Section 7.6 PEO LS Program

JOINT LIGHT TACTICAL VEHICLE

OshKosh JLTV

Program Background

The Joint Light Tactical Vehicle (JLTV) is an ACAT ID Army-Marine Corps defense acquisition program that addresses a new generation tactical wheeled vehicle to replace a portion of the services' High Mobility Multipurpose Wheeled Vehicle (HMMWV) fleet. The program's goal is to develop a new family of multi-mission light tactical vehicles with superior crew protection and performance compared to the current HMMWV fleet. The JLTV family of vehicles will balance critical weight and transportability constraints against performance, protection, and payload requirements, while ensuring an affordable solution for the Army and Marine Corps.

The development of the JLTV reinforces the services' approach to interoperable platforms that provide expeditionary and protected maneuver capabilities to forces that HMMWVs currently support. The JLTV will also improve payload efficiency through state-of-the-art chassis engineering, enabling the vehicles to be deployed with the appropriate level of force protection through the use of scalable armor solutions. Expected JLTV fleet reliability and fuel efficiency targets will be significantly greater than the current HMMWV fleet, providing millions of dollars in savings over the JLTV's life cycle.

Program Status

The JLTV program is currently in the Production and Deployment Phase. On 25 August, 2015 the Milestone Decision Authority for JLTV, Mr.

Frank Kendall, signed the acquisition decision memorandum (ADM) authorizing the program to proceed beyond MS "C" into low-rate initial production. A Low-Rate Initial Production (LRIP) contract was awarded to Oshkosh Defense that same day. The first test vehicle is scheduled to be delivered during 3rd quarter FY16. The program is currently on schedule for its Initial Operational Capability (IOC) in the 4th quarter of FY18. The Marine Corps' approved acquisition objective (AAO) is for 5,500 JLTVs, while the Army will procure 49,099 vehicles. The Marine Corps will reach Full Operational Capability (FOC) in 2021.

JLTV's Top Technical Issues:

1. Weight/Armor

The JLTV design must meet competing requirements for a balanced solution of protection, payload, and performance. Although the JLTV armor system meets the functional requirements, it will continue to require improvement in weight reduction to accommodate future integration programs. Therefore, add-on armor solutions that can reduce vehicle weight, but still meet the force protection requirements are critical to the future success of the JLTV program. Lower weight, affordable, and transparent armor and EFP kit solutions are also needed. Because of stringent affordability constraints on the program, improved armor systems must be in the price range of current JLTV armor solutions.

2. Corrosion Resistance

The JLTV will be stored and maintained for long durations in pre-positioned stocks ashore and at sea, in outdoor motor pools, and in other areas where it will be exposed to salt air, rain, snow, heat, cold, and other corrosive environments. State-of-the-art corrosion-resistant technologies are sought, which will reduce total ownership costs and provide a significant increase in equipment readiness.

3. JLTV-Close Combat Weapons Carrier (CCWC) Missile Reloading Improvement

The JLTV-CCWC is the mission package configuration for employment of the TOW/SABER. The system design includes a securable rear cargo box capable of accommodating TOW/SABER weapon system components, missiles, and loading/reloading capabilities in accordance with the JLTV system specifications. The program seeks system solutions that will continue to improve the CCWC loading/reloading capabilities to enhance the Warfighter's ability to employ, engage, and redeploy the TOW/SABER system.

C G S G P G

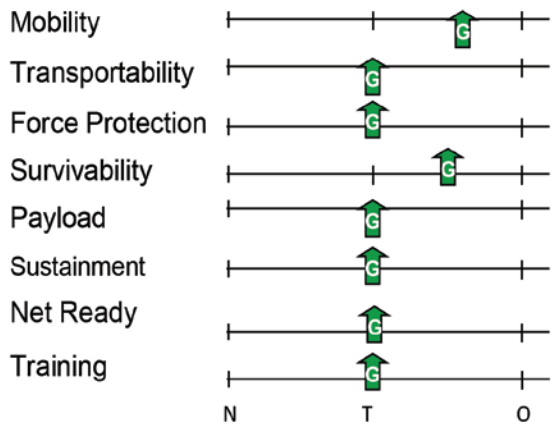
JLTV

ACAT I D / LRIP

MS C = 25 Aug 15 **AAO** = 5,500
IOC = Dec 19 (O)/Jun 20(T)

Description: JLTV is a family of light tactical vehicles developed for combat mission roles. JLTV delivers increased survivability, mobility, payload and reliability over the current family of HMMWVs. JLTV design provides a high level of scalable protection, improved sustainment, and net-ready maneuver platforms which are tactically mobile across all terrain.

JAN 2016



*Based on estimated and calculated values
N – no capability **T** – Threshold **O** - Objective

Contracts Data
Firm Fixed Price
Contractor: OshKosh

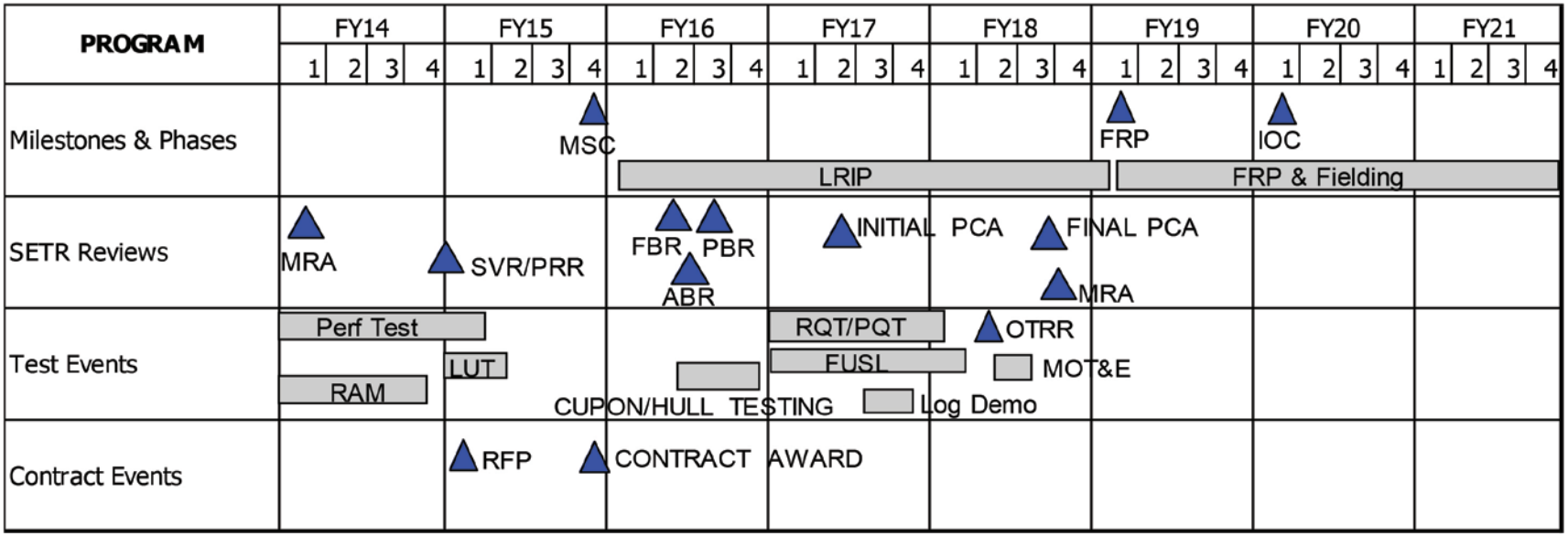
Start – Complete: Aug 15 – Sep 22

Next Contract: TBD; Contract awarded 25 Aug 15

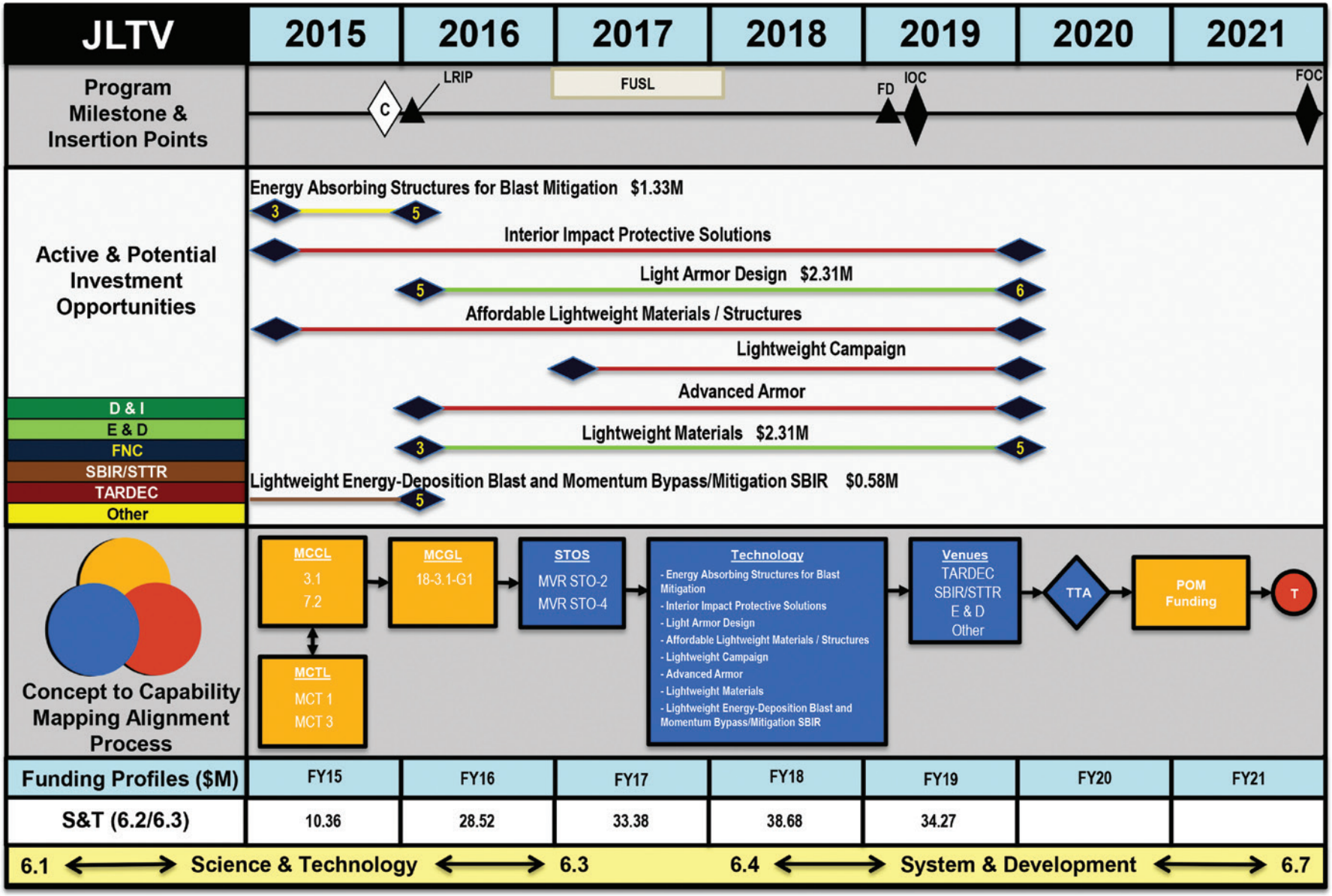
DCMA = G

Lockheed Martin (LM) protest to GAO stopped work for 97 days. Protest dismissed by GAO when LM signaled intent to engage with Court of Federal Claims (CoFC). CoFC review is under way. Schedule reflects impact of 97 day slip due to stop-work.

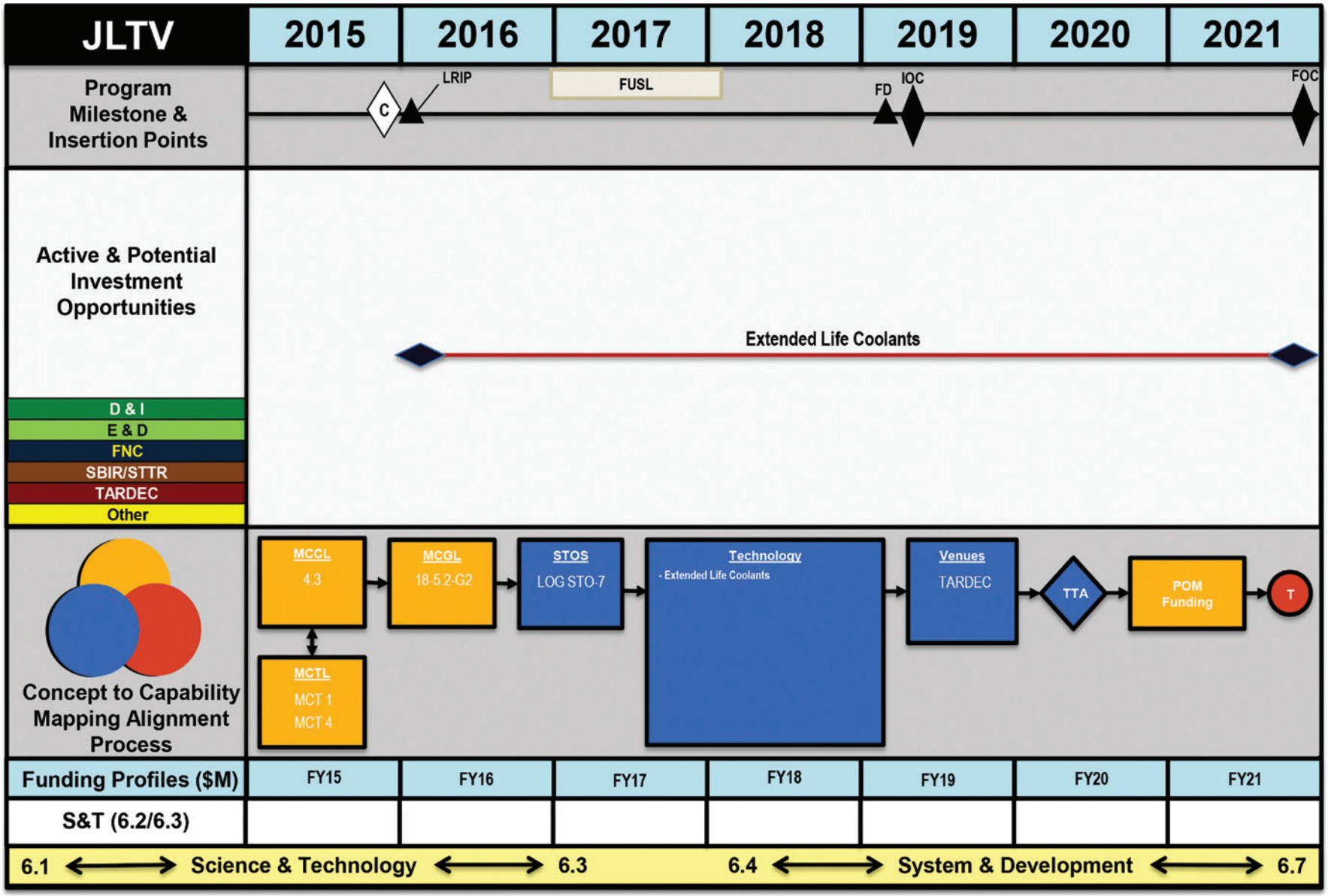
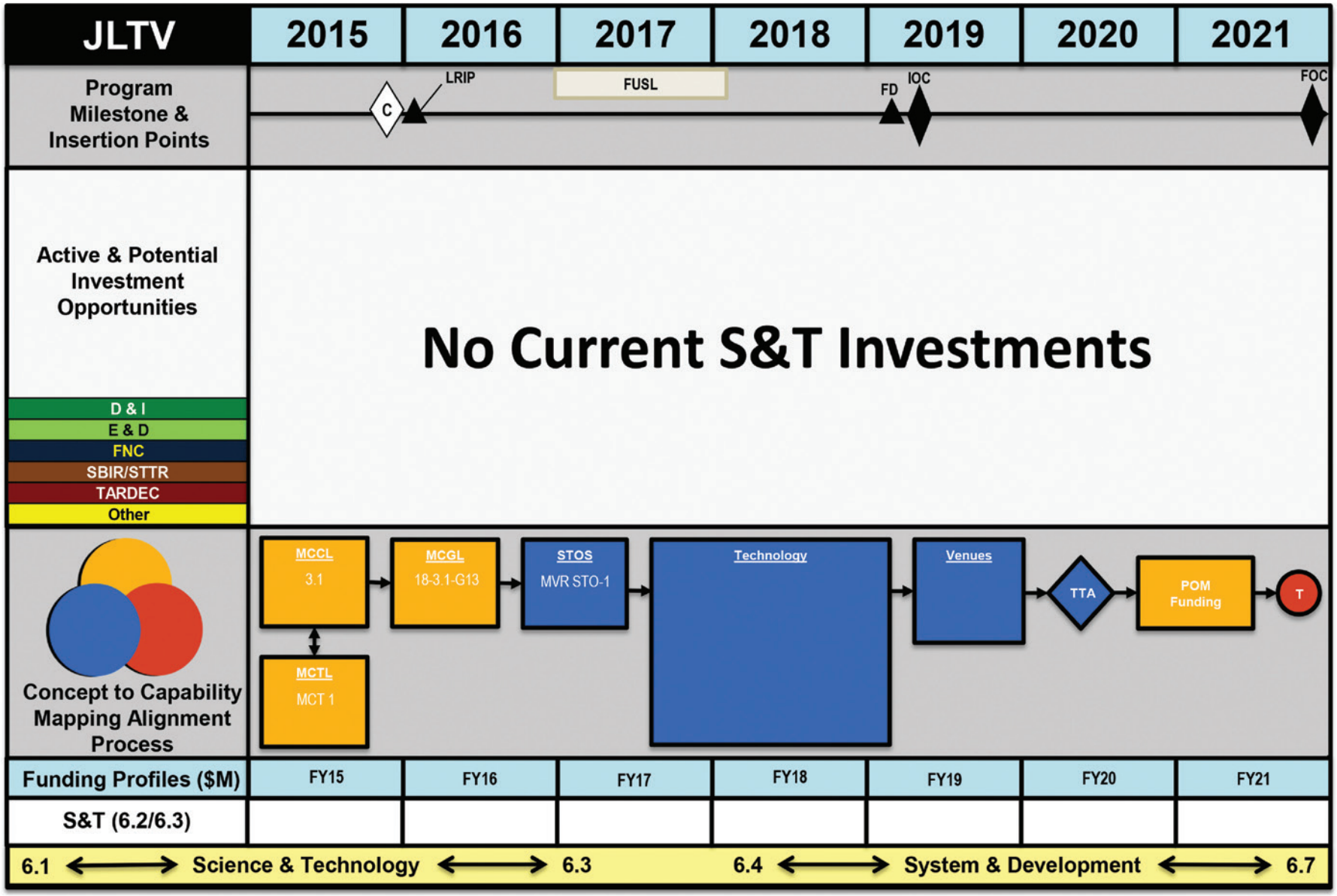
Photos: USMC/USA EMD representative vehicles



JLTV Technical Issue #1 Weight/Armor



JLTV Technical Issue #2 Corrosion Resistance



JLTV Technical Issue #3 JLTV-CCWC Missile Reloading Improvements