



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
UNITED STATES ARMY TANK-AUTOMOTIVE AND ARMAMENTS COMMAND
WARREN, MICHIGAN 48397-5000

21 August 2002

MEMORANDUM FOR FCC Office of Engineering and Technology Experimental Licensing Branch

FROM: U. S. Army Tank-automotive and Armaments Command (TACOM)
AMSTA-TR-R (MS 264 Kowachek)
Warren, MI 48397-5000

SUBJECT: Request for FCC Experimental Frequency Waiver

1. The Vetronics Technology Integration (VTI) contract DAAE07-01-L089 is intended to integrate technologies, leveraged from Army and the Commercial sector developments, into C-130 transportable vehicle platforms and to support demonstrations of these systems during field tests. These platforms will be used for advanced technology demonstrations of the Crew-integration and Automation Testbed (CAT-ATD) and Robotic Follower (RF-ATD) programs as a step toward transition to the Future Combat System (FCS). A summary of the Crew integration and Automation Testbed (CAT) and Robotic Follower (RF) Advanced Technology Demonstration Programs (ATDs) is provided.

CAT ATD description: The CAT will be a two-soldier crew, multi-mission capable system allowing the crew to effectively perform shoot, scout and carrier missions while coordinating and controlling unmanned ground and air systems, including the RF vehicle. The CAT will consist of two identical advanced-technology crew stations, each capable of operating all vehicle systems to provide redundancy and backup operations. The two advanced-technology crew stations will also have a virtual mode that provides the crew with embedded training and embedded mission rehearsal.

RF ATD description: The RF will consist of a manned lead vehicle (CAT) and a follower vehicle (RF) that is capable of autonomously following the lead vehicle, both on-road and off-road, at specified distances and/or time delay behind the lead vehicle.

2. The government point of contact for this activity is Mr. David Kowachek, (586) 574-8530, FAX (586) 574-8684, email kowached@tacom.army.mil.

DAVID V. KOWACHEK
Contracting Officers Technical Representative COTR,
Vetronics Technology Integration Contract

