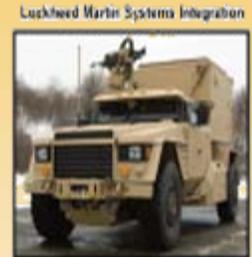
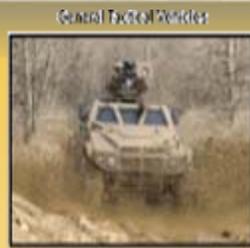
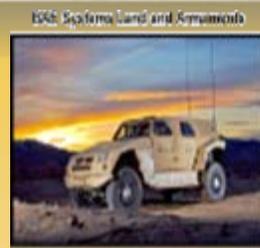
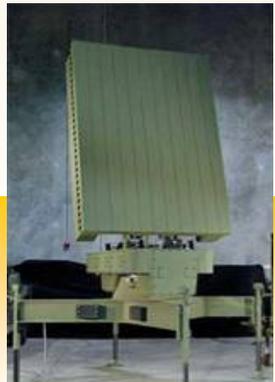




Mr. William E. Taylor PEO Land Systems



Strategy During Challenging Times



**2010 NDIA Tactical Wheeled Vehicle Conference
Portola Plaza Hotel, Monterey, California
Monday, 8 February 2010**



- 1. Uncertain fiscal future**
- 2. Becoming more Energy Efficient**
- 3. Maintaining our Expeditionary Nature**
 - Survivability vs. Mobility**
 - Survivability vs. Transportability**
- 4. Balancing the “Iron Triangle” to deliver Critical Warfighting Capabilities**



“The spigot of defense spending that opened on Sept. 11 is closing.”

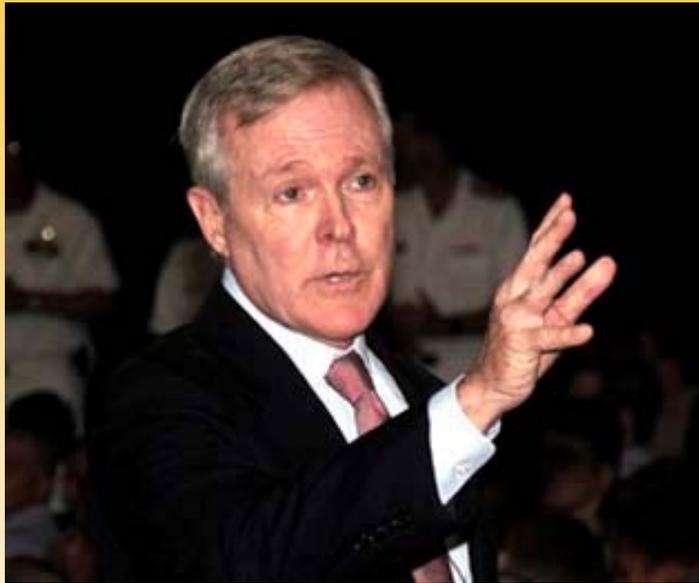
“We must constantly guard against so-called “requirements creep,” validate the maturity of technology at milestones, fund programs to independent cost estimates, and demand stricter contract terms and conditions.”



**Secretary of Defense Robert Gates
before the
Senate Armed Services Committee**

“This department (DoD) must consistently demonstrate the commitment and leadership to stop programs that significantly exceed their budget or which spend limited tax dollars to buy more capability than the nation needs.”

2. Energy Efficiency



“We will be more energy efficient... we have to be.”

General James T. Conway
Commandant of the Marine Corps



“We can do these things. We have to.”

Secretary of the Navy (SECNAV) The Honorable Ray Mabus

- 1. Cut oil consumption 50 percent by 2015.
- 2. By 2016, a Green Strike Group, consisting of nuclear and biofuel powered ships will be in service.
- 3. By 2020, 40% of the Navy’s total energy will come from fossil fuel alternatives and 50% percent of its onshore energy will come from renewable sources.
- 4. Lifetime energy costs for systems will be incorporated into Navy and Marine Corps award contracts.
- 5. Reduce petroleum use in the 50,000 commercial vehicle fleet by 50 percent by phasing in hybrid fuel and electric vehicles.



3. Expeditionary Nature



“Our concern is that right now, arguably since 2003, we have been serving as a second land Army. We believe in large doses of salt-sea-air. What we offer to the nation is an assured access from the sea. We don't want to weight these ships out before we cube them out. And all of that is at risk if you stay with heavy vehicles.”

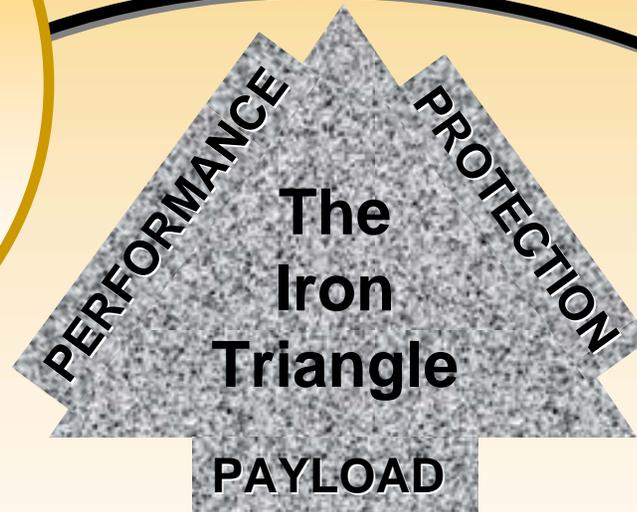
General James Conway, CMC

4. Balancing the Challenges



**The
Technology
Challenge**

**The
\$Fiscal\$
Challenge**



Energy Efficiency & Expeditionary Capability



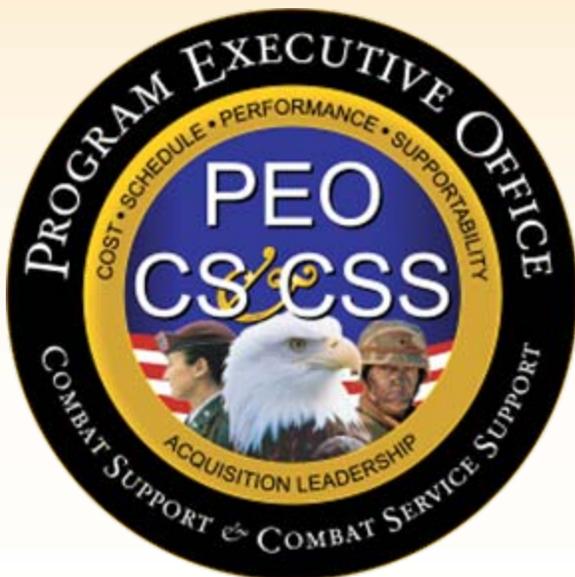
**What my GPS
is
telling me...**



- 1. Working with our partners**
- 2. Exploiting Science and Technology efforts**
- 3. Balancing our Ground Combat Vehicle Strategy**
- 4. Balancing through internal program management tools**



“Our first step is to continue to work with our partners to exploit technology to meet the Warfighter’s needs...”





PEO LS has identified “5” High Priority Technologies for 2010 to increase Warfighting capabilities and effectiveness of the MAGTF

- **Power & Energy**
- **Fuel Efficiency**
- **Survivability & Mobility**
- **Modeling & Simulation**
- **Fuel Containment & Fire Suppression**





ROMO Range of Military Operations ↓		VEHICLES		
		EFV (HEAVY-Tracked) Expeditionary Fighting Vehicle. Employed as a Maneuver Vehicle	MPC (MEDIUM-Wheeled) Marine Personnel Carrier Employed as a Maneuver Vehicle	JLTV (LIGHT-Wheeled) Joint Light Tactical Vehicle Employed as a Mobility Vehicle
Traditional	FEO Forcible Entry Operations	<ul style="list-style-type: none"> • Amphibious maneuver • High concentration of force and firepower • CBRNE protection 	<ul style="list-style-type: none"> • Balanced protected mobility • Reinforcement for the AE • Speed and mobility = M1A1 	<ul style="list-style-type: none"> • Mobility for Combat Leaders, Weapons Company, Combat Support and Combat Service Support
	MCO Major Combat Operations	<ul style="list-style-type: none"> • High all-around protection • Speed and mobility = M1A1 		
IFW	Crisis Response	<ul style="list-style-type: none"> • Amphibious maneuver • Low Force Dispersion (1 per squad) 	<ul style="list-style-type: none"> • Balanced protected mobility • Medium Force Dispersion (2 per squad) 	<ul style="list-style-type: none"> • Urban Maneuver • High Force Dispersion (3 per squad)
	Stability Ops	<ul style="list-style-type: none"> • Mine Protection 	<ul style="list-style-type: none"> • Mine Protection 	<ul style="list-style-type: none"> • Mine Protection
	Humanitarian Relief	<ul style="list-style-type: none"> • IED Protection 	<ul style="list-style-type: none"> • IED Protection 	<ul style="list-style-type: none"> • IED Protection



The Ground Combat Vehicle Strategy



- ✓ Life Cycle Logistics (LCL)
 - PBL's
- ✓ Program Maturity
 - PoPS
- ✓ Rigorous Systems Engineering
 - Technical Authority
 - Modeling & Simulation
 - Test & Evaluation
- ✓ Cost Estimation
- ✓ Science & Technology





“America needs to maintain a global Navy and a global presence for a lot of reasons, protection of our economic interests, projection of power to reassure allies, to deter future adversaries. I think that a fleet, and embarked Marines and associated Marine elements are one of our nation's strongest methods of doing that.”

Secretary of the Navy (SECNAV) The Honorable Ray Mabus 13



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Backups



IT'S ALL ABOUT THE WARFIGHTER

Expeditionary Fighting Vehicle (EFV)



Logistics Vehicle System Replacement (LVSR)



Medium Tactical Vehicle Replacement (MTVR)



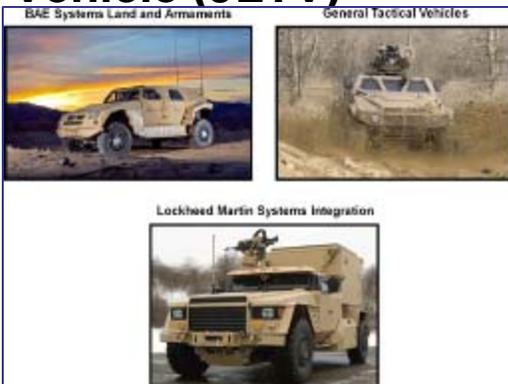
Lightweight 155 (M777)



Marine Personnel Carrier (MPC)*

Ground Air Task Oriented Radar G/ATOR

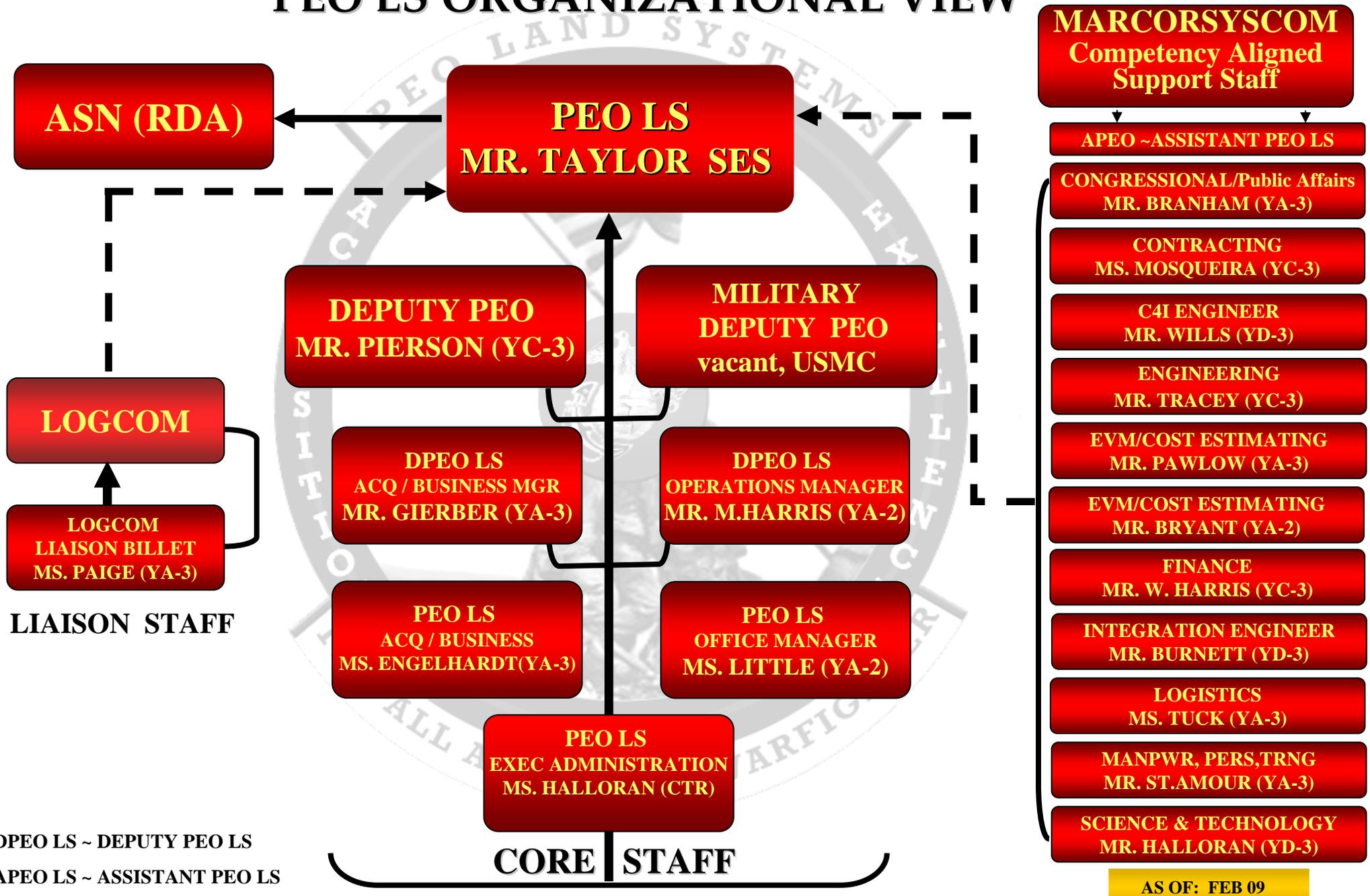
Joint Light Tactical Vehicle (JLTV)



Common Aviation Command & Control System (CAC2S)



PEO LS ORGANIZATIONAL VIEW

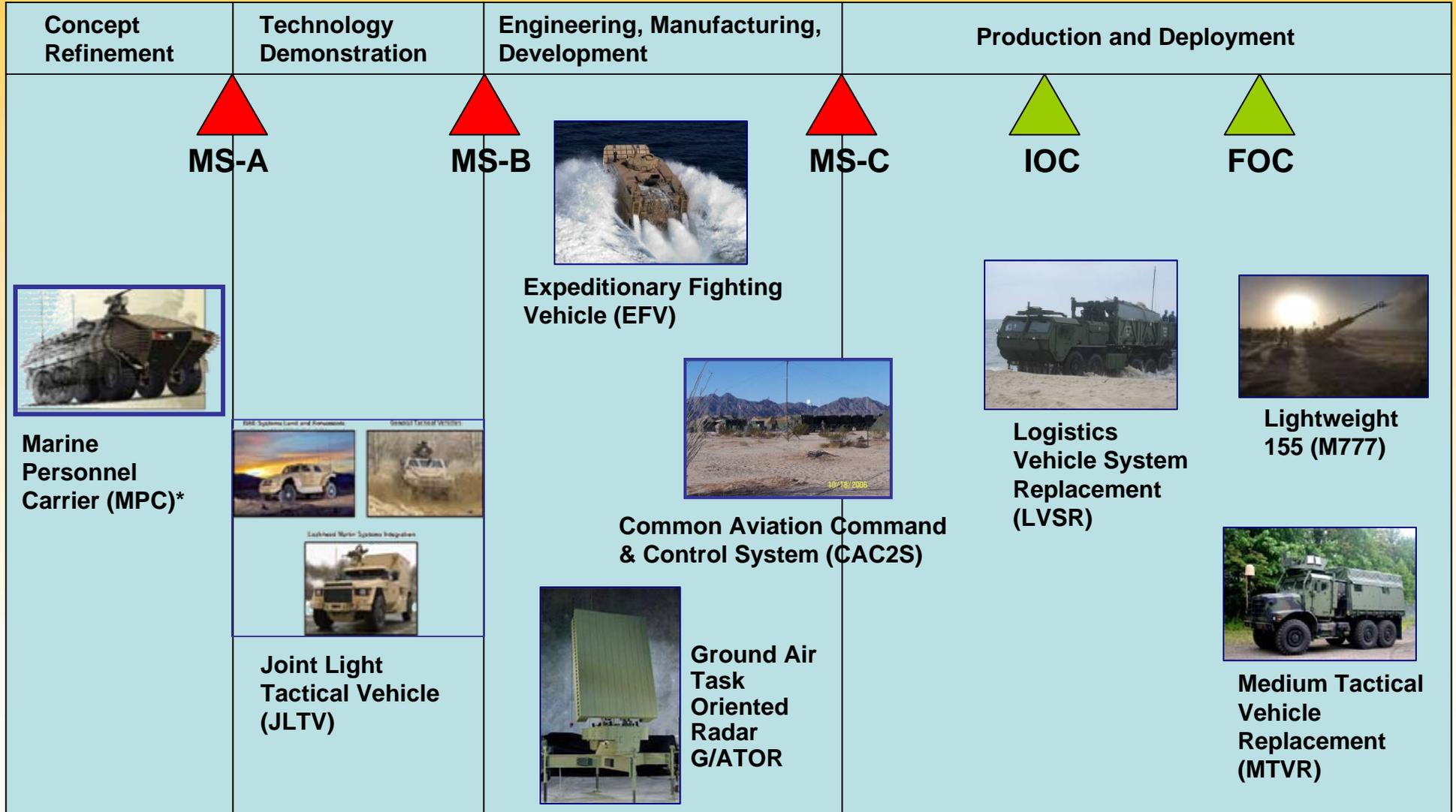


DPEO LS ~ DEPUTY PEO LS
 APEO LS ~ ASSISTANT PEO LS

AS OF: FEB 09

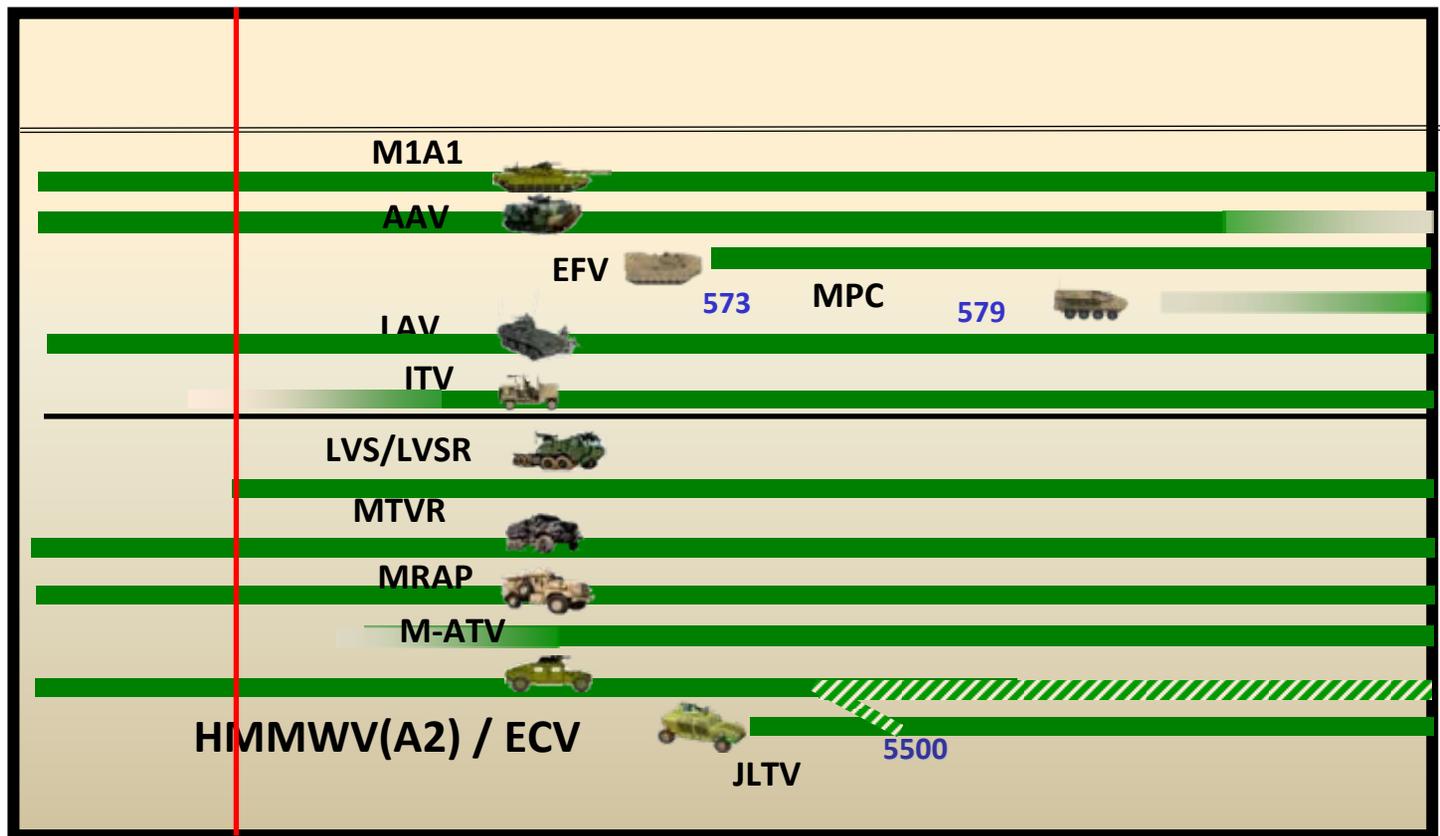
PEO LS PORTFOLIO IS *\$9B * CURRENT & FUTURE APPROPRIATIONS

CAC2S	EFV	G/ATOR	JLTV	LW155	LVSR	MPC	MTVR
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Current GCTV Strategy



2008 2010 2012 2014 2016 2018 2020 2022 2024



ASN (RD&A)

*Partnership
within the
Marine Corps*

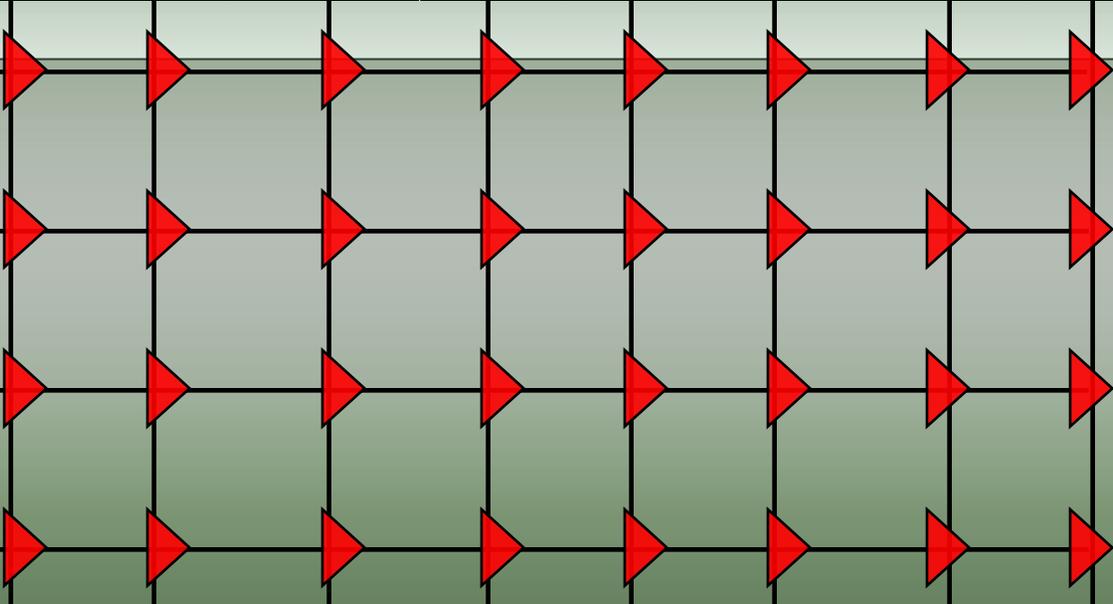
**MARCORSYSCOM
(BGen)**

**PEO LAND SYSTEMS
(SES)**

**MARCORSYSCOM PRODUCT
GROUPS AND SEPARATE PM'S**

- MCSC Competencies
- Finance
- Contracts
- Sys Eng
- Logistics

- MPC
- JLTV
- G/ATOR
- EFV
- LVSR
- CAC2S
- LW155
- MTVR



Additional Support such as Legal, PAO, etc..



**The
Technology
Challenge**

**The
\$Fiscal\$
Challenge**

**The
Iron Triangle
Challenge**