


S2372 SAT-STA-20110302-00044 IB2011000635
Lockheed Martin Corporation
LM RPS-1

Date & Time Filed: Mar 2 2011 11:34:26:870AM
File Number: SAT-STA-20110302-00044
Callsign:



GRANTED*
International Bureau
*with conditions

File # SAT-STA-2011 0302-00044
Call Sign S2372 **Grant Date** 03/03/11
Term Dates period of 30 days
From 03/07/11 **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) March 2011

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-20110302-00044
Call Sign S2372
March 3, 2011

The request of Lockheed Martin Corporation (Lockheed Martin) for a 30-day extension, commencing on March 7, 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-20110202-00022, 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-20110302-00044</u>
	Call Sign <u>S2372</u> Grant Date <u>03/03/11</u> (or other identifier)
	Term Dates period of From <u>03/07/11</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	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 SATSTA2011020200022 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 133.1W	
7. Requested Extended Expiration Date 2011-04-06 00:00:00.0	

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.)

Applicant requests extension of special temporary authority granted under File No. SAT-STA-20110202-00022 to allow for continued operation of LM-RPS1 satellite outside of E/W and N/S stationkeeping restrictions for an additional 30 days -- i.e., until April 6, 2011 -- while the host satellite is drifted westward toward the 133.1 degrees west longitude

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.

Yes No

10. Name of Person Signing
Jennifer Warren

11. Title of Person Signing
Vice President, Technology Policy

12. Please supply any need attachments.

Attachment 1: Exhibit A

Attachment 2:

Attachment 3:

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.

8. Description

Applicant requests extension of special temporary authority granted under File No. SAT-STA-20110202-00022 to allow for continued operation of LM-RPS1 satellite outside of E/W and N/S stationkeeping restrictions for an additional 30 days -- i.e., until April 6, 2011 -- while the host satellite is drifted westward toward the 133.1 degrees west longitude orbital location.

Exhibit A

**Lockheed Martin Corp.
Space Station STA
LM-RPS1 (Call Sign S2372)
March 2011**

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-20110202-00022 ("RPS1 STA").

The Galaxy 15 satellite, which is licensed for operation by Intelsat License LLC ("Intelsat") at the 133° W.L. orbital location and is the host platform for LM-RPS1, suffered an anomaly of unknown origin in April 2010 that caused the satellite to drift eastward. In December 2010, Intelsat was able to regain control of the Galaxy 15 satellite, and later moved the satellite to a temporary holding slot at 93° W.L., where Lockheed Martin conducted successful tests of the LM-RPS1 radionavigation-satellite service ("RNSS") payload. *See* RPS1 STA, Exhibit A at 1. Intelsat successfully completed its own tests on the Galaxy 15 satellite, and has started the satellite on a slow westward drift to the 133.1° W.L. orbital location. Intelsat anticipates that the satellite will arrive at the new location on April 3, 2011. *See* Intelsat License LLC STA Request for Galaxy 15, File No. SES-STA-20110228-00039, Narrative at 2 (filed February 28, 2011). Intelsat has stated its intention to reload communications traffic onto Galaxy 15 and have the satellite eventually resume its authorized orbital location at 133° W.L. *See* Intelsat Request for STA to Drift and Operate Galaxy 15, File No. SAT-STA-20110209-00028, Narrative at 2-3 (filed February 9, 2011).

Lockheed Martin is once again able to use the LM-RPS1 payload in its intended manner for the provision of RNSS. Accordingly Lockheed Martin hereby requests an extension of the RPS1 STA to allow it to operate the LM-RPS1 payload during the satellite's drift to and while on station at the 133.1 ° W.L. orbital location. As always, 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 is part of a GPS augmentation system that has provided 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 denial to Lockheed Martin of the ability to provide its customer with a viable enhanced navigation service 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.

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 April 6, 2011).