

**HARRIS CORPORATION
EXPERIMENTAL STA APPLICATION
FILE NO. 0535-EX-ST-2010
NOVEMBER 2010**

**DESCRIPTION OF EXPERIMENT
& REQUEST FOR EXPEDITED PROCESSING**

**EXHIBIT I
DESCRIPTION OF EXPERIMENT**

Consolidated Response to Questions 4 and 5.

Harris Corporation ("Harris") hereby requests Special Temporary Authority ("STA") to conduct the experimental testing identified herein to perform testing in conjunction with the United States Air Force ("USAF") in support of the USAF Tactical Air Control Party Modernization ("TACP-M") program.¹ As is further explained below, the testing requested herein will allow the USAF to determine how to proceed with operation and utilization of the TACP-M program in the Afghanistan theater of operations. Accordingly, attached hereto please find a request for Expedited Processing requesting grant of this STA by November 30, 2010.

Harris has been asked by the USAF for assistance in developing and executing a test plan relating to the TACP-M system. Testing is scheduled to begin November 30, 2010 and is expected to conclude within 30 days from the start date. Given the possibility of unforeseen delays, Harris is hereby requesting STA through February 1, 2011 to conduct the requested testing. The testing will utilize one fixed node and two mobile nodes operating at Nellis Air Force Base in Las Vegas, Nevada. The testing will utilize three Harris MIL-Type PRC-150 Portable HF transceivers with a maximum ERP of 10.0 Watts. The mobile nodes will operate at the same power and have the same emission characteristics as the base station.

While the USAF has use of the necessary frequency ranges in the Afghanistan theater of operations, they have been unable to secure the necessary frequency ranges to conduct TACP-M testing in CONUS. The experimental testing proposed herein will allow the USAF to determine how to proceed with operations in the theater of Afghanistan. Given the projected propagation conditions, analysis demonstrates that Harris will have difficulty in completing the required testing without the use of the frequencies requested herein.

Harris acknowledges that all experimental operations conducted in the requested bands will be on a non-interference basis. However, to the extent necessary, Harris will utilize its best efforts to avoid and minimize interference. 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.

¹ For information on TACP, see: <http://www.afsoc.af.mil/specialtactics/tacp/index.asp>

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.

Harris submits that a grant of this STA request is necessary and in the public interest because it will advance national security efforts by allowing the USAF to determine how to proceed with operation and utilization of the TACP-M program in the Afghanistan theater of operations. More specifically, the proposed testing to be done stateside will have direct operational implications for US troops operating in the battlefields of Afghanistan.

The **stop buzzer contacts** for this project are James Lill of Harris, mobile: (585)-233-5781, e-mail: JLill@harris.com or Stephan Sykes, mobile (585)402-3466.

Request for Expedited Processing, File No. 0535-EX-ST-2010

Harris Corporation hereby requests that the above-captioned application be processed on an expedited basis. As previously noted, the requested experimental TACP-M testing is scheduled to begin November 30, 2010, and will allow the USAF to determine how to proceed with operation and utilization of the TACP-M program in the Afghanistan theater of operations. Because the result of the proposed testing has direct implications on military operations within Afghanistan, and ultimately involve the safety and security of US military and allied forces soldiers, expedited processing of the this request is a matter of serious national security.