

S2372 SAT-STA-20100423-00082 IE2010001279
Lockheed Martin Corporation

File # SAT-STA-2010 0423-00082
Call Sign S2372 Grant Date 05/06/10
(or other identifier) Term Dates Period of
From 05/09/10 To: 30 days

Approved by OMB
3060-0678

Date & Time Filed: Apr 23 2010 3:50:13:970PM
File Number: SAT-STA-20100423-00082
Callsign:

Approved: Stephen J Duall
Stephen J. Duall
Chief, Satellite Policy Branch



*subject to conditions

FEDERAL COMMUNICATIONS COMMISSION
APPLICATION FOR SPACE STATION SPECIAL TEMPORARY AUTHORITY
FOR OFFICIAL USE ONLY

APPLICANT INFORMATION

Enter a description of this application to identify it on the main menu:
STA Extension for LM-RPS-1 (Call Sign S2372)

I. Applicant

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

Attachment to Grant
IBFS File No. SAT-STA-20100423-00082
Call Sign S2372
May 6, 2010

The request of Lockheed Martin Corporation (Lockheed Martin) for a 30-day extension of special temporary authority, IBFS File No. SAT-STA-20100423-00082, to operate the LM-RPS1 space station (Call Sign S2372) outside the +/-0.05° north/south and east/west station-keeping boxes previously authorized¹ is granted. This authorization shall be in accordance with the technical specifications set forth in PanAmSat's application, Federal Communication Commission (Commission) rules, and the following conditions:

1. 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 Capt Hariharan and Mr. Davison of NTIA at 202-482-5526 when that happens.

2. Any action taken or expense incurred as a result of operations pursuant to this special temporary authority is solely at Lockheed Martin's own risk.

3. 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.



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Approved: Stephen J. Duall
Stephen J. Duall
Chief, Satellite Policy Branch

¹ Lockheed Martin Corporation, *Order and Authorization*, DA 05-1747 (Int'l Bur. 2005).

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 SATSTA2010040800069 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 CRY – Space Station (Geostationary)			
5. Type Request			
<input type="radio"/> Change Station Location		<input type="radio"/> Extend Expiration Date	
		<input checked="" type="radio"/> Other	
6. Temporary Orbit Location		7. Requested Extended Expiration Date	

<p>8. 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.)</p> <div style="border: 1px solid black; padding: 5px;"> <p>Applicant requests extension of conditional temporary authority granted under File No. SES-STA-20100408-00069 to continue operating LM-RPS1 satellite outside of E/W and N/S stationkeeping restrictions following anomaly suffered by host satellite. See Exhibit A.</p> </div>					
<p>9. 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.</p> <p style="text-align: center;"> <input checked="" type="radio"/> Yes <input type="radio"/> No </p>					
<p>10. Name of Person Signing Jennifer Warren</p>	<p>11. Title of Person Signing Vice President, Technology Policy</p>				
<p>12. Please supply any need attachments.</p> <table border="1" style="width: 100%;"> <tr> <td style="width: 50%;">Attachment 1: Exhibit A</td> <td style="width: 50%;">Attachment 2:</td> </tr> <tr> <td></td> <td>Attachment 3:</td> </tr> </table>		Attachment 1: Exhibit A	Attachment 2:		Attachment 3:
Attachment 1: Exhibit A	Attachment 2:				
	Attachment 3:				
<p style="text-align: center;"> 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). </p>					

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Exhibit A

**Lockheed Martin Corp.
Space Station STA
LM-RPS1 (Call Sign S2372)
April 23, 2010**

Description

Lockheed Martin Corporation (“Lockheed Martin”) hereby respectfully requests special temporary authority (“STA”) to continue operating the LM-RPS1 satellite (Call Sign S2372) at variance from station keeping tolerances set forth in the LM-RPS1 license, under a 60-day extension of the Lockheed Martin STA now in force in File No. SAT-STA-20100408-00069 (“April 8 STA”).

As the Commission is aware, the Galaxy-15 satellite, which is operated by PanAmSat Licensee Corp. (“PLC”) 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 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 continued operation is 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.

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. 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 the LM-RPS1 license are on a non-harmful interference/non-protected basis.

Continued use of a viable LM-RPS1 satellite by Lockheed Martin is unquestionably in the public interest. The space station 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 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 April 8 STA that continuation of operations beyond the term of the April 8 STA require 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).