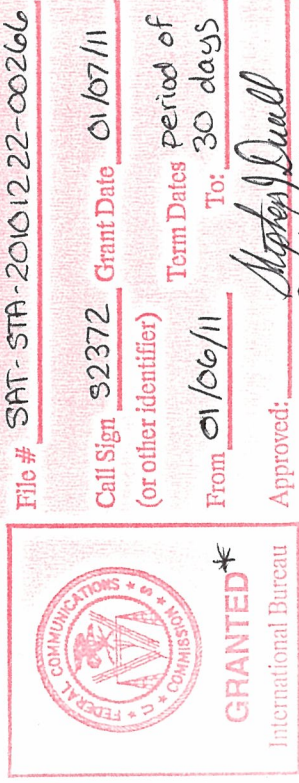


S2372 SAT-STA-20101222-00266
LOCKHEED MARTIN CORPORATION
LM RPS-1

IB2010003947

Date & Time Filed: Dec 22 2010 10:21:10:646AM
File Number: SAT-STA-20101222-00266
Callsign:



File # SAT-STA-20101222-00266
Call Sign S2372 Grant Date 01/07/11
(or other identifier)
Term Dates period of 30 days
From 01/06/11 To:
Approved: Stephen J. Duall
Stephen J. Duall
Chief, Satellite Policy Branch

Approved by OMB
3060-0678

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) December 2010


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-20101222-00266
Call Sign S2372
January 7, 2011

The request of Lockheed Martin Corporation (Lockheed Martin) for a 30-day extension, commencing on January 6, 2011, 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-20100901-00187, is granted. This authorization shall be in accordance with the technical specifications set forth in Lockheed Martin'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.

 GRANTED* International Bureau *with conditions	File # <u>SAT-STA-20101222-00266</u>
	Call Sign <u>S2372</u> Grant Date <u>01/07/11</u>
	(or other identifier)
	Term Dates <u>period of</u> From <u>01/06/11</u> To: <u>30 days</u>
	Approved: <u>Stephen J. Duall</u> 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
Company:	Lerman Senter PLLC
Street:	2000 K Street, NW Suite 600
City:	Washington
Country:	USA
Attention:	
Phone Number:	202-416-6782
Fax Number:	202-429-4626
E-Mail:	sbaruch@lermansenter.com
State:	DC
Zipcode:	20006
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 SATSTA2010112900247 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	
	2011-02-05 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-20101129-00247 to allow for continued operation of 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 February 5, 2011.</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: 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: 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)
December 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-20101129-00247 (“RPS1 STA”).

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 April 2010. Since the onset of the anomaly, and until very recently, Lockheed Martin had been able to continue using the LM-RPS1 payload in its intended manner for the provision of radionavigation-satellite service (“RNSS”). Lockheed Martin’s continued operation of the space station outside its designated station-keeping box is under the authority granted in the RPS1 STA.

Lockheed Martin continues to be capable of communicating with LM-RPS1 under the conditions authorized in the RPS1 STA, but the resulting signals from LM-RPS1, while posing no interference threats, are increasingly unreliable for their intended use. Engineers expect to make a determination on the continued utility of the LM-RPS1 platform sometime in January 2011. Under these circumstances, and pending this determination or related action, Lockheed Martin requests authority to continue operating LM-RPS1 under the conditions authorized in the RPS1 STA for a period of 30 additional days – or until February 5, 2011. Lockheed Martin will apprise the Commission of any additional developments as events warrant.

Lockheed Martin has notified the GPS Directorate (operators of the co-frequency GPS system) of the status of the LM-RPS1 satellite, as required in the RPS1 STA. 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 has been 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. The utility of the signal on a going-forward basis will be determined in the first few weeks of January 2011, and clearly any continued or restored ability of Lockheed Martin to provide a viable service would have significant public and national interests. As long as Lockheed Martin can reliably communicate over LM-RPS1 and assess the continuing viability of the RNSS payload without harmfully interfering with any authorized users of the spectrum, it should be allowed to do so.

On the basis of the foregoing, Lockheed Martin respectfully requests that the Commission act favorably on the instant STA request, and allow operations of LM-RPS1 to continue for an additional 30 days (i.e., until February 5, 2011).