

INFORMATION PAPER

ON

MISSILE APPROACH WARNING SYSTEM

1. Background. The A/OA-10 flies many of its missions at altitudes where it is particularly vulnerable to shoulder launched Infrared (IR) Surface-to-Air Missiles (SAM). The aircraft needs a missile warning system that notifies the pilot when a SAM is launched. Addition, the system should automatically dispense counter-measures. The AN/AAR-47 is a passive, missile-approach warning system that when installed on the A-10 consists of four IR sensor assemblies, a central processing unit and a control indicator. The AAR-47 is capable of detecting missile launches from 360 degrees around the aircraft.

2. Requirement. CAF 315-92-I/II/III Interim Close Air Support/ Interdiction and Covert Infrared Countermeasures (IRCM) Combat Mission Need Statement (Nov 01).

3. Impacts if Not Funded. The A-10 will continue to be vulnerable to IR launched missile threats, as the shoulder launched IR threat continues to proliferate.

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
188 FW Ft Smith, AR		

5. Contractor. ATK Clearwater FL

6. Cost.

Units Required	Unit Cost*	Program Cost
112 (3010)	\$90K	\$10.08M

*Cost includes aircraft installation and 10% spares