

SES-STA-20110524-00614  
HARRIS CORPORATION

IE2011001476

Approved by OMB  
3060-0678

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:  
Hodgen, OK 2.4m Flyaway C band STA request

1. Applicant

Name:	HARRIS CORPORATION	Phone Number:	321-309-8557
DBA Name:		Fax Number:	321-727-9125
Street:	1025 West Nasa Blvd.	E-Mail:	bffitch@harris.com
City:	Melbourne	State:	FL
Country:	USA	Zipcode:	32919
Attention:	Bruce Fitch		

60 days "with conditions"

File# SES-STA-20110524-00614

Call Sign N/A Grand Date 05/25/2011  
(or other identifier)

Term Dates  
From 05/25/2011 To 07/25/2011

Approved:



Grant Conditions:  
Harris Corporation  
SES-STA-20110524-00614

Special Temporary Authority is granted from 5-25-2011 to 7-25-2011 to support FAA Air Traffic Control operations in Hodgen, Oklahoma due to tornado recovery efforts in the Joplin, MO area under the following conditions.

1. Earth station operations are limited to transmission and reception to AMC-3 at 87 W within the Emission / Frequency Range (MHz) 77K0G7D / 5925.0 - 5978.0 77K0G7D / 6030.0 - 6425.0 applied for in the attached application.
2. All operations shall be on an unprotected and non-harmful interference basis, i.e., Harris shall not cause harmful interference to, and shall not claim protection from, interference caused to it by any other lawfully operating station.
3. Harris must complete an electronic application of this request via the FCC licensing portal, <http://licensing.fcc.gov/myibfs/> and pay all required filing fees.
4. In the event that there is a report of interference, Harris must immediately terminate transmissions and notify the FCC in writing.
5. Harris must notify FCC at the conclusion of this event.
6. Harris must comply with all FAA antenna height restrictions defined in 47 CFR Part 17.
7. Harris must make all reasonable and customary measures to ensure that the temporary earth station does not create a potential for harmful non-ionizing radiation to persons who may be in the vicinity of the earth station when it is in operation. At a minimum, permanent warning labels shall be fixed to the earth station and its housing warning of the radiation hazard and including a diagram showing the regions around the earth station where radiation levels could exceed 1 .0mW/cm<sup>2</sup>. The earth station operator shall be responsible for assuring that individuals do not stray into the regions around the earth station where there is a potential for exceeding the maximum permissible exposure limits required by 47 C.F.R. §1.1310. This shall be accomplished by means of signs, caution tape, verbal warnings, placement of the earth station so as to minimize access to the hazardous region, and/or other appropriate means.
8. Harris must identify the call sign of the damage earth station.
9. If Harris has problems with these matters, please call Paul Blais or Frank Peace at 202.418.7274 or 202.418.0730.

60 days "With conditions"



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Term Dates  
From 05/25/2011 To 07/25/2011

Approved: Paul E Blais

**Harris Corporation**  
**Request for Special Temporary Authority**  
**2.4m C Band Temporary Transportable Earth Station**

Harris Corporation ("Harris") hereby requests Special Temporary Authority for a sixty day period beginning May 25, 2011 to deploy a 2.4m Flyaway C-Band terminal to a location in Hodgen, Oklahoma in order to support FAA Air Traffic Control operations.<sup>1</sup> The terminal will provide communications between aircraft in the area and the Memphis Air Route Traffic Control Center (ARTCC).

The existing FAA terrestrial communications are carried via a microwave network, which has recently experiencing disruptions caused by a series of severe weather related events in the area. Satellite technology was selected to provide temporary connections because the Hodgen, Oklahoma location is isolated and there are no other viable networks in the vicinity which could provide the necessary communications to promptly restore this disruption. Deployment of the 2.4m Flyaway C-Band terminal will allow critical air traffic communications to be uplinked via the Harris satellite network back to the Memphis ARTCC and the Air Traffic Controllers until the existing terrestrial system can be repaired and/or replaced.

Harris submits that a grant of this application will serve the public interest because it will assist the FAA's mission of ensuring flight safety.

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<sup>1</sup> *Harris Corporation, serves as the current FAA Telecommunications Infrastructure contractor (see attached letter).*

**2. Contact**

**Name:** George Y. Wheeler      **Phone Number:** 202-955-3000  
**Company:** Holland & Knight LLP      **Fax Number:** 202-955-5564  
**Street:** 2099 Pennsylvania Ave., NW      **E-Mail:** george.wheeler@hklaw.com  
Suite 100  
**City:** Washington      **State:** DC  
**Country:** USA      **Zipcode:** 20006 -6801  
**Attention:** George Y. Wheeler      **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

05/25/2011

7. City/HODGEN

8. Latitude  
(dd mm ss.s h)      34      40      49.37      N

9. State OK	10. Longitude (dd mm ss.s h) 94 36 32.42 W
11. Please supply any need attachments. Attachment 1: Request for STA Attachment 2: Rad Haz Attachment 3: Frequency Coord	
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.) Harris Corporation ('Harris') hereby requests Special Temporary Authority for a sixty day period beginning May 25, 2011 to deploy a 2.4m Flyaway C-Band terminal to a location in Hodgen, Oklahoma in order to support FAA Air Traffic Control operations. The terminal will provide communications between aircraft in the area and the Memphis Air Route Traffic	
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 &quot;party to the application&quot;; for these purposes. <input checked="" type="radio"/> Yes <input type="radio"/> No	
14. Name of Person Signing Jim Sheppard	15. Title of Person Signing Project Manager- FTI-SAT
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**

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