

USMC LIGHT ARMORED VEHICLE (LAV)

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USMC LAV LESSONS LEARNED OPERATION IRAQI FREEDOM

- **Zero combat vehicle losses**
 - **Solid tactical use**
- **Readiness above 90%**
 - **Use of excess M901 Army turrets**
 - **Long term maintenance problems resolved**

USMC LAV LESSONS LEARNED OPERATION IRAQI FREEDOM

- **Last minute fielding of SA systems**
 - **Ad-hoc placement on vehicles**
 - **Little training**
 - **Excessive battery draw**

- **Long range comm was weak**
 - **HF (PRC 104) radio is obsolete**
 - **No SATCOM on the move**

LAV-SERVICE LIFE EXTENSION PROGRAM (SLEP)

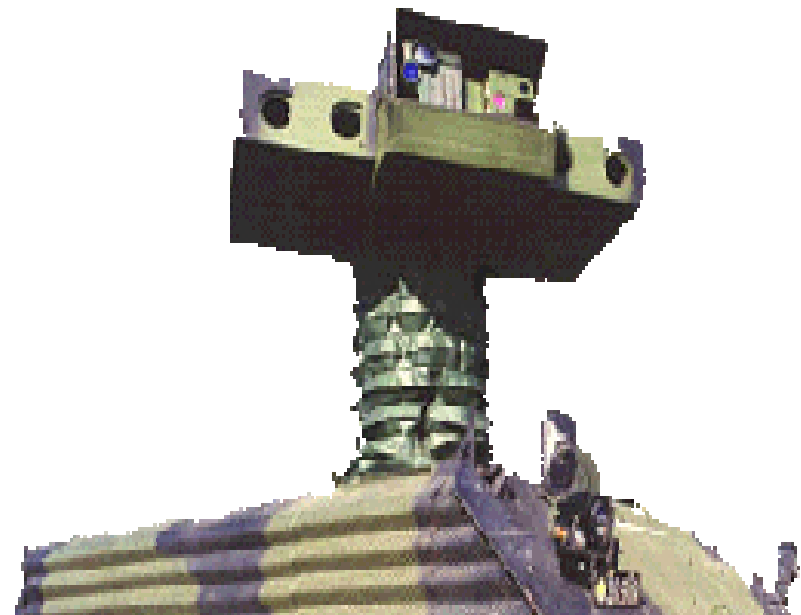
- **Basic SLEP:**
Thermal treatments,
safety upgrades,
maintainability
upgrades, electrical
system upgrades,
and corrosion
control initiatives.
- **Metric Systems
Corporation**
- **Fielding is currently
underway and will
be complete Nov 06**

LAV-IMPROVED THERMAL SIGHT SYSTEM (ITSS)

- **ITSS: Replaces LAV-25 thermal sight system with Generation II thermal sight with a fire control computer, an integrated laser range finder, and a far target location capability.**
- **Raytheon**
- **Commonality with M1A1 FEP**
- **Developmental Testing in Oct 03**
- **First unit installation in Nov 05**

LAV-AT

- **Current LAV-AT with M901 turret is slow and difficult to maintain**
- **Goal: A system capable of firing TOW and the TOW follow on missile, an improved thermal sight and more rapid target engagements**



LAV-MORTAR

- **Current 81mm mortar lacks range and punch**
- **Goals: Increased range, accuracy, and flexibility in rounds**
- **Seeking a common material solution with USMC Expeditionary Fire Support System**



LAV-COMMAND AND CONTROL

- **Current LAV-C2 cannot integrate digital battlefield information systems**
- **Goals: Integrate fire support, operations, and intelligence communications and other data through a suite of flexible, user friendly stations**
- **SATCOM on the move**
- **Naval Research Lab Project**



LAV LETHALITY UPGRADE

- **Current 25mm gun lacks penetration power and range vs threat armored reconnaissance platforms**
- **Mission Role Variants lack flexibility in weapons mount.**
- **Goals: Increased range, penetration and improved stabilization for main gun.**
- **Weapon mount on mission role variants capable of mounting medium and heavy machine guns**



U.S. MARINE CORPS

