How We're Lightening the MAGTF …and More

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PEO Land Systems

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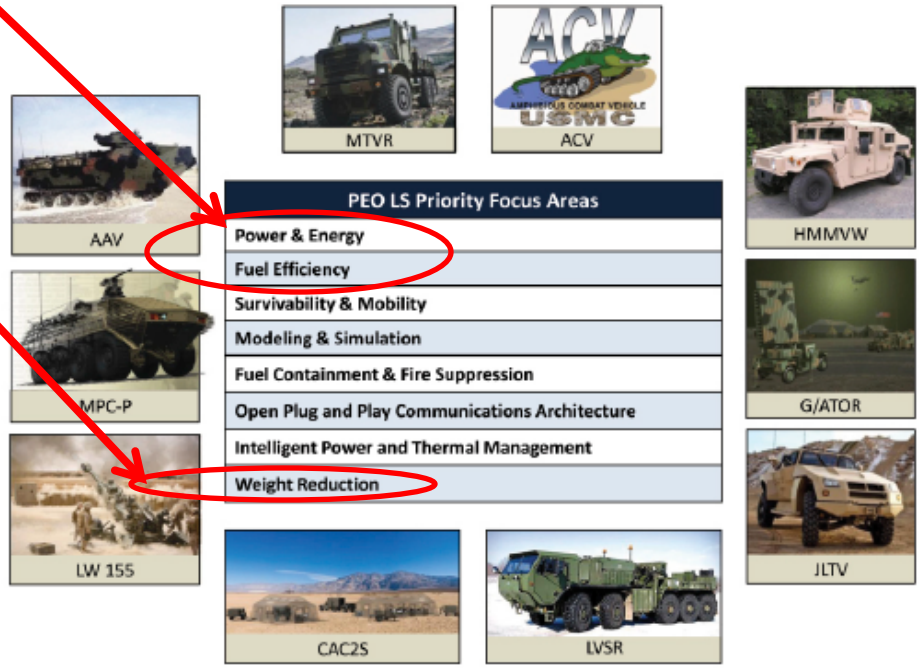
APBI
Norfolk, Virginia

A Few Ways PEO LS Is Lightening The MAGTF

- ❑Advanced Technology Investment Plan (ATIP)
- ❑G/ATOR Radar Single MAGTF Solution
- ❑ CAC2S Scaleability
- ❑ On-Board Vehicle Power (OBVP)
- ❑ Fuel Efficient MTVR (FNC-Future Naval Capability)

Advanced Technology Investment Plan

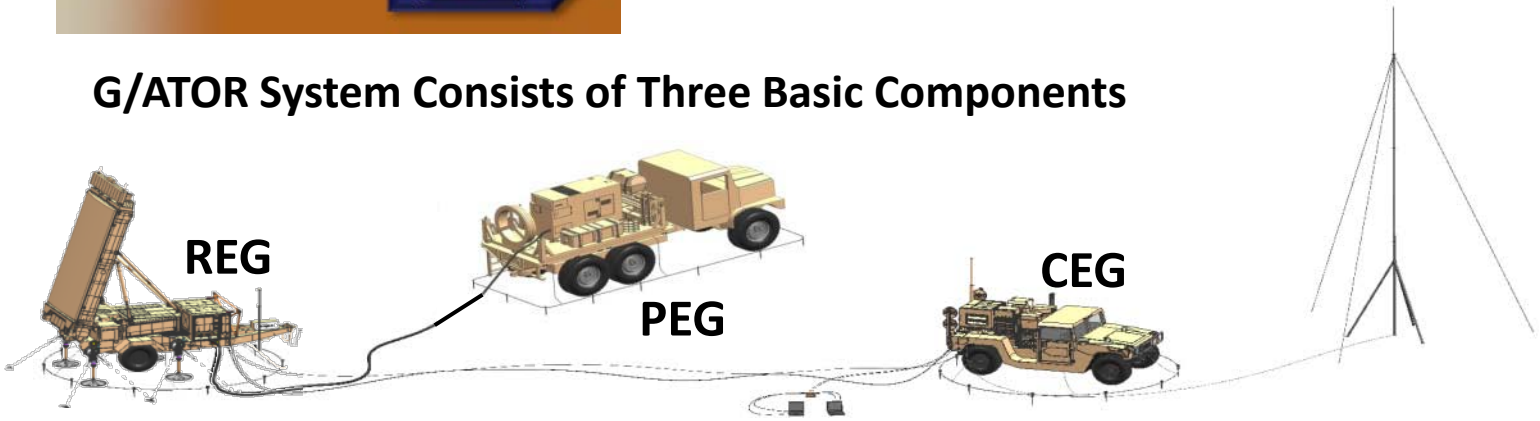
PEO LS is engaged with ONR, MCSC, RDECOM, TARDEC, NSWC Dahlgren as well as various industry partners, small businesses (SBIRs) and other agencies in focusing on <u>Fuel Efficiency</u>, <u>Power and Energy</u> to address Lightening the MAGTF.



Lightening The MAGTF through G/ATOR Radar
<u>Single</u> MAGTF Solution

Each legacy system requires at least 5 additional prime movers

G/ATOR System Consists of Three Basic Components



Lightening The MAGTF through CAC2S

- CAC2S-Is a scaleable, modular and flexible communications system with an open-architecture design that can be deployed via humvee within 24 hours of receiving a movement order.
- CAC2S is transportable via helicopters, airplanes, amphibious ships and landing craft.
- IOC in February 2012.

CAC2S provides high commonality, yielding efficiencies and cost savings in training and logistics support.

Lightening The MAGTF With On-Board Vehicle Power

HMMWV OBVP

Ongoing Field User Evaluation at Camp Lejeune, N.C.

and Camp Pendleton, Calif.

Trailers and Generators

MTVR OBVP

Lightening The MAGTF With Future Naval Capability (FNC)— fuel efficiency

"The Marine Corps' Medium Tactical Truck, called the Medium Tactical Vehicle Replacement (MTVR), consumes from 40-60% of all fuel consumed by Marine Corps Ground Vehicles during assault and sustainment operations."

U.S. Marine Corps Tactical Fuel Systems (1998-2010) Study-Tactical Fuel Requirements Analysis, 1998

"We will consider energy performance in all our requirements and acquisition decisions."

General James F. Amos
Commandant Of
The Marine Corps

Lightening the Budget Through O&S Initiatives

- **High Mobility Multi-Purpose Wheeled Vehicle (HMMWV)**
  - --Six-phased sustainment approach
  - --Increase reliability and fuel efficiency to reduce O&S Costs
- **JLTV Smart Technologies**
  - --Integrated Digital Technology Backbone (Modular Plug & Play)
  - --Increased Reliability, Availability and Maintainability (RAM)
  - --TD-Phase Points Way Ahead To The Future
- **MTVR Supportability Sustainment Strategy**
  - --Currently Evaluating The Best Support Paradigms
- **Performance Based Logistics (PBLs)**
  - -- LW155

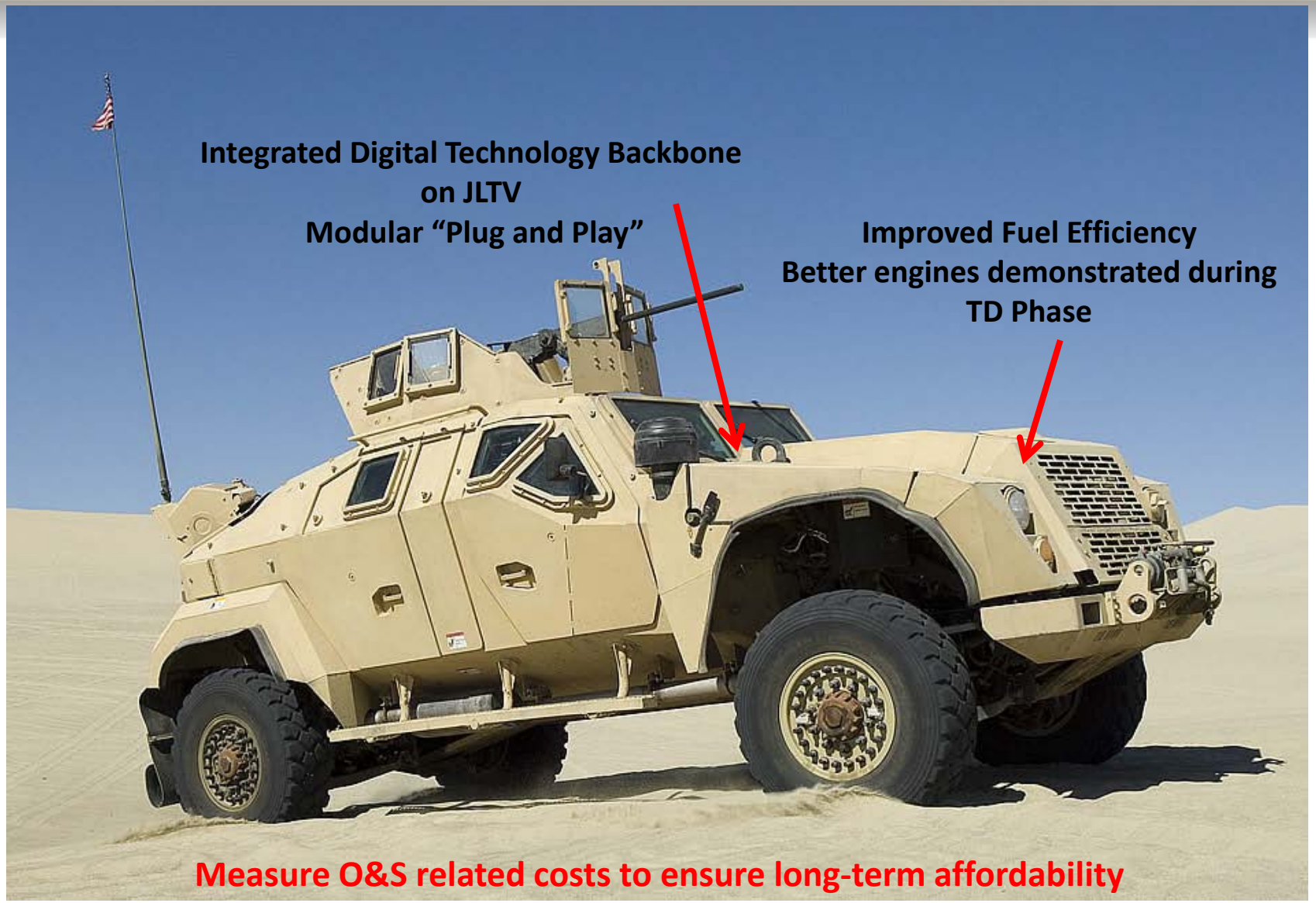
Lightening the Budget Through HMMWV Sustainment

❑ Restore HMMWV to required levels of <u>safety</u>, <u>performance</u> and <u>mobility</u> through 2030.

❑ Inspect and Repair Only As Necessary (IROAN) Depot Maintenance Program and a HMMWV Modification Line which will be in six phases.

Increase Reliability & Fuel Efficiency to reduce O&S Costs

Lightening the Budget Through JLTV Smart Technologies



Measure O&S related costs to ensure long-term affordability

Lightening the Budget Through MTVR Sustainment

We are currently evaluating the best method of Life Cycle Support for the MTVR as we look to the future to reduce O&S Costs

Lightening the Budget Through PBLs

- The approved LW155 Performance Based Logistics (PBL) Business Case Analysis (BCA) recommended use of a hybrid (Organic/Contractor) alternative.

- Life Cycle Sustainment (LCS) incorporates the major elements of the BCA to deliver performance instead of the traditional transaction-based response.

  --The LCS contract will provide end-to-end supply chain management of @1,500 unique parts.

  --This includes setting up Performance Based Agreements (PBAs) with Organic Suppliers to ensure availability of parts for 90% readiness.

Introduction Of Program Managers

11:10am – 11:40am Medium/Heavy Vehicles
Mr. Bryan Prosser, PM Medium/Heavy Vehicles

1:30pm – 2:15pm Light Tactical Vehicles
Lieutenant Colonel Mike Burks, USMC, PM Light Tactical Vehicles

2:15pm – 3:45pm Advanced Amphibious Assault Vehicles
Mr. John Garner, Deputy PM Advanced Amphibious Assault (PM AAA)
Mr. Marc Paquette (MPC) and Mr. Dennis Boucher (AAV)

4:15 pm – 5:00pm Lightweight 155 MM Howitzer
Mr. Chris Hatch, Deputy PM Lightweight 155 MM Howitzer

5:00 pm – 5:30pm PEO Land Systems Science & Technology
Mr. Michael Halloran, PEO LS Director, Science & Technology

Note: Times are current as of 4/25/12

Questions?

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