NFORMATION PAPER

ON

A-10 AN/ALR-69 ANTENNA REPLACEMENT

1. Background. The current A-10 AN/ALR-69 radar warning receiver (RWR) has significant sensitivity loss because the antenna output is split between two receivers: the crystal video receiver (CVR) and the frequency select receiver system (FSRS). This results in late/inaccurate threat warning and puts pilots unnecessarily at risk. BAE Systems has developed a new antenna that consists of two antenna elements in the same physical housing as the existing A-10 antenna (single element). The new antennas will have one output wired to the CVR and one output wired to the FSRS, dramatically increasing sensitivity and threat detection range.

2. Requirement. CAF Operational Requirement Document CAF 401-91 I/II/III – D (Rev 1) for A-10.

3. Impacts If Not Funded. A-10s equipped with current antennas will continue to have late/inaccurate warning of modern air-to-air and surface-to-air threats which puts pilots at increased risk during combat or contingency operations.

4. Units Impacted.

103 FW Bradley, CT	104 FW Barnes, MA	110 FW Battle Creek, MI
111 FW Willow Grove, PA	124 WG Boise, ID	175 WG Baltimore, MD

5. Contractor. BAE Systems, Lansdale, PA

6. Cost.

Units Required	Unit Cost	Program Cost*
102 (3840)	**$39,075**	**$3,985,744**

*Includes 10% spares