

.....RTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:  
Request for STA Extension re

**1. Applicant**

Name:	Lockheed Martin Corporation	Phone Number:	703-413-5970
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City:	Arlington	State:	VA
Country:	USA	Zipcode:	22202
Attention:	Ms Jennifer Warren		



*30 days "with conditions"*

File # SES-STA-20110722-00852

Call Sign E17541 Grant Date 08/03/2011  
(or other identifier)

From 08/03/2011 Term Date  
Approve For 09/01/2011  
*Paul E. Hayes*


Conditions of grant of Lockheed Martin Corporation SES-STA-20110722-00852

Lockheed Martin Corporation ("Lockheed Martin") is granted a 30 day extension of SES-STA-20110722-00852 special temporary authority ("STA") to operate its Carpentersville, New Jersey Ku-band fixed earth station (see File No. SES-LIC-20081103-01443, as amended) to provide telemetry, tracking and control ("TT&C") functions during the post-launch and transfer orbit phases of operation for the BSAT-3c satellite that will be operated by the Broadcasting Satellite System Corporation of Japan. Authority is granted, with conditions enumerated below, to transmit on the 17305.0 MHz telecommand uplink channel and receive telemetry signals from the BSAT-3c satellite on the 11707.5 MHz to 30 August.

This grant of authority will serve the public interest because these limited operations support a global network of control facilities that will be used to position the satellite as it progresses from transfer orbit to its final location. The safe and orderly use of the entire geostationary orbital resource and protection of the hundreds of satellites from the U.S. and other countries that operate there depends in no small part on ensuring that the BSAT-3c satellite is controlled while over North America.

1. All operations shall be on an unprotected, non-interference basis to both government and non-government operations.
2. All operations shall be limited to telemetry, tracking, and control (TT&C)
3. All emission will be within the parameters reflected in the Exhibit A attachment to SES-STA-20110518-00600.
4. Lockheed Martin must coordinate operations with space station operators that may be affected during the post-launch and transfer orbit phases of the earth station operation (Call Sign E920270) with the BSAT-3c satellite and will take all reasonable steps to swiftly eliminate any harmful interference caused.
5. In the event of any harmful interference, Lockheed Martin must inform the Commission, in writing, immediately.
6. Lockheed Martin has designated Michael Usarzewicz to be the contact person that will be available whenever transmission to, or reception from, BSAT-3c is to occur. Mr. Usarzewicz must be reachable at the following cell phone number: (609)-865- 2658 and/or station number: (908) 859-4050.
7. Appropriate safety protocols must be in place prior to the operation of the terminal to ensure that persons having access to areas where radiofrequency energy in excess of the maximum permissible limits specified in 47 C.F.R. § 1.1310 are not exposed. The exterior surface of the antenna shall be prominently marked with a sign warning of the potential for exposure to high levels of radiofrequency energy.
8. This authorization is not one relating to an "activity of a continuing nature" for purposes of 47 C.F.R. § 1.62 and 5 U.S.C. § 558(c).

*"With Conditions"*

 <b>GRANTED</b> International Bureau	SES-STA-20110722-00852	
	Call Sign <u>E7541</u>	Grant Date <u>08/03/2011</u>
	(or other identifier)	
	From <u>08/03/2011</u>	Term Dates To: <u>09/01/2011</u>
Approved: <u>Paul E. Glab</u>		

**Lockheed Martin Corporation**  
**Carpentersville, New Jersey Earth Station**  
**Call Sign E7541**  
**STA Request for LEOp TT&C Operations**  
**July 2011**  
**Attachment**

**Description**

Lockheed Martin Corporation (“Lockheed Martin”) requests a 30-day extension of the special temporary authority (“STA”) it holds in File No. SES-STA-20110518-00600 (“BSAT-3c STA”) to operate its Carpentersville, New Jersey Ku-band fixed earth station (see File No. SES-LIC-20081103-01443, as amended)<sup>1</sup> to provide telemetry, tracking and control (“TT&C”) functions during the post-launch and transfer orbit phases of operation for the BSAT-3c satellite that will be operated by the Broadcasting Satellite System Corporation of Japan.

As Lockheed Martin explained in its request for the BSAT-3c STA, BSAT-3c was scheduled for launch on July 1, 2011. The launch was subsequently postponed, and is now scheduled to take place on August 2, 2011. Lockheed Martin requests a 30-day extension of the BSAT-3c STA – until August 30, 2011 – to accommodate possible further slippages in the launch schedule.

All technical information in the Attachment to Lockheed Martin’s request for the BSAT-3c STA remains valid, and is hereby incorporated by reference. Michael Usarzewicz continues to be Lockheed Martin’s designated contact person, and Mr. Usarzewicz will be available whenever transmission to, or reception from, BSAT-3c is to occur through the subject earth station. Mr. Usarzewicz can be reached at the following cell phone number: (609)-865-2658 and/or station number: (908) 859-4050.

The limited operations Lockheed Martin proposes in support of the launch of BSAT-3c continue to be required in the public interest. Lockheed Martin’s earth station will be part of a global network of control facilities that will be used to position the satellite as it progresses from transfer orbit to its final location. The safe and orderly use of the entire geostationary orbital resource and protection of the hundreds of satellites from the U.S. and other countries that operate there depends in no small part on ensuring that the BSAT-3c satellite is controlled while over North America, and Lockheed Martin’s earth station thus will serve a limited-duration, but nonetheless vital function.

Lockheed Martin and the satellite operator will coordinate in advance with any and all potentially affected entities that operate communications systems in compliance with the Table

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<sup>1</sup> The pending application in File No. SES-LIC-20081103-01443, under Call Sign E7541, was filed on a provisional basis to replace Lockheed Martin’s inadvertently non-renewed license for a 14.2 meter Ku-band antenna at the Carpentersville, NJ site under Call Sign E920702. Lockheed Martin’s petition to reinstate the license for Call Sign E920702, as well as the “replacement” application it filed in the alternative under File No. SES-LIC-20081103-01443 and Call Sign E7541, are pending.

of Frequency Allocations during the limited period of use. Lockheed Martin fully understands that all of its proposed launch and early-operations TT&C support for the BSAT-3c launch will be on a non-harmful interference, non-protected basis.

Lockheed Martin has secured an updated temporary frequency coordination that covers the period from August 1, 2011 (which is before the re-scheduled BSAT-3c launch date) to beyond the proposed STA terminal date of August 30, 2011 for operations on the BSAT-3c TT&C frequencies from its Carpentersville earth station facility. The report is included as Exhibit A to this Attachment.

In sum, Lockheed Martin requests a 30-day extension of its authority in the BSAT-3c STA to operate its Carpentersville, NJ Ku-band earth station antenna to provide critical TT&C services during the launch and early operations phase of the BSAT-3c satellite. The new STA term would run from July 31, 2011 to August 30, 2011.

Action on this STA extension request is required by July 30, 2011, as the BSAT-3c STA grant specifically identified the BSAT-3c STA as “one not relating to an ‘activity of a continuing nature’ for purposes of Section 1.62 of the Commission’s Rules.” BSAT-3c STA, Stamp Grant at Condition No. 8.

**2. Contact**

**Name:** Stephen D. Baruch      **Phone Number:** 202-416-6782  
**Company:** Lerman Senter PLLC      **Fax Number:** 202-293-7783  
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Suite 600  
**City:** Washington      **State:** DC  
**Country:** USA      **Zipcode:** 20006 -1809  
**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 SESSSTA2011051800600 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  
07/31/2011

7. City Carpentersville      8. Latitude  
(dd mm ss.s h)      40 38 39.0 N

9. State NJ	10. Longitude (dd mm ss.s h) 75 11 29.0 W
11. Please supply any need attachments. Attachment 1: Attachment 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 Corp. requests a 30-day extension to the STA in File No. SES-STA-20110518-00600 allowing Lockheed Martin to use its Carpentersville, NJ earth station to support post-launch/early-operations TT&C for BSAT-3c satellite. The launch of the BSAT-3c satellite was postponed from July 1 to August 2, 2011. A 30-day STA is requested to allow	
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 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 Corp. requests a 30-day extension to the STA in File No. SES-STA-20110518-00600 allowing Lockheed Martin to use its Carpentersville, NJ earth station to support post-launch/early-operations TT&C for BSAT-3c satellite. The launch of the BSAT-3c satellite was postponed from July 1 to August 2, 2011. A 30-day STA is requested to allow accommodation of any additional delays. See Attachment