attachment 3 of the STA Request. SES also incorporates by reference the waiver requests included in the STA Request.

Grant of the instant STA will facilitate the safe operation and orbit raising of ASTRA 1H. No other authorized operations will be adversely affected, as TT&C transmissions to ASTRA 1H will be on a non-harmful interference basis.<sup>3</sup>

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.

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<sup>2</sup> Ministère d'État, Service des Médias et des Communications of the Grand Duchy of Luxembourg.

<sup>3</sup> The 24/7 point of contact for the proposed ASTRA 1H operations is the SES Payload Management Operations Centre (PMOC) in Woodbine, MD, 1 410 970 7580; e-mail: [PMOC@ses.com](mailto:PMOC@ses.com).



For the foregoing reasons, SES respectfully requests authority to continue to communicate with ASTRA 1H for a period of up to 30 days in order to provide TT&C during the satellite's operations at 67.1° W.L. and subsequent orbit raising maneuvers.

Respectfully submitted,

SES AMERICOM, INC.

By: /s/ Petra A. Vorwig

Of Counsel

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Dated: September 20, 2019