EXHIBIT I
DESCRIPTION OF EXPERIMENT

Harris Corporation ("Harris") hereby requests an FCC experimental authorization license to conduct experimental testing using the equipment identified herein operating in the 4.94-4.99 GHz band. Harris is currently conducting experimental tests of this equipment pursuant to an extension of Special Temporary Authority ("STA") granted on January 16, 2008 (Call Sign: WC9XZO; File No. 0019-EX-ST-2008). Pursuant to Section 5.61(b) of the FCC rules, 47 C.F.R. § 5.61(b), this application for permanent authorization is being filed within fifteen (15) days of the STA expiration date of March 1, 2008. Harris intends to continue the experimental testing as authorized by STA pending disposition of the permanent authority application.

The purpose for this experimental authorization license request is to provide application support and further testing for fielded equipment in connection with the development efforts pursuant to the United States Army for the Warfighter Information Network – Tactical ("WIN-T") and Future Combat Systems ("FCS") programs.

The continued testing as requested within this application will consist of 3 Highband Network Radio ("HNR") nodes, operating at the Harris facilities. Three HNR nodes will be at the Harris facility in Palm Bay, FL – two nodes will be fixed/base antennas, one node will be a High Mobility Multipurpose Wheeled Vehicle ("HMMWV") with an HNR mounted on an extendable (10 meter) mast.

Equipment used in this experiment will consist of the HNRv2 Highband Network Radio, manufactured by Harris. The HNRv2 is comprised of four elements: 1) the Baseband Processing Unit; 2) the Highband RF Unit ("HRFU") (consisting of an upconverter, a High-Powered Amplifier ("HPA"), a Switched Beam Antenna ("SBA"), a Low-Noise Amplifier ("LNA"), and a downconverter); 3) an Inertial Navigation Unit ("INU"); and 4) a GPS device. The INU and GPS will be used only at the mobile node.

Contribution to radio technology includes delivering a mobile ad-hoc network to the U.S. Armed Forces. This mobile ad-hoc networking capability will greatly increase the functionality of the military by providing true Networked Communications On The Move to facilitate the timely availability of sophisticated Situational Awareness to the commanders as well as individual ground troops.

Harris acknowledges that its operations will be on a non-interference basis.

Because the equipment is technically incapable of providing station identification, Harris respectfully requests a waiver of the station identification provisions of Section 5.115 of the Commission's rules, 47 C.F.R. § 5.115.

All network traffic will be simulated traffic only, solely for evaluation purposes and not for the purpose of providing network data communications services to user stations.

Harris submits that a grant of this application is necessary and in the public interest because it will advance national security efforts.