

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

EXPERIMENTAL

(Nature of Service)

XD MO

(Class of Station)

WE9XQO

(Call Sign)

0604-EX-ST-2010

(File Number)

NAME DRS ICAS, LLC

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:

To design, development, and manufacture of avionics systems, flight safety products, tactical radios, communications equipment and intelligence systems.

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.

This authorization effective February 10, 2011 and
will expire 3:00 A.M. EST August 10, 2011

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COMMUNICATIONS
COMMISSION**



Special Conditions:

- (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)
 - 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