

**SUBJECT: FCC Experimental License Request for Raytheon SR1500
Short-Range Critical Infrastructure Protection (CIP)
Radar – FCC File Number 0619-EX-PL-2011**

Purpose of Operation: Raytheon Network Centric Systems (NCS) is developing and testing the SR1500 Short-Range CIP Radar for perimeter intrusion detection applications around critical infrastructure such as airports, seaports and utility plants. These radars are deployed along with electro-optical/infrared cameras to detect intruders along international borders and to provide surveillance around building and facility perimeters.

Explanation: The objective of this operation is to test and integrate low-power surveillance radars and electro-optical/infrared cameras at various fixed locations around critical infrastructure sites to provide level of surveillance coverage required for detection of moving objects. Microwave and Ethernet based networks are used to provide communication between control points and the various surveillance devices.

This operation was previously authorized by FCC grant of Special Temporary Authorization, Call Sign WE9XSQ, File Number 0430-EX-ST-2011.

The point of contact for interference matters is Mark Volpe at (727) 302-2772.