

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
STA Extension for Call Sign E050272, Napa, CA

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 Condition



File # SES-STA-20100423-00472

Call Sign E050272 Grant Date 4/29/2010
(or other identifier)

Term Dates
From 5/9/2010 To: 7/9/2010

Approved: *Kathleen Madsen*

Chief Satellite Engg. B.

Attachment

SES-STA-20100423-00472
E050272

Condition:

Lockheed Martin must notify the JPO for GPS Captain Harry Hariharan at (310) 653-3253 every 30 days of the status of this satellite. Also, if the satellite is lost then Lockheed must notify Captain Hariharan and Mr. Davison of NTIA at (202) 482-5526 when that happens.

With Condition

File # SES-STA-20100423-00472

Call Sign E050272 Grant Date 4/29/2010
(or other identifier)

From 5/9/2010 Term Dates To: 7/9/2010

Approved: *[Signature]*

Chief Satellite Group B.



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 Suite 600	E-Mail:	sbaruch@lermansenter.com
City:	Washington	State:	DC
Country:	USA	Zipcode:	20006 -
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

04/10/2010

7. City Napa

8. Latitude

(dd mm ss.s h) 38 14 41.6 N

9. State CA	10. Longitude (dd mm ss.s h) 122 16 45.8 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.) <div style="border: 1px solid black; padding: 5px; margin: 5px 0;">Request for extension of STA (File No. SES-STA-20100408-00422) allowing slight relaxation of azimuth and elevation coordination limits to permit continued operation with LM-RPS1 satellite following anomaly suffered by host satellite. See Exhibit A.</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 Jennifer Warren	15. Title of Person Signing Vice President, Trade 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).	

FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

The public reporting for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the required data, and completing and reviewing the collection of information. If you have any comments on this burden estimate, or how we can improve the collection and reduce the burden it causes you, please write to the Federal Communications Commission, AMD-PERM, Paperwork Reduction Project (3060-0678), Washington, DC 20554. We will also accept your comments regarding the Paperwork Reduction Act aspects of this collection via the Internet if you send them to PRA@fcc.gov. PLEASE DO NOT SEND COMPLETED FORMS TO THIS ADDRESS.

Remember – You are not required to respond to a collection of information sponsored by the Federal government, and the government may not conduct or sponsor this collection, unless it displays a currently valid OMB control number or if we fail to provide you with this notice. This collection has been assigned an OMB control number of 3060-0678.

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.

Exhibit A

**Lockheed Martin Corp.
Earth Station STA
Call Sign E050272
April 23, 2010**

Description

Lockheed Martin Corporation (“Lockheed Martin”) hereby respectfully requests special temporary authority (“STA”) to continue operating its Napa, California earth station (Call Sign E050272) at slight variance from the license for an additional period of 60 days while efforts continue to remedy the effects of an anomaly that has befallen the spacecraft that hosts the LM-RPS1 satellite. Specifically, Lockheed Martin requests a 60-day extension of the STA now in force for Call Sign E050272 in File No. SES-STA-20100408-00422 (“April 8 STA”).

As the Commission is aware, the Galaxy-15 satellite, which is operated by PanAmSat Licensee Corp. (“PLC”) nominally at the 133° W.L. orbital location and is the host platform for LM-RPS1, suffered an anomaly of unknown origin in early April 2010. Since the onset of the anomaly, the LM-RPS1 payload has continued to function. Lockheed Martin is able to continue using the Napa earth station to access the payload in its intended manner for the provision of radionavigation-satellite service (“RNSS”). To the extent that the space station may have moved outside its designated station-keeping box, Lockheed Martin’s operation of the Napa earth station with a few slightly altered transmission parameters takes place under the authority granted in the April 8 STA.

PLC has apprised Lockheed Martin that while efforts to recover from the anomaly that befell Galaxy-15 continue, it expects that continued utilization of the LM-RPS1 satellite by Lockheed Martin will be viable. Under current projections, viability of LM-RPS1 operations is to extend at least into July 2010, even without full recovery from the anomaly in the interim. Lockheed Martin requests authority to continue operating LM-RPS1 under the conditions authorized in the April 8 STA for a period of 60 additional days – or until July 8, 2010.

As the satellite continues a very slow drift eastward from the 133° W.L. orbital location, the operational elevation angle of the earth station to the satellite will increase. This means that from the standpoint of a terrestrial station that operates on either of the uplink frequencies – 6690.42 MHz and 6639.27 MHz – on the Call Sign E050272 license, the radiated power from the Napa earth station will decrease. With respect to other technical transmission parameters Lockheed Martin was conditionally authorized to use in the April 8 STA (*see* File No. SES-STA-20100408-00422, at Exhibit A, p.1), Lockheed Martin requests that the azimuth range be further extended on the east to 188° from the eastern limit of 197° under the Call Sign E050272 license and 195.8° under the April 8 STA. For the same period, Lockheed Martin also requests that the elevation angle range be further extended to 46.0° from its upper limit of 44.3° under the Call Sign E050272 license and 44.6° under the April 8 STA.

Lockheed Martin has notified the GPS Wing (operators of the co-frequency GPS system) of the status of the LM-RPS1 satellite, as required in the April 8 STA. In a companion STA request that Lockheed Martin is filing today for extension of the LM-RPS1 STA in File No. SAT-STA-20100408-00069 (“LM-RPS1 STA”), Lockheed Martin confirms that it has coordinated at-variance operations of LM-RPS1 with the GPS Wing for the duration of the requested STA term. Lockheed Martin recognizes and accepts that all operations at variance with its license for Call Sign E050272 are on a non-harmful interference/non-protected basis.

Continued use of a viable LM-RPS1 satellite via the Napa earth station by Lockheed Martin is in the public interest. The LM-RPS1/E050272 network is part of a GPS augmentation system that provides the Federal Aviation Administration (the sole customer of Lockheed Martin for LM-RPS1 capacity) with enhanced navigation data that is used in managing the nation’s air traffic and control systems. Any disruption in service that is otherwise viable would cause a serious prejudice to the public and national interests. As long as Lockheed Martin can reliably communicate that information over LM-RPS1 via its Napa earth station without harmfully interfering with any authorized users of the spectrum, it should be allowed to do so.

Lockheed Martin requests that the Commission act favorably on the instant STA request no later than May 8, 2010 – as the Commission determined in the LM-RPS1 STA that continuation of operations beyond the term of the April 8 space station STA requires prior affirmative authorization by the Commission. Lockheed Martin is prepared to submit permanent applications for the modified authority should such submissions be necessary or appropriate following resolution of the anomaly that affected Galaxy-15. Under these circumstances, a 60-day STA is appropriate. *See* 47 C.F.R. § 25.120(b)(2).