

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WD9XWC

(Call Sign)

0206-EX-ST-2009

(File Number)

NAME BAE Systems Controls Inc.

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:

The testing to be conducted pursuant to this STA Request involves the integration, verification, and validation of a new datalink for the Skyeye Unmanned Aircraft System.

Station Locations

- (1) MOBILE: Temporary Fixed Locations (Ground Based), Hansen Airfield, Adelanto, CA, within 0.5 km, centered around NL 34-38-17; WL 117-39-59
- (2) MOBILE: Temporary Fixed Locations (Ground Based), 9 miles East of Hansen Airfield, Adelanto, CA, within 1 km, centered around NL 34-40-23; WL 117-31-23
- (3) MOBILE: Airborne operations, Newberry Springs, CA, within 110 km, centered around NL 34-48-00; WL 116-45-00

Frequency Information

MOBILE: Temporary Fixed Locations (Ground Based), Hansen Airfield, Adelanto, CA, within 0.5 km, centered around NL 34-38-17; WL 117-39-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
122.7 MHz	MO	6K00A3E	42 W (ERP)	
122.8 MHz	MO	6K00A3E	42 W (ERP)	

This authorization effective June 15, 2009 and
will expire 3:00 A.M. EST December 16, 2009

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Temporary Fixed Locations (Ground Based), Hansen Airfield, Adelanto, CA, within 0.5 km, centered around NL 34-38-17; WL 117-39-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1433 MHz	MO	15M0G2D	53 W (ERP)	
5250-5475 MHz	MO	15M0G2D	70.5 W (ERP)	

MOBILE: Temporary Fixed Locations (Ground Based), 9 miles East of Hansen Airfield, Adelanto, CA, within 1 km, centered around NL 34-40-23; WL 117-31-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
122.7 MHz	MO	6K00A3E	42 W (ERP)	
122.8 MHz	MO	6K00A3E	42 W (ERP)	
1433 MHz	MO	15M0G2D	53 W (ERP)	
5250-5475 MHz	MO	15M0G2D	70.5 W (ERP)	

MOBILE: Airborne operations, Newberry Springs, CA, within 110 km, centered around NL 34-48-00; WL 116-45-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2010-2100 MHz	MO	17M0F8W	48.5 W (ERP)	

Frequency Information

MOBILE: Airborne operations, Newberry Springs, CA, within 110 km, centered around NL 34-48-00; WL 116-45-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5675-5850 MHz	MO	17M0F8W	48.5 W (ERP)	

Special Conditions:

- (1) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9247 North Meridian Street, Suite 305; Indianapolis, IN 46260; telephone, (866) 632-4222; FAX, (317) 846-9120; e-mail, executivedir@sbe.org; information, www.sbe.org.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (4) The designated point-of-contact to terminate transmissions if interference occurs is Mr. Keith Dock at (909) 957-0238.
- (5) Operation must get consent from present and future Advanced Wireless Services (AWS) licensees.
- (6) Licensee must NOTCH OUT the band +/- 2 MHz of the frequency M2034.2 to avoid the interference with GOES I&M satellite operations from Goldstone DSS, CA.
- (7) Operation the frequency 1433 MHz with bandwidth 15 MHz is subject to prior coordination with local Area Frequency Coordinator (AFC), who also coordinated it, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to such further coordination with the AFC, as necessary to ensure compatibility with existing uses.
- (8) Prior to any operations, licensee must coordinate with Western Area Frequency Coordinator at (760) 939-6948 for scheduling of spot frequencies and deconfliction.
- (9) Airborne operations must be reduced so operations are outside military restricted airspace.
- (10) Licensee agrees to accept any scheduled time provided and understands they are secondary to U.S. military war fighters, military ranges and DoD contractors.