

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
E970336 STA for QuetzSat 1 TTC and Move to 77WL

1. Applicant

Name:	SES Americom, Inc.	Phone Number:	202-478-7137
DBA Name:		Fax Number:	202-478-7101
Street:	1129 20th Street NW Suite 1000	E-Mail:	daniel.mah@ses.com
City:	Washington	State:	DC
Country:	USA	Zipcode:	20036 -
Attention:	Daniel C.H. Mah		

60 days "with conditions"



File# SES-STA-20121127-01046

Call Sign E970336 Grant Date 12/10/2012
(or other identifier)

Term Dates
From 12/10/2012 To 02/07/2013

Approved: Paul E. Mah


Applicant: SES Americom Inc.
Call Sign: E970336
File No. : SES-STA-20121127-01046

Special Temporary Authority (STA)

SES Americom Inc. (SES) is granted special temporary authority, for 60 days, to operate E970336 with the foreign-licensed QuetzSat-1 spacecraft, a U.K. registered and licensed space object. E970336 will be used to perform tracking, telemetry and command functions at the 67.1 W.L. orbital location and during and after a planned move of the spacecraft to 77.05 W.L. orbital location in the 17.3- 17.8 GHz (Earth-to-space) and 12.2-12.7 GHz (space-to-Earth) frequency bands under the following conditions.

1. This authorization is limited to operations within the parameters defined in those specified in the Appendix A of the application narrative.
2. All operations shall be on an unprotected and non-harmful interference basis, E970336, shall not cause harmful interference to, and shall not claim protection from, interference caused to it by any other lawfully operating station and it shall cease transmission(s) immediately upon notice of such interference.
3. In the event that any harmful interference is caused as a result of operations of the Quetzsat-1 satellite, SES shall cease operations immediately upon notification of such an event, and shall inform the Commission immediately, in writing, of the event.
4. Any action taken or expense incurred as a result of operations pursuant to this special temporary authority is solely at SES's own risk.
5. Operation of E970336 with Quetzsat-1, per applications SES-STA-20120917-00826, SES-STA-20121017-00937 and SES-STA-20121119-01026, from October 23, 2012, through December 10, 2012, was authorized pursuant to Section 1.62 of the Commission's rules, 47 C.F.R. § 1.62.
6. This action is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. § 0.261, and is effective immediately.

60 days "with conditions"

	File # SES-STA-2012-1127-01046
GRANTED International Bureau	Call Sign E970336 Grant Date 12/10/2012 (or other identifier)
	Term Dates From 12/10/2012 To: 02/07/2013
	Approved: <i>Paul E. Hox</i>

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

In the Matter of Application by)
SES AMERICOM, INC.) Call Sign E970336
)
)
For Special Temporary Authority to) Expedited Action Requested
Communicate with QuetzSat-1 to Perform) by December 11, 2012
TT&C at 61.5° W.L. and During and)
After a Move to the 77° W.L. DBS Cluster)

REQUEST FOR SPECIAL TEMPORARY AUTHORITY

By this application, SES Americom, Inc. (“SES Americom,” doing business as “SES”) respectfully requests expedited grant of special temporary authority (“STA”) for a period of 60 days, to permit SES to continue to use its South Mountain, CA earth station E970336 to communicate with the QuetzSat-1 spacecraft. Specifically, SES proposes to use E970336 to perform Tracking, Telemetry and Command (“TT&C”): (a) while QuetzSat-1 remains at 61.5° W.L.; (b) during a planned relocation of the satellite to the 77° W.L. Direct Broadcast Satellite (“DBS”) cluster;¹ and (c) on-station once the satellite arrives at the 77° W.L. cluster. STA is sought pending submission of and Commission action on a forthcoming application to modify the E970336 license in order to add QuetzSat-1 as an authorized point of communication.² As discussed below, grant of the requested authority is in the public interest.

¹ Initially QuetzSat-1 will be positioned at 77.05° W.L. +/- 0.05 degrees, but may be relocated in the future within the cluster (77.0° W.L. +/- 0.2 degrees).

² See 47 C.F.R. 25.120(b)(3) (“The Commission may grant a temporary authorization for a period not to exceed 60 days , if the STA request has not been placed on public notice, and the applicant plans to file a request for regular authority for the service.”).

QuetzSat-1 is a foreign-licensed DBS spacecraft.³ The Commission previously authorized the use of the E970336 earth station for initial operational testing of QuetzSat-1 at 67.1° W.L. after it was successfully launched on September 29, 2011.⁴ More recently, SES was authorized to communicate with QuetzSat-1 during additional testing and relocation of the satellite to 61.5° W.L.⁵ At 61.5° W.L., the satellite was intended to provide bridge service allowing EchoStar 15 to be relocated pending the launch of EchoStar 16. SES understands that QuetzSat-1 is no longer required to provide service from 61.5° W.L. EchoStar 16 was launched on November 20, 2012, and is expected to arrive at 61.5° W.L. in late December 2012 or early January 2013, following successful completion of in-orbit testing. In anticipation of EchoStar 16's arrival, SES has received instructions from its customer, EchoStar 77 Corporation, to relocate QuetzSat-1 to 77.05° W.L.

Transmissions from the E970336 earth station to QuetzSat-1 will conform to the technical characteristics described in Attachment A. The drift of the spacecraft will be coordinated with other spacecraft operators consistent with industry practice. Furthermore, as with the prior E970336 STA, 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.⁶ The positioning of QuetzSat-1 in the 77° W.L. DBS cluster and the use of

³ QuetzSat-1 is currently operating under a U.K. Outer Space Act license and will be registered as a U.K. space object. Upon its arrival at the 77° W.L. DBS cluster, the satellite will commence operating under a license granted by Mexico.

⁴ See File No. SES-STA-20110729-00873 (grant-stamped Sept. 12, 2011). The authority was extended in File No. SES-STA-20110928-01151 (grant-stamped Oct. 24, 2011).

⁵ See File No. SES-STA-20120917-00826 (grant-stamped Sept. 24, 2012) (“E970336 STA”); extension requested in File No. SES-STA-20121017-00937.

⁶ See *id.*

E970336 to perform on-station TT&C with QuetzSat-1 has been coordinated with the other DBS satellites within that cluster.

Grant of this request is in the public interest. The requested TT&C authority will facilitate the safe operation of QuetzSat-1.

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 communicate with QuetzSat-1 for a period of up to 60 days in order to conduct TT&C as described herein. SES expects to commence relocation no earlier than December 11, 2012, and respectfully requests expedited action on this request before that date.

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: November 27, 2012

ATTACHMENT A
E970336 Technical Information

TT&C Emissions

Emission Designator: 1M00G7W
Max EIRP: 86.5 dBW
Max EIRP Density: 62.5 dBW/4kHz
Tx Frequency Range: 17300-17800 MHz
Rx Frequency Range: 12200-12700 MHz
Polarization: Left and Right Circular

2. Contact

Name:	Karis A. Hastings	Phone Number:	202-599-0975
Company:	SatCom Law LLC	Fax Number:	
Street:	1317 F St. 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?

- If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114).
 Governmental Entity Noncommercial educational licensee
 Other (please explain):

4b. Fee Classification CGX – Fixed Satellite Transmit/Receive Earth Station

5. Type Request

- Use Prior to Grant Change Station Location Other

6. Requested Use Prior Date
12/11/2012

7. City Moorpark

8. Latitude
(dd mm ss.s h) 34 19 31.0 N

9. State CA	10. Longitude (dd mm ss.s h) 118 59 41.0 W	
11. Please supply any need attachments. Attachment 1: STA Request 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.) <div style="border: 1px solid black; padding: 5px; margin: 10px 0;">SES Americom, Inc. requests special temporary authority to use earth station E970336 to communicate with the foreign-licensed QuetzSat-1 spacecraft. The earth station will continue to be used to perform tracking, telemetry and command functions at 61.5 W.L. and during and after the planned relocation of the satellite to the DBS cluster at 77 W.L.</div>		
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. <input checked="" type="radio"/> Yes <input type="radio"/> No		
14. Name of Person Signing Daniel C.H. Mah	15. Title of Person Signing 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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