

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

EXPERIMENTAL

(Nature of Service)

WF9XNP

(Call Sign)

XD MO

(Class of Station)

0215-EX-ST-2012

(File Number)

NAME Raytheon Network Centric Systems

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:

Raytheon Network Centric Systems (NCS) to demonstrate High Speed Data Gateway radio System for interoperability.

Station Locations

(1) MOBILE: Seal Beach, CA, within 100 km, centered around NL 33-44-34; WL 116-06-36

Frequency Information

MOBILE: Seal Beach, CA, within 100 km, centered around NL 33-44-34; WL 116-06-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
420-450 MHz	MO	1M20G2D	20 W (ERP)	

Special Conditions:

- (1) 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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.

This authorization effective April 09, 2012 and
will expire 3:00 A.M. EST October 09, 2012

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Special Conditions:

- (3) This system will not be in compliance with the US Allotment plan for the band 420-450 MHz which is used for radiolocation. This system should be built in a band allocated for fixed and mobile such as 225-399.9, 1350-1390, 2200-2290, or 4400-4940 MHz.
- (4) Raytheon must coordinate with the Western Area Frequency Coordinator (WAFC) at (760) 939-6948 prior to conducting the test and demonstration.