EXPEDITIONARY FIGHTING VEHICLE (EFV)

Program Brief 9 Nov 2010

EFV MISSION

Provide High Speed Transport of Embarked Marine Infantry From Ships Located Beyond the Horizon to Inland Objectives

Provide Armor Protected Land Mobility and Direct Fire Support During Combat Operations

EFV

MISSION ESSENTIAL FUNCTIONS

Move (Land)

Move (Water)

Shoot

Communicate

Carry

Protect

PROGRAM STATUS

KEY PERFORMANCE PARAMETERS

CRITERIA	THRESHOLD	OBJECTIVE
High Water Speed - 2'significant wave height, for not less than 1 continuous hour	20 knots	25 knots
Land Speed - Forward speed on hard surface road	69 kph	72 kph
Firepower - Maximum effective range Interoperability/standard ammunition with other service(s)	1500m	2000m
Armor Protection - Any azimuth	14.5mm/300m	30mm/1000m
Reliability - Mean Time Between Operational Mission Failure	43.5 hrs	56 hrs
Carrying Capacity	17 Marines	18 Marines
Net Ready * Compliance based on IA, GIG-KIPs, & SDE testing	100% of designated enterprise-level or critical interfaces & services	100% of all enterprise-level & critical interfaces & services

Currently Demonstrated

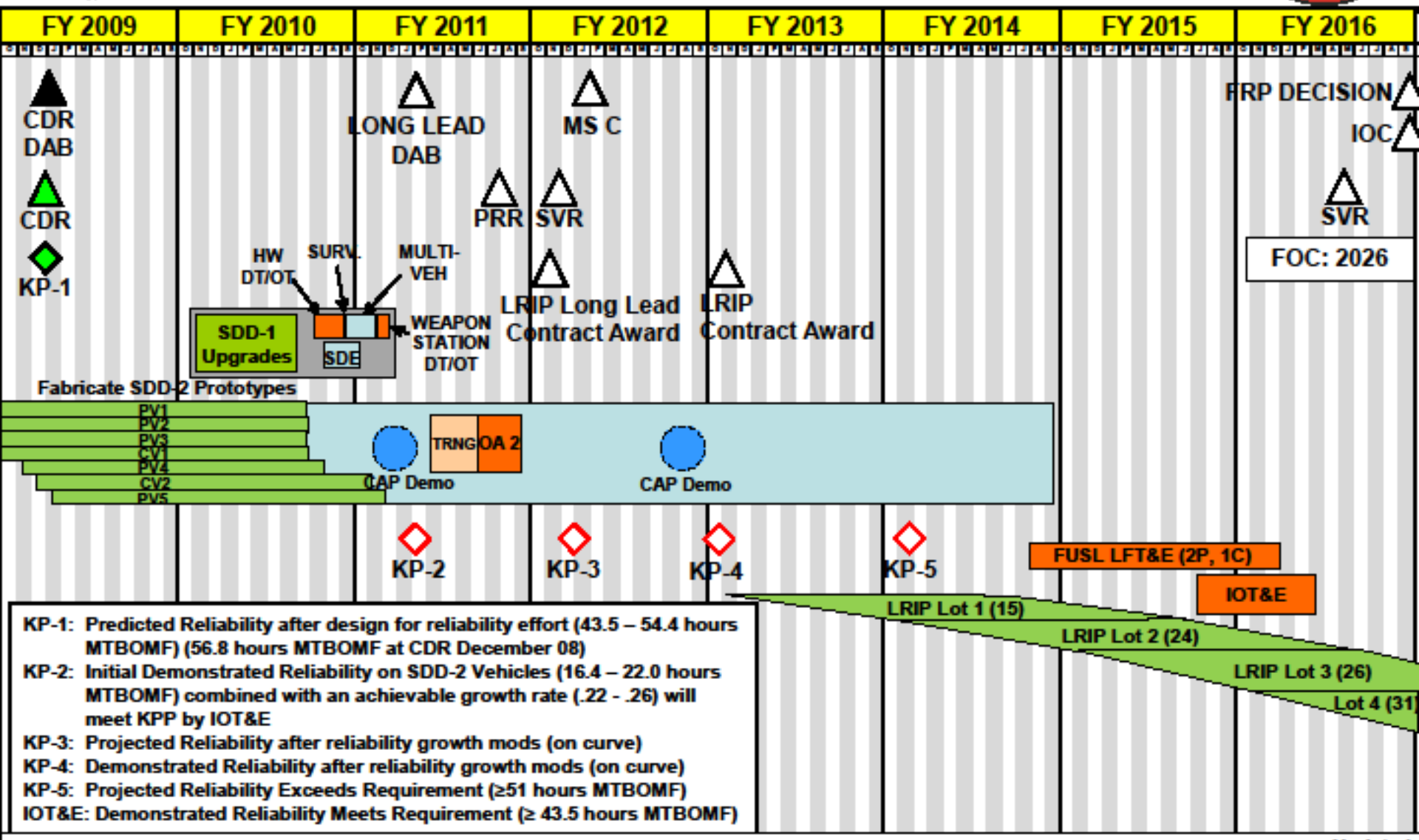
Plan to Demonstrate

INTEROPERABILITY WITH MARINES

- **The EFV design provides an integrated, on-the-move, interoperable, C2 capability that supports all C2 requirements of the Squad, Platoon, Company (EFVP1) and the Battalion and Regiment (EFVC1).**

EFV PROGRAM DETAIL SCHEDULE

PER PB-11 BUDGET CONTROLS



KP-1: Predicted Reliability after design for reliability effort (43.5 – 54.4 hours MTBOMF) (56.8 hours MTBOMF at CDR December 08)

KP-2: Initial Demonstrated Reliability on SDD-2 Vehicles (16.4 – 22.0 hours MTBOMF) combined with an achievable growth rate (.22 - .26) will meet KPP by IOT&E

KP-3: Projected Reliability after reliability growth mods (on curve)

KP-4: Demonstrated Reliability after reliability growth mods (on curve)

KP-5: Projected Reliability Exceeds Requirement (≥51 hours MTBOMF)

IOT&E: Demonstrated Reliability Meets Requirement (≥ 43.5 hours MTBOMF)

Updated
22 Jun 10

TECHNOLOGY INTERESTS

Blast Resistant Seats

Cooling System Improvements

Survivability Improvements

Lightweight Armor Improvements

Armor Upgrade Kits

Heat Resistant Materials

Self-Sealing Fuel Tanks