

E7541 SES-STA-20120216-00176 IB2012000577
Lockheed Martin Corporation

Approved by OMB
3060-0678

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
Request for 60-day Extension of STA re

1. Applicant

Name:	Lockheed Martin Corporation	Phone Number:	703-413-5970
DBA Name:		Fax Number:	703-413-5908
Street:	2121 Crystal Drive Suite 100	E-Mail:	jennifer.warren@lmco.com
City:	Arlington	State:	VA
Country:	USA	Zipcode:	22202 -
Attention:	Ms Jennifer Warren		

with conditions

File # SES-STA-20120216-00176

Call Sign E7541 Grant Date 2/17/2012
(or other identifier)

Term Dates

From 02/24/2012 To: 04/25/2012

Approved: Paul E Warren



Conditions:

Applicant: Lockheed Martin Corporation
File Number: SES-STA-20120216-00176
Call Sign: E7541

Lockheed Martin Corporation is granted extension of SES-STA-20111209-01447, under the following conditions, Special Temporary Authority for 60 days, from 2/24/2012 through 04/25/2012, to operate with SES-4, within the parameters of pending license SES-LIC-20081103-01443 and on the following conditions:

1. Operations under this authority are on a non-interference basis only.
2. Operations under this authority are on a non-protected basis only.
3. Prior to performing in-orbit testing operations coordination of in-orbit testing operations must be completed with entities operating satellites within +/- 6 degrees of the 26° W.L. orbital location.



File # SES-STA-20120216-00176
Call Sign E7541 Grant Date 2/17/2012
(or other identifier)
Term Dates
From 02/24/2012 To: 04/25/2012
Approved: Paul E. Blair

2. Contact

Name: Stephen D. Baruch **Phone Number:** 202-416-6782
Company: Lerman Senter PLLC **Fax Number:** 202-429-4626
Street: 2000 K Street, NW **E-Mail:** sbaruch@lermansenter.com
Suite 600
City: Washington **State:** DC
Country: USA **Zipcode:** 20006 -1809
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 SESSTA2011120901447 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
02/24/2012

7. City/Carpentersville 8. Latitude
(dd mm ss.s h) 40 38 39.0 N

9. State NJ	10. Longitude (dd mm ss.s h) 75 11 29.0 W
11. Please supply any need attachments. Attachment 1: Exhibit A 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.) Lockheed Martin Corp. requests a 60-day extension of its STA in File No. SES-STA-201111209-01447 to use its Carpentersville, NJ earth station to support post-launch/early-operations/IOT TT&C for the SES-4 satellite. The launch initially scheduled for December 25, 2011 was postponed, and did not occur until February 14, 2012, necessitating this	
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 Jennifer Warren	15. Title of Person Signing Vice President, Technology Policy & Regulation
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

Lockheed Martin Corp. requests a 60-day extension of its STA in File No. SES-STA-201111209--01447 to use its Carpentersville, NJ earth station to support post-launch/early-operations/IOT TT&C for the SES-4 satellite. The launch initially scheduled for December 25, 2011 was postponed, and did not occur until February 14, 2012, necessitating this extension request. See Exhibit A

Exhibit A
Lockheed Martin Corporation
Carpentersville, NJ Earth Station
Call Sign E7541
STA Extension Request for
LEOp/IOT TT&C Operations
February 2012

Description

Lockheed Martin Corporation (“Lockheed Martin”) requests an extension of the special temporary authority (“STA”) granted in File No. SES-STA-20111209-01447 (“December 2011 STA Request”) that authorized Lockheed Martin to operate its Carpentersville, New Jersey Ku-band fixed earth station antenna (see File No. SES-LIC-20081103-01443, as amended) to provide telemetry, tracking and control (“TT&C”) functions during the post-launch, transfer orbit, and in-orbit testing (“IOT”) phases of operation for the SES-4 satellite that will be operated by New Skies Satellites B.V., a sister company of SES Americom, Inc. (“SES Americom”). The SES-4 launch, originally scheduled for December 26, 2011, was postponed several times, and finally took place on February 14, 2012.

The mission duration for the TT&C operations is just under 60 days. Because the December 2011 STA Request runs through February 23, 2012, Lockheed Martin expects to operate under the STA extension for only 50 days or so. Lockheed Martin nevertheless requests a 60-day extension in case a slight continuation of TT&C operations is required.¹

All conditions on post-launch/early operations/IOT TT&C support for the SES-4 satellite specified in the December 2011 STA Request and subsequent stamp-grant authorization are unchanged for this extension request. Lockheed Martin fully understands that all of its proposed launch, early-operations, and IOT TT&C support for the SES-4 launch will be on a strictly non-harmful interference, non-protected basis.

Lockheed Martin emphasizes that the limited operations it is conducting in support of the launch and IOT of SES-4 – operations Lockheed Martin and the satellite operator has coordinated and will continue to coordinate in advance with any and all potentially affected entities that operate communications systems in compliance with the Table of Frequency Allocations during the limited period of use – are required in the public interest. For LEOp services, Lockheed Martin’s earth station is part of a global network of control facilities that is being used to position the satellite as it progresses from transfer orbit to its final location. The safe and orderly use of the entire geostationary orbital resource and protection of the hundreds of satellites from the U.S. and other countries that operate there depends in no small part on ensuring that the SES-4 satellite is controlled while over North America, and Lockheed Martin’s earth station thus will serve a limited-duration, but nonetheless vital function.

¹ Lockheed Martin submits that a 60-day temporary authorization is appropriate here for the reasons stated in Exhibit A of the December 2011 STA Request (at note 4).

Michael Usarzewicz will continue to be the contact person designated by Lockheed Martin to be available whenever transmission to, or reception from, SES-4 is to occur through the subject earth station. Mr. Usarzewicz can be reached at the following cell phone number: (609) 865-2658 and/or station number: (908) 859-4050.

In sum, Lockheed Martin requests a 60-day extension of its authority under File No. SES-STA-20111209-01447 to operate its Carpentersville, NJ Ku-band earth station antenna to provide critical TT&C services during the launch and early operations and IOT phases of the SES-4 satellite, from February 24, 2011 through April 23, 2011, under the same terms and conditions as granted in the December 2011 STA Request.