

S2372 SAT-STA-20100528-00115
Lockheed Martin Corporation

IB2010001685

File # SAT-STA-20100528-00115

Call Sign S2372 Grant Date 06/08/10
(or other identifier)

Term Dates 06/08/10 To: 30 days
period of

Approved by OMB
3060-0678

GRANTED*
International Bureau

*subject to conditions

Approved: Stephen J. Dvail

Chief, Satellite Policy Branch

Date & Time Filed: May 28 2010 12:22:16:400PM
File Number: SAT-STA-20100528-00115
Callsign:

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)

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		-

Attachment to Grant
IBFS File No. SAT-STA-20100528-00115
Call Sign S2372
June 8, 2010

The request of Lockheed Martin Corporation (Lockheed Martin) for a 30-day extension, commencing June 8, 2010, of special temporary authority to operate the LM-RPS1 space station (Call Sign S2372) outside the +/-0.05° north/south and east/west station-keeping boxes previously authorized,¹ IBFS File No. SAT-STA-20100528-00115, 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.



*subject to conditions

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(or other identifier)

Term Dates period of
From 06/08/10 To: 30 days

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 SATSTA2010042300082 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 checked="" type="radio"/> Extend Expiration Date	
		<input type="radio"/> Other	
6. Temporary Orbit Location		7. Requested Extended Expiration Date	
		2010-07-08 00:00:00.0	

<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. SAT-STA-20100423-00082 to continue operating LM-RPS1 satellite outside of E/W and N/S stationkeeping restrictions following anomaly suffered by host satellite for an additional 30 days -- i.e., until July 8, 2010.</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"; party to the application; for these purposes.</p> <p style="text-align: right;"> <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: Description</td> <td style="width: 50%;">Attachment 2:</td> </tr> <tr> <td></td> <td>Attachment 3:</td> </tr> </table>		Attachment 1: Description	Attachment 2:		Attachment 3:
Attachment 1: Description	Attachment 2:				
	Attachment 3:				
<p>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)
May 28, 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 30-day extension of the Lockheed Martin STA now in force in File No. SAT-STA-20100423-00082 (“RPS1 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 has been 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 has moved outside its designated station-keeping box, Lockheed Martin’s continued operation is under the authority granted in the RPS1 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 30 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 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 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 June 8, 2010 – as the Commission has determined that continuation of operations beyond the term of the RPS1 STA requires prior affirmative authorization by the Commission.