

HARRIS CORPORATION
EXPERIMENTAL SPECIAL TEMPORARY
AUTHORITY APPLICATION
7 GHz EXPERIMENT
HUNTSVILLE, ALABAMA
AUGUST 2004

DESCRIPTION OF EXPERIMENT

Response to Question 4.

Harris Corporation (Harris) is requesting Special Temporary Authority (STA) to permit operation of the equipment specified in section 8 of this application. At the conclusion of the experimental tests contemplated herein, the equipment is intended to be used by the United States Air Force ("USAF") at Minuteman Weapon System launch facilities located in Montana, North Dakota and Wyoming.

The USAF recently identified a series of improvements to the Minuteman security system, including the addition of Remote Visual Assessment ("RVA") capabilities at its launch facilities. The goal of the RVA program is to help the USAF directly assess potential launch facility intruder activity. RVA data will be transmitted to monitoring points at the support base and/or the Missile Alert Facility.

This STA is necessary in order to test the experimental capabilities of RVA equipment designed by Harris for operation by the USAF at its Minuteman launch facilities.

Harris recognizes that the timeframe for the requested experiment is fast approaching, and respectfully requests expedited treatment of this application. Harris does not routinely request expedited treatment, but does so here owing to contractual obligations with the USAF. Harris submits that expedited treatment in this instance is necessary in the public interest of securing the nation's nuclear launch facilities.

Response to Question 5.

Harris intends to test its fixed RVA equipment's capabilities in the 7526-7687 MHz band on an experimental basis at powers that exceed Part 15 maximum power limitations. Harris will coordinate as necessary with existing users of this band, including military space radio communication systems and meteorological-satellite installations. It is proposed that the equipment testing will take place at a military installation in Huntsville, Alabama, as described in more detail in the Antenna Section of this Application.