

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 STA to Provide TT&C for ASTRA 1H at 80.8 W.L. (E170089)

1. 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-20180716-01789  
E170089  
Call Sign E170089 Grant Date 8-17-18  
(or other identifier)  
Term Dates From: 8-17-18 To: 9-16-18  
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 or Submission ID IB2018003738	
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	
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: 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 August 20, 2018 to operate its earth station (E170089) to provide TT&C services for ASTRA 1H in the Ku-band as it drifts to and operates at 80.8 W.L. SES Americom is not requesting market access for the satellite. SES Americom has separately requested STA for 180 days and	
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 &quot;party to the application&quot;; 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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## **12. Description**

SES Americom, Inc. requests special temporary authority for 30 days beginning August 20, 2018 to operate its earth station (E170089) to provide TT&C services for ASTRA 1H in the Ku-band as it drifts to and operates at 80.8 W.L. SES Americom is not requesting market access for the satellite. SES Americom has separately requested STA for 180 days and incorporates the technical information and waiver requests set out in that application here. See IBFS Submission ID IB2018003738, filed July 12, 2018.

Applicant: SES Americom, Inc.  
Call Sign: E170089  
File No.: SES-STA-20180716-01789  
Special Temporary Authority (STA)

SES Americom, Inc. is granted STA to operate for 30 days its earth station, Call Sign E170089, located at geographical coordinates 39° 22' 38.8" N/77° 04' 52.9" W in Mt. Airy, Maryland to provide telemetry, tracking and control ("TT&C") functions on 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) for the Luxembourg licensed ASTRA 1H satellite to relocate from its current position 67° W to its permanent orbital location 80.8° W. Operations are authorized under the following conditions:

1. Operations will not exceed the operational power levels and parameters requested:

maximum eirp: 75.0 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 24/7 point of contact for the 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)

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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