

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 STA for Hispasat AG1 - May 2017 (30-Day STA ext)

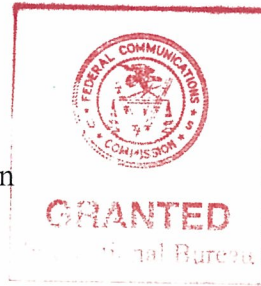
1. Applicant

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:



File # SES-STA-20170525-00600
Call Sign E7541 Grant Date 5/30/17
(or other identifier)
Term Dates
From: 5/30/17 To: 6/30/17
Approved: [Signature]

Applicant: Lockheed Martin Corporation
File No.: SES-STA-20170525-00600
Call Sign: E7541
Special Temporary Authority ("STA")



File # SES-STA-20170525-00600
Call Sign E7541 Grant Date 5/31/17
(or other identifier)
Term Dates
From: 5/31/17 To: 6/30/17
Approved: [Signature]

Lockheed Martin Corporation is granted a special temporary authority extension from SES-STA-20170112-00046, for 30 days, beginning May 31, 2017, to operate its earth station in Carpentersville, New Jersey (call- sign: E7541), to conduct telemetry, tracking, and command ("TT&C") services during the post-launch and early orbit phases of the HispaSat AG 1 satellite (a/k/a HispaSat 36W-1) at the 36.0° W.L. orbital location on the following center frequencies: 14003.80 MHz and 14494.50 MHz (Earth-to-space), and 11452.00 MHz and 12749.00 MHz (space-to-Earth). Operations are authorized under the following conditions:

1. Operations will not exceed the operational power levels and parameters requested and coordinated.
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. The LEOP operations must be coordinated with all operators of satellites that use the same frequency bands and are in the LEOP path. All operators of satellites in that path will be provided with an emergency phone number where the licensee can be reached in the event that harmful interference occurs. Currently the 24x7 contact information for the EchoStar 23 satellite LEOP mission is as follows: Cell Phone: (609) 865-2658 and/or station number (908) 859-4050. Request to speak with Mr. Usarzewicz.
5. Grant of this STA is without prejudice to any determination that the Commission may make regarding pending or future Lockheed Martin Corporation LLC applications.
6. Operations during the period May 25, 2017 to the date of this grant were authorized pursuant to Section 1.62 of the Commission's rules 47 C.F. R. § 1.62.
7. Any action taken or expense incurred as a result of operations pursuant to this STA is solely at Lockheed Martin Corporation LLC's risk.
8. 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.

2. Contact

Name: Ryan N. Terry **Phone Number:** 703-413-5747
Company: Lockheed Martin Corporation **Fax Number:** 703-413-5908
Street: 2121 Crystal Drive **E-Mail:** ryan.n.terry@lmco.com
Suite 100
City: Washington **State:** DC
Country: USA **Zipcode:** 22202
Attention: **Relationship:** 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 SESSTA2017011200046 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
05/29/2017

7. CityCarpentersville

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 extension 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;"> <p>Lockheed Martin Corporation hereby requests extension of its Special Temporary Authority for 30 days, until June 27, 2017, to operate its Carpentersville, New Jersey fixed earth station (Call Sign E7541) to provide telemetry, tracking and control (TT&C) functions during the post-launch and early orbit phases (LEOP) of operation for the Hispasat</p> </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.	
14. Name of Person Signing Jennifer A. Warren	15. Title of Person Signing Vice President, Technology Policy & Regulation
<p style="text-align: center;">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).</p>	

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.

12. Description

Lockheed Martin Corporation hereby requests extension of its Special Temporary Authority for 30 days, until June 27, 2017, to operate its Carpentersville, New Jersey fixed earth station (Call Sign E7541) to provide telemetry, tracking and control (TT&C) functions during the post-launch and early orbit phases (LEOP) of operation for the Hispasat Advanced Generation 1 (HAG1) satellite. Specifically, Lockheed Martin seeks authority to communicate with HAG1 as a point of communication and to receive telemetry data on frequencies 11452.0 and 12749.0 MHz.

URGENT REQUEST FOR EXTENSION OF SPECIAL TEMPORARY AUTHORITY

Pursuant to 47 CFR 25.120 of the Commission's Rules, Lockheed Martin Corporation ("Lockheed Martin") hereby requests extension of its Special Temporary Authority ("STA") for a period of thirty (30) days to continue operation of its Carpentersville, New Jersey fixed earth station (Call Sign E7541) to provide telemetry, tracking, and control ("TT&C") functions during the post-launch and early orbit phases ("LEOP") of operation, ranging, and electronic propulsion monitoring for the Hispasat Advanced Generation 1 ("HAG1") satellite, also known as Hispasat 36W-1.

Lockheed Martin has current LEOP authority through May 28, 2017.¹ As noted in its initial request, the TT&C and ranging signals are transmitted in the standard Ku-band for which Lockheed Martin already has authority under Call Sign E7541. Thus, Lockheed Martin's STA is limited to seeking continued authority to communicate with HAG1 as a point of communication not on the Commission's Permitted Space Station List, and also to receive telemetry data on frequencies 11452.0 and 12749.0 MHz, which fall outside of the currently authorized Ku-band receive frequencies for the earth station. In all other respects, operation of the earth station remains consistent with the parameters set forth under the existing permanent authority.

HAG1 recently reached the location of its in-service operation and is stationed at 36.0° W.L., following successful launch on January 28, 2017, aboard an Arianespace Soyuz rocket from the Guiana Space Center. Lockheed Martin's control of the satellite was intended to be finalized today with the transfer to an earth station operator in Germany to complete the LEOP TT&C mission. However, due to circumstances beyond Lockheed Martin's control, the next stage earth station facility is unable to initiate TT&C of HAG1, as it is supporting another satellite launch mission that has been beset with technical issues. The operator of HAG1 thus urgently requires continued Lockheed Martin support for the near-term future, beyond the window initially authorized.

Lockheed Martin submits that the instant STA extension request is in the public interest, as it relates to the provision of critical TT&C services to a newly launched satellite asset. Accordingly, Lockheed Martin respectfully requests a further extension of its STA, for 30 days, until June 27, 2017.²

¹ FCC File No. SES-STA-20170112-00046 (request for Special Temporary Authority for 90 days; accepted for filing Public Notice on Jan. 25, 2017; granted Feb. 27, 2017).

² Lockheed Martin will continue its operations, pending grant of this request, consistent with 47 CFR 1.62 of the Commission's rules.