INFORMATION PAPER

ON

MULTI-FUNCTION COLOR DISPLAY (MFCD)

1. Background. Replacing the cockpit TV-Monitor with a "smart" Multi Function Color Display (MFCD) (a display with its own processor) will provide better targeting pod resolution, a moving map, and eliminate the need to modify the aircraft pylon for targeting pod use. In addition, the MFCD has appropriate software to process and display data link information, and provide a better mechanization for targeting pod employment. This modification will provide an interim, improved combat capability for those ANG units that are to be Precision Engagement (PE) modified in FY08/09.

2. Requirement. (ORD) CAF 401-91-I/II/III-D for A/OA-10A AIRCRAFT dated 19 Oct 1999. CAF Operational Requirements Document.

3. Impacts if Not Funded. There is no way to display tactical data link information without the MFCD. A-10s not modified with a MFCD will continue to be hampered with an awkward method of employing the targeting pod.

4. ANG 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. Contractors. Raytheon Technical Services LLC Indianapolis IN

6. Cost.

Units Required	Unit Cost	Program Cost*
56 (3010)	**$112K**	**$6.25M**

*Cost includes 10% spares for 51 aircraft, installation, and TOs

INFORMATION PAPER

ON

SMART MULTI-FUNCTION COLOR DISPLAY (SMFCD)

1. Background. The increasing volume of data flow necessitates that HH-60G aircrew have the ability to process, filter, sort and display information from various entities in such a way that enables a high degree of battle space situational awareness. A Smart Multi Function Color Display with its additional data processing power will enable pilots to cleanly display and manipulate current data streams using a single color display screen for each pilot. This SMFCD will allow HH-60G aircrew to display current Forward Looking Infrared (FLIR) picture and aircraft flight instrument data along with an integrated moving map display eliminating the need for a separate pen tablet computer to display aircraft position. The additional value of the SMFCD lies in its ability to harness the capability of future aircraft modifications such as Situational Awareness Data Link (SADL), LARS V12 and the Intelligence Broadcast Receiver.

2. Requirement. AFSOC Approved 1067 Aircraft Modification

3. Impact If Not Funded. The HH-60G will continue to use unreliable, non-integrated carry-on pen tablet computers to process and display critical mission information with no ability to capture and harness threat, intelligence and survivor information gained from future aircraft modifications.

4. Units Impacted.
106 RQW   Gabreski Field, NY
129 RQW   Moffett Federal Airfield, CA
176 WG   Kulis ANGB, AK

5. Contractor. Raytheon, Fort Wayne, IN

6. Cost.

Units Required*	Unit Cost	Program Cost
40 SMFCD (3010)	**$88K**	**$3.52M**
Integration/Testing/T.O.s (3600)	**-**	**$1.90M**
Total Program		**$5.42M**

* Includes 10% Spares