

## **Aurora Experimental License Authorization Request**

### **Purpose of Operation**

Raytheon Network Centric Systems (NCS) has been developing the Aurora and WIPN radios for U.S. Military customers. The Aurora and WIPN radios provide a Mobile Adhoc Network (MANET) data network capability able to provide effective throughput up to 11Mbps. Raytheon will use conduct experiments and demonstrations of evolving capability for increase network functionality for the warfighter.

- File Number: 0305-EX-PL-2011
- Class of Station: FX/MO
- Station Location Fort Wayne, IN
- Effective: 08/15/2011
- Expiration: 08/15/2013

### **Experimental Explanation**

To provide systems that combine innovative features such as Raytheon's RayMANET waveform, MIMO and MANET networking. This combination yields unmatched capability, performance, and long term reliability to exceed warfighter expectations for battlefield connectivity.