



M1A1 Firepower Enhancement Program



ENHANCEMENT:

Improved image signal processing for Second Generation thermal imaging systems and improved high performance uncooled FLIR sensor to increase to the acquisition range and overmatch capability for USMC combat vehicles under all battlefield conditions.

CAPABILITIES:

- Improved recognition/identification at extended ranges.
- Improved performance over all operating conditions.
- Improved situational awareness
- Reduced operator fatigue/strain
- Fratricide reduction.

SUPPORTS: MNS 96170DA/ORD 93295DB

TECHNICAL APPROACH:

- Develop signal processing enhancements
- Develop High Performance, Low Cost Uncooled FLIR:
- Develop Improved Far Target Location
- Develop Extended Range Performance and Detection of Camouflaged and Hidden Targets

SCHEDULE:

	FY-02	FY-03	FY-04	FY-05
• Enhanced Electro-Optic Signal Processing				
• Improved Electronic Zoom/Local Area Processing	█	█		
• Electronic Image Stabilization		█	█	
• High Performance, Low Cost Uncooled FLIR:				
• FOV vs Resolution/Design Hardware	█	█		
• Prototypes		█	█	
• Improved Far Target Location			█	█
• Extended Range Performance and Detection of Camouflaged and Hidden Targets			█	█