

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:  
Carpentersville TT&C Follow-on 30-Day LEOP STA for ABS-3A - March 2015

1. Applicant

**Name:** Lockheed Martin Corporation **Phone Number:** 703-413-5970  
**DBA Name:** **Fax Number:** 703-413-5908  
**Street:** 2121 Crystal Drive **E-Mail:** Jennifer.Warren@lmco.com  
Suite 100  
**City:** Arlington **State:** VA  
**Country:** USA **Zipcode:** 22202  
**Attention:** Ms Jennifer Warren

"30 days" Extension with conditions

File # SES-STA-20150326-00183



Call Sign E1541 Grant Date 04/02/2015  
(or other identifier)

Term Dates  
From 04/07/2015 To: 05/06/2015

Approved: *[Signature]*


Applicant: Lockheed Martin Corporation  
File No.: SES-STA-20150326-00183  
Call Sign: E7541

Lockheed Martin Corporation is granted a STA extension from SES-STA-20150304-00110, for 30 days, beginning April 7, 2015, to operate its fixed earth station, Call Sign E75411, located in, Carpentersville, NJ, to provide launch and early orbit phase services for the ABS-3 satellite, licensed and registered by Papua New Guinea, as it travels to its permanent orbital location 3.0° W.L. Communications will be on the following center frequencies: 6420.0 MHz and 6425.0 MHz in the (Earth-to-space) and 4194.5 MHz and 4197.0 MHz in the (space-to-Earth) and under the following conditions:

1. Lockheed Martin will coordinate with operators of co-frequency satellites in the drift path.
2. Operations in the uplink frequencies will be within the coordinated parameters of the antenna's current license and the coordination report submitted under IBFS File No. SES-STA-20150304-00111.
- 3 Operations, shall not cause harmful interference to, and shall not claim protection from, interference caused to it by any other lawfully operating station and it shall cease transmission(s) immediately upon notice of such interference.
4. Grant of this authorization is without prejudice to any determination that the Commission may make regarding pending or future Lockheed Martin Corporation's applications.
5. Any action taken or expense incurred as a result of operations pursuant to this STA is solely at Lockheed Martin Corporation's risk.

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.

*"30 days" extension with conditions*

 <b>GRANTED</b> International Bureau	File # <u>SES-STA-20150326-00183</u>
	Call Sign <u>E7541</u> Grant Date <u>04/02/2015</u> (or other identifier)
	Term Dates From <u>04/07/2015</u> To: <u>05/06/2015</u>
	Approved: <u>Paul E. Hillis</u>

**Request for Additional 30-day STA**

Lockheed Martin Corporation (“Lockheed Martin”) hereby requests special temporary authority (“STA”) for an additional thirty-day period to operate its Carpentersville, New Jersey C/Ku-band fixed earth station (FCC Call Sign E7541) as previously authorized in FCC File No. SES-STA-20150304-00110 (granted 3/06/2015). This authority was granted, effective March 7, 2015, to provide telemetry, tracking and control (“TT&C”) functions during the post-launch and early orbit phases (“LEOP”) of operation for the ABS-3A satellite. The current authorization expires on April 6, 2015.

Contemporaneously with the original request for a 30-day STA, Lockheed Martin also filed a request to conduct these same LEOP operations for an extended 180-day period. *See* FCC File No. SES-STA-20150304-00111.<sup>1</sup> That application appeared on FCC Public Notice on March 11, 2015, with the result that the Commission may not grant it until the statutory period allowed for public comment has elapsed on Friday, April 10, 2015, and the application becomes eligible for grant on the following business day, Monday, April 13, 2015.<sup>2</sup> That date is one week *after* the expiration date of the current short-term STA.

Accordingly, Lockheed Martin requires an additional STA to cover the period between the expiration of its current short-term STA, on April 6, 2015, and the date upon which the FCC would be able to grant the company longer term authority. Although the application will officially “come off” Public Notice on April 10, and therefore be eligible for grant on April 13, it cannot be predicted at this time when the FCC actually will be able to complete processing of this pending request. In addition, as the ABS-3A LEOP operations may extend beyond the 180-day period requested, it would serve the public interest to grant Lockheed Martin a full 30-day STA in response to this application, and defer the effective date of the requested 180-day STA, if granted, until the day following the anticipated expiration date of the new 30-day STA that Lockheed Martin is seeking herein.

Assuming grant of the authority requested commencing upon the expiration of the current STA, the resulting 30-day STA would expire at the end of the day on May 7, 2015. A grant of a further 180-day STA effective as of the following day, May 8, 2015, would allow the long-term STA to extend until November 4, 2015, increasing the likelihood that all LEOP operations for ABS-3A will have been successfully concluded by the expiration date, and removing the need to seek further authority for these operations beyond the expiration of the 180-day authority. In order to reduce the potential need for additional STA requests, and preserve the FCC staff

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<sup>1</sup> As explained in both STA requests, ABS-3A is a Boeing Model 702SP satellite using an all-electric propulsion system, a design which extends the typical LEOP period from a few weeks (easily covered by a 30-day STA) to six months or more, requiring longer term STA operation, which requires more lengthy Commission procedures.

<sup>2</sup> *See* 47 U.S.C. § 309(b) & (c)(2)(G); 47 C.F.R. § 25.120(b)(2).

resources that are required to process such requests, Lockheed Martin respectfully requests that the authority requested here be handled as described above in order to extend the terminal date of the long-term STA to the latest possible date. To facilitate this approach, Lockheed Martin will also update the record in connection with the long-term STA, File No. SES-STA-20150304-00111, upon final action on this application.

Lockheed Martin's Carpentersville earth station is part of a global network of control facilities that are critical to the safe and orderly deployment of the ABS-3A satellite, and its continued operation for this purpose will protect the hundreds of satellites licensed by the U.S. and other countries that are currently in operation. Accordingly, the grant of this request will serve the public interest.

<b>2. Contact</b>	
<b>Name:</b> David S. Keir	<b>Phone Number:</b> (202) 429-8970
<b>Company:</b> Lerman Senter PLLC	<b>Fax Number:</b> (202) 293-7783
<b>Street:</b> 2000 K Street, NW Suite 600	<b>E-Mail:</b> dkeir@lermansenter.com
<b>City:</b> Washington	<b>State:</b> DC
<b>Country:</b> USA	<b>Zipcode:</b> 20006 -1809
<b>Attention:</b>	<b>Relationship:</b> 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 SESSTA2015030400111 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 checked="" type="radio"/> Use Prior to Grant <input type="radio"/> Change Station Location <input type="radio"/> Other	
6. Requested Use Prior Date 04/07/2015	
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: Narrative 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 requests Special Temporary Authority (STA) for an additional 30-day period, commencing on 4/07/2015, to use the C-band antenna at its Carpentersville, NJ earth station (Call Sign E7541) to support post-launch/early-orbit operations TT&C for the ABS-3A satellite, launched on March 1, 2015. LEOP operations have commenced under STA	
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"; 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 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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## **12. Description**

Lockheed Martin Corporation requests Special Temporary Authority (STA) for an additional 30-day period, commencing on 4/07/2015, to use the C-band antenna at its Carpentersville, NJ earth station (Call Sign E7541) to support post-launch/early-orbit operations TT&C for the ABS-3A satellite, launched on March 1, 2015. LEOP operations have commenced under STA authority granted in FCC File No. SES-STA-20150304-00110, authority which expires on 4/06/2015. See Attached Narrative.