

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE**

EXPERIMENTAL

(Nature of Service)

WF2XVW

(Call Sign)

XC MO

(Class of Station)

0293-EX-PL-2011

(File Number)

NAME DRS ICAS, LLC

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(i) of the Commission's Rules

Station Locations

- (1) MOBILE: Cheektowaga, New York: (DRS Campus), within 50 km, centered around NL 42-56-42; WL 78-44-35

Frequency Information

MOBILE: Cheektowaga, New York: (DRS Campus), within 50 km, centered around NL 42-56-42; WL 78-44-35

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1030 MHz	MO	12M7P0D	450 W (ERP)	
1090 MHz	MO	12M7P0D	450 W (ERP)	

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (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.

This authorization effective January 26, 2012 and
will expire 3:00 A.M. EST November 29, 2013

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (4) 1. The NTIA and the FAA only supports this testing for foreign sales and domestic sales of this system are not allowed.
2. The NTIA and the FAA will not support further testing of this system without significant modifications to the way the interrogator operators.
3. Limit the interrogations to Modes 3/A and C (Modes 1, 2, 4, or 5 may not be used).
4. Limit the number of interrogations to a maximum of 30 per second.
5. Adjust the side lobe suppression (SLS) power levels to reduce the apparent beam width to 10 degrees.
6. Limit transmissions to the azimuths 275-360 and 0-85 degrees (this assumes a SLS beam width of 10 degrees so when the antenna is pointed at 275 degrees the beam will cover 270-280 degrees).
7. Limit the transmit power to only that necessary to achieve a -69 dBm signal level 15 km from the AN/TPX-57.

The NTIA and the FAA support are only for a single limited test effort and only because this test is to support a foreign customer. The FAA and NTIA cannot support the use of the AN/TPX-57 as configured by DS International in the United States. Major modifications to the way the AN/TPX-57 is employed would be necessary if DS International decides to seek a domestic market for their system.

- (5) Stop Buzzer: Mr. Dan Ehrenhalt, DRS Engineering - Cell 716-418-0182 or Mr. Keith Nunn, DRS Security - Cell 716-491-0837
- (6) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by USAF contract FA8615-11-C-6047. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.