

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
Lockheed Martin STA for Clarksburg ES to operate during/after I-3 54W drift

I. Applicant

Name:	Lockheed Martin Corporation	Phone Number:	301-897-6000
DBA Name:		Fax Number:	301-897-6142
Street:	6801 Rockledge Drive	E-Mail:	jennifer.warren@lmco.com
City:	Bethesda	State:	MD
Country:	USA	Zipcode:	20817 -
Attention:	Ms Jennifer A Warren		



File # SES-STA-20060120-00074
Call Sign E970322 Grant Date 2/1/06
(or other identifier)
From 2/3/06 Term Expires 4/3/06
Approved: Jeanette K Spragg

2. Contact

Name:	Stephen Baruch	Phone Number:	202-416-6782
Company:	Leventhal Senter & Lerman PLLC	Fax Number:	202-429-4626
Street:	2000 K Street, N.W.	E-Mail:	sbaruch@lsl-law.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
02/03/2006

7. City Clarksburg

8. Latitude
(dd mm ss.s h) 39 13 5.0 N

9. State MD	10. Longitude (dd mm ss.s h) 77 16 25.0 W
11. Please supply any need attachments. Attachment 1: Clarksburg Exhibit 1 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: 10px 0;">Lockheed Martin Corp. requests special temporary authority to operate its Clarksburg, MD earth station (Call Sign E970322) with the Inmarsat-3 54 deg. W satellite, during the westward drift of that satellite to a new location at 142 deg. W.L., and at 142 deg. W.L. pending grant of Lockheed Martin's to-be-filed modification of license application to</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 Senior Director, Trade & Regulatory Affairs
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).	

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12. Description

Lockheed Martin Corp. requests special temporary authority to operate its Clarksburg, MD earth station (Call Sign E970322) with the Inmarsat-3 54 deg. W satellite, during the westward drift of that satellite to a new location at 142 deg. W.L., and at 142 deg. W.L. pending grant of Lockheed Martin's to-be-filed modification of license application to include the Inmarsat-3 142 deg. W satellite as a point of communication.

EXPLANATION AND PUBLIC INTEREST STATEMENT

Lockheed Martin Corporation ("Lockheed Martin") has been informed that the Inmarsat-3 satellite located at 54° W.L. ("I-3-54W"), with which the Lockheed Martin earth station at Clarksburg, MD (File No. SES-LIC-19970520-00657; Call Sign E970322) is authorized to communicate in certain L-band and C-band frequencies via 16.4 meter diameter and 1.8 meter diameter antennas, will shortly be drifted by its operator to a new orbital location at 142° W.L. The drift operation is scheduled to begin early next month, and continue at a westward rate of approximately two degrees in longitude per day until it reaches the new destination. In this application, Lockheed Martin requests special temporary authority to communicate with the I-3-54W satellite during its westward drift and at its new location at 142° W.L. The facilities and frequencies to be used are those specified in the existing license. With respect to operations at 142° W.L. following the arrival there of the I-3-54W satellite, Lockheed Martin has commissioned a frequency coordination for the use of the subject earth station with the I-3-54W satellite at 142° W.L., and intends to file a modification of license application to specify the relocated spacecraft as a point of communication for the Clarksburg station once the ongoing coordination has been completed. Based on information received from the operator of the I-3-54W satellite, drift operations will commence during the first week of February 2006 – more than three business days after the filing of this application. Lockheed Martin requests that the authority requested here be granted effective February 3, 2006, and continue for a period of 60 days.

Lockheed Martin has been using its Clarksburg, MD earth station to communicate with the I-3-54W satellite for many years. It uses the satellite to provide radionavigation-satellite service ("RNSS") in the 1559-1610 MHz "L1" band to the Federal Aviation Administration's ("FAA") Wide Area Augmentation Service ("WAAS") system. There is no other operational RNSS satellite capacity to replace the RNSS capacity on the I-3-54W satellite. Lockheed Martin's own RNSS space stations, which were launched last year to the 107.3° W.L. and 133° W.L. orbital locations, are expected to be in testing for nine or more months. It thus is essential for continuity of FAA's Safety of Life Critical RNSS WAAS service – something that is clearly in the public interest – that Lockheed Martin's Clarksburg, MD earth station be permitted to continue to communicate with the I-3-54W satellite as it drifts westward and at its new orbital location at 142° W.L. Moreover, any delay in the grant of the authorization requested here will disrupt a critical service and thus severely prejudice the public interest.

During the westward drift, Lockheed Martin will operate the earth station on a strictly non-interference basis with respect to other C-band and RNSS operators – including the U.S. Global Positioning System, the signals of which the I-3-54W satellite augments. Lockheed Martin will coordinate its spectrum use with other earth station and satellite operators as necessary to ensure operations on a non-interference basis. Inmarsat, the owner and operator of the I-3-54W satellite, has already conducted coordination with other satellite operators along the geostationary arc from 54° W.L. to 142° W.L. and has resolved any potential interference issues from the satellite downlinks.

By the time the satellite reaches 142° W.L., Lockheed Martin expects to have filed its application for permanent operation of the Clarksburg, MD earth station with the I-3-54W satellite at that location, and its request will become one for authority to operate pending grant of the modification application.

For these reasons, Lockheed Martin respectfully requests an STA permitting it to operate its Clarksburg, MD earth station with the I-3-54W satellite during its westward drift from 54° W.L. to 142° W.L. and upon arrival at the latter location for a period of up to sixty (60) days prior to grant of its pending application for permanent authority. *See* 47 C.F.R. § 25.120(b)(3). Lockheed Martin requests that the authority it seeks herein be granted effective February 3, 2006.



LEVENTHAL SENTER & LERMAN PLLC

January 31, 2006

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Ms. Marlene H. Dortch
Secretary
Federal Communications Commission
445 12th Street, S.W., Room TW-B204
Washington, D.C. 20554

**Re: Application of Lockheed Martin Corp. for Special Temporary
Authority to Operate Clarksburg, MD Earth Station
(File No. SES-STA-20060120-00074)**

Dear Ms. Dortch:

On behalf of Lockheed Martin, I wish to clarify one element of Lockheed Martin's pending request to operate its Clarksburg, MD earth station (Call Sign E970322) with the INMARSAT-3-54W satellite during that satellite's westward drift to 142 deg. W.L. and while on station at 142 deg. W.L. pending action on Lockheed Martin's forthcoming modification of license application. See File No. SES-STA-20060120-00074. Lockheed Martin's license for the Clarksburg earth station includes authority to receive transmissions from the satellite in the 1545.8-1548 MHz mobile-satellite service band. Lockheed Martin does not request temporary authority for this element of its license with respect to communications with the above-referenced satellite.

Please contact the undersigned with any questions or requests for additional information.

Respectfully submitted,

Stephen D. Baruch
Attorney for Lockheed Martin Corp.

cc: Scott Kotler, FCC (International Bureau) (via e-mail)
Jennifer Warren, Lockheed Martin Corp. (via e-mail)