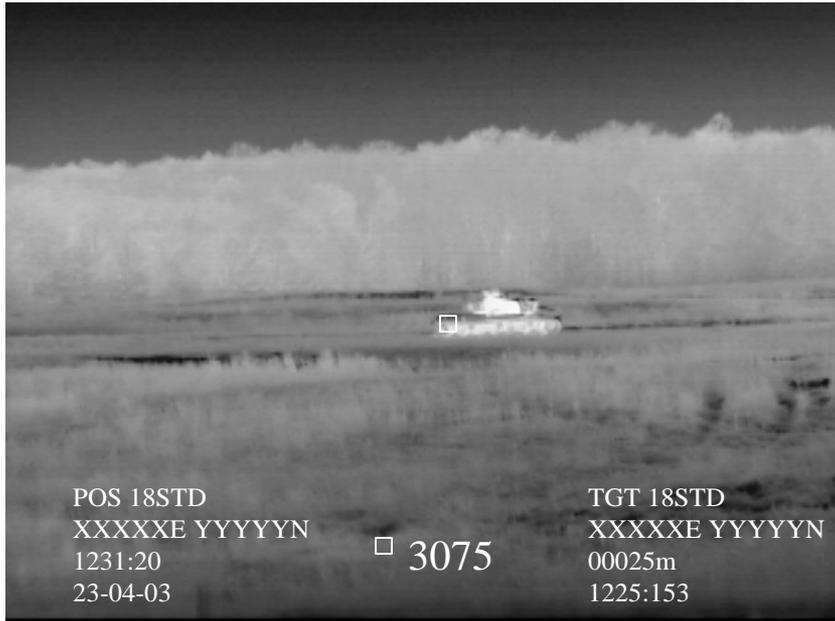




M1A1 Firepower Enhancement Program: Improved Far Target Location Performance



OBJECTIVE:

- Improve the heading accuracy of the M1A1 Firepower Enhancement Program (FEP) Far Target Location (FTL) system
 - Improve heading accuracy to 2 mils (current heading accuracy is 5 mils)
- The improved heading accuracy will enable the FEP system to provide very accurate target grid information
 - The objective requirement is 50 meters or less Circular Error Probable (CEP). The improved accuracy of the FTL system will achieve 25m or less

PAYOFF

- Extremely accurate and more lethal call for fire
- Reduced need to adjust fire (more efficient use of ammo)
- Reduced Fratricide

TECHNICAL APPROACH:

- Improve the performance of the North Finding Module specifically in the areas of:
 - Bearing Striction & Tolerance
 - Gyros Alignments & Enhancements
 - Structural Enhancements
 - Mounting Concepts

PERFORMERS: Smiths Industries, Raytheon/DRS

27 May 03

SCHEDULE:

TASKS	FY04	FY05	FY06	FY07
INVESTIGATION	△ △			
EXPERIMENTATION	△ △	△		
GOVT TESTING/DEMO		△ △		
TRANSITION(S) TO PM		△		

TRANSITION: MARCORSSCOM, PM Tanks