

FCC FORM 442 - FEDERAL COMMUNICATIONS COMMISSION
APPLICATION FOR NEW OR MODIFIED RADIO STATION UNDER PART 5 OF FCC
RULES - EXPERIMENTAL RADIO SERVICE (OTHER THAN BROADCAST)

EXHIBIT A: GOVERNMENT CONTRACT

Is this authorization to be used for fulfilling the requirement of a government contract with an agency of the United States Government? If “YES”, include as an exhibit a narrative statement describing the government project, agency and contract number.

Government Contract:

Contract DAAB07-03-D-B009, Task Order 0275 (between Government and Lockheed Martin)
Value Contract 46030219, P.O. 7100027648 (between LM and L-3 CSE)

Task Order Title: DEVELOPMENT OF A MODERNIZED BATTLEFIELD
ANTI-INTRUSION SYSTEM (AN/PRS-9x)

Scope Description:

The Army has identified a requirement to provide a Battlefield Anti-Intrusion System (BAIS), a lightweight, man-portable, easily emplaced and recoverable sensor warning system. The Product Manager for Force Protection Systems (PM-FPS) is the assigned material developer and is currently managing the base-lined BAIS system, designated AN/PRS-9 which is currently being produced by L-3 CSE and fielded through PM-FPS. In parallel, PM-FPS has initiated a BAIS Modernization program to upgrade the current system to meet as many Operational Requirements Document objective level requirements as possible. An initial phase of the modernization efforts addressed shortcomings of the base-lined system in the areas of ESD/EME performance of the Hand Held Monitor (HHM) as well as a reduction in system weight by reducing the size and weight of both the component and system pouches. The main goal of the BAIS Modernization program is the development of a Hand Held Monitor/Transmitter (HHM/T) and Sensor/Transceiver to introduce two-way communications into the BAIS system while maintaining backward compatibility with the baseline BAIS system and legacy unmanned ground sensor systems. This Performance Work Statement includes the scope to complete the development of the entire modernized BAIS system, designated the BAIS, AN/PRS-9x system, to ready for production, develop ILS documentation, and to conduct Product Verification Testing (PVT).

This authorization will apply to an updated radio design developed to fulfill the following key BAIS Modernization requirements.

1. The BAIS, AN/PRS-9x shall provide the capability of half duplex two-way communications between the HHM/T and the Sensor/Transceivers.
2. The BAIS, AN/PRS-9x Sensor/Transceivers shall be capable of operating as a radio repeater to extend the RF range of the system.

3. The BAIS, AN/PRS-9x Radio Frequencies shall be selectable and programmable by the operator.
4. The BAIS, AN/PRS-9x HHM/T shall be capable of receiving and displaying all sensor messages, alarms or data when located at least two (2) kilometers from the Sensor/Transceivers in open and rolling terrain with Radio Line-of Sight.
5. The HHM/T shall be capable of receiving and displaying alarm information from the following unmanned ground sensor systems:
 - a. Remotely Monitored Battlefield Sensor System (REMBASS);
 - b. Improved Remotely Monitored Battlefield Sensor System (IREMBASS);
 - c. Remotely Monitored Battlefield Sensor System - II (REMBASS-II);
 - d. Battlefield Anti-Intrusion System (BAIS)
 - e. Tactical Remote Security System (TRSS).
6. The Sensor/Transceiver shall be capable of sending alarm information to the following unmanned ground sensor systems:
 - a. Remotely Monitored Battlefield Sensor System (REMBASS);
 - b. Improved Remotely Monitored Battlefield Sensor System (IREMBASS);
 - c. Remotely Monitored Battlefield Sensor System - II (REMBASS-II);
 - d. Battlefield Anti-Intrusion System (BAIS)
 - e. Tactical Remote Security System (TRSS).

This authorization will also be used to support production testing of the BAIS, AN/PRS-9x System on future production contracts and government demonstrations.