

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

**APPLICANT INFORMATION** Enter a description of this application to identify it on the main menu:  
Emergency STA for EchoStar 3 - July 2017 (30-day STA)

**1. Applicant**

**Name:** Lockheed Martin Corporation      **Phone Number:** 703-413-5747  
**DBA Name:**      **Fax Number:** 703-413-5908  
**Street:** 2121 Crystal Drive      **E-Mail:** ryan.n.terry@lmco.com  
Suite 100  
**City:** Arlington      **State:** VA  
**Country:** USA      **Zipcode:** 22202  
**Attention:** Ryan N Terry



File # SES - STA - 20170727 - 00823

Call Sign E7541 Grant Date 7/28/2017  
(or other identifier)

Term Dates  
From 7/28/2017 To: 8/27/2017


Approved: Paul E. Hayes

Applicant: Lockheed Martin Corporation  
Call Sign: E7541  
File No.: SES-STA-20170727-00823

Lockheed Martin Corporation is granted special temporary authority for 30-days operate its earth station (E7541) in Carpentersville, NJ beginning July 28, 2017 to provide command functions to the EchoStar 3 (S2741) satellite on center frequency 17301.5 MHz (Earth-to-space). Operations are authorized under the following conditions:

1. Operations will not exceed the operational power levels and parameters currently authorized in E7541's license.
2. All operations under this grant of STA shall be on an unprotected and non-harmful interference basis. Lockheed Martin Corporation shall not cause harmful interference to, and shall not claim protection from interference caused to it by, any other lawfully operating radio communication system.
3. In the event of any harmful interference Lockheed Martin Corporation shall cease operations immediately upon notification of such interference, and shall immediately inform the Commission, in writing, of such an event.
4. Grant of this STA is without prejudice to any determination that the Commission may make regarding pending or future Lockheed Martin Corporation applications.
5. Any action taken or expense incurred as a result of operations pursuant to this special temporary authority is solely at Lockheed Martin Corporation's risk.

This grant is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. § 0.261, and is effective upon release.

 <b>GRANTED</b> International Bureau	File # <u>SES - STA - 20170727 - 00823</u>
	Call Sign <u>E7541</u> Grant Date <u>7/28/2017</u> (or other identifier)
	Term Dates From <u>7/28/2017</u> To: <u>8/27/2017</u>
	Approved: <u>Paul E. Hlab</u>

<b>2. Contact</b>	
<b>Name:</b> Ryan N. Terry	<b>Phone Number:</b> 703-413-5747
<b>Company:</b> Lockheed Martin Corporation	<b>Fax Number:</b> 703-413-5908
<b>Street:</b> 2121 Crystal Drive Suite 100	<b>E-Mail:</b> ryan.n.terry@lmco.com
<b>City:</b> Arlington	<b>State:</b> VA
<b>Country:</b> USA	<b>Zipcode:</b> 22202 -
<b>Attention:</b>	<b>Relationship:</b> Same
(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?	
<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 CGX - Fixed Satellite Transmit/Receive Earth Station	
5. Type Request	
<input type="radio"/> Use Prior to Grant <input type="radio"/> Change Station Location <input checked="" type="radio"/> Other	
6. Requested Use Prior Date 07/27/2017	
7. City Carpentersville	
8. Latitude (dd mm ss.s h) 40 38 39.1 N	

9. State NJ	10. Longitude (dd mm ss.s h) 75 11 27.8 W
11. Please supply any need attachments. Attachment 1: STA 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.) Lockheed Martin Corporation hereby requests emergency Special Temporary Authority for 30 days to operate its Carpentersville, New Jersey fixed earth station (Call Sign E7541) to provide command functions to the EchoStar 3 satellite. Specifically, Lockheed Martin seeks authority to communicate with EchoStar 3 on the 17301.5 MHz frequency.	
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. Yes <input checked="" type="radio"/> No <input type="radio"/>	
14. Name of Person Signing Jennifer A. Warren	15. Title of Person Signing Vice President, Technology Policy & Regulation
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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**REQUEST FOR EMERGENCY SPECIAL TEMPORARY AUTHORITY  
(CALL SIGN E7541)**

Lockheed Martin Corporation ("Lockheed Martin") hereby requests emergency Special Temporary Authority to permit its above-referenced fixed-satellite earth station facility in Carpentersville, NJ, to communicate with the EchoStar 3 satellite as a point of communication in the Ku-band outside of its currently licensed parameters.

EchoStar has engaged Lockheed Martin to provide assistance using its earth station to locate and transmit command signals to the EchoStar 3 satellite, which suffered an anomaly while the satellite was completing a maneuver to relocate it to a different orbital position. Specifically, Lockheed Martin seeks authority to communicate with EchoStar 3 on the 17301.5 MHz frequency in a vertical orientation. All other technical aspects of the requested operations will be consistent with Lockheed Martin's permanent authority.

Lockheed Martin sought and was issued oral Special Temporary Authority by the FCC's Operations Center on the evening of July 27, 2017. We hereby request that the International Bureau extend that authority by grant of the instant request for a period of 30-days to permit continued operation of its earth station in support of this critical mission.