

**HARRIS CORPORATION  
EXPERIMENTAL SPECIAL TEMPORARY  
AUTHORITY APPLICATION  
FILE NO. 0469-EX-ST-2010  
SEPTEMBER 2010**

**EXHIBIT I**  
**DESCRIPTION OF EXPERIMENT and EXPEDITED PROCESSING REQUEST**

Consolidated Response to Questions 4 and 5.

Harris Corporation ("Harris") hereby requests Special Temporary Authority ("STA") to conduct experimental testing at the LTA System Integration Lab located in Akron, Ohio for the period beginning September 27, 2010 through October 1, 2010. The testing requested herein is necessary to further the Warfighter Information Network-Tactical ("WIN-T") development efforts with the United States Army. Given the extremely short timetable provided to allow the testing requested herein, Harris hereby requests expedited processing of this request.

The nature of the testing is to integrate the Highband Network Radio ("HNR") system utilized in the WIN-T architecture into the Persistent Threat Detection Systems ("PTDS") payload. Over-the-air testing is required to verify the HNR integration and operation with the Inertial Navigation System and Command and Control System of the PTDS. Other mechanical installations will be checked at the same time. The PTDS System Integration Lab located in Akron, OH is available for the week of Sept 27 – Oct 1 for the integration. As of now, the PTDS and HNR hardware is due to ship on October 14 to Yuma, AZ for installation and testing prior to a customer demonstration beginning October 27 for the U.S. Army's 101<sup>st</sup> Airborne Division.

Harris acknowledges that 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 STA is necessary and in the public interest because it will advance national security efforts. For the reasons noted above, in particular the short window of availability of the System Integration Lab, expedited processing of this request is requested.

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