• Established in 2007 to enhance acquisition oversight and focus on an expanding Marine Corps portfolio of ACAT I & II ground and amphibious weapons systems.

• Current PEO LS Portfolio consists of Twenty Two (22) Programs totaling $8.3B dollars across the FYDP.
PEO LAND SYSTEMS MARINE CORPS

ORGANIZATIONAL VIEW

ASN (RD&A)
Program Executive Officer
Land Systems Marine Corps
Mr. John M. Garner
DPEO/ Col Andrew Bianca
Chief of Staff/ Don Kelley

CMC

ASN (RD&A)
Program Transitions
to PEO LS

AAV: 1 AUG 2011
MOTOR T: 2 DEC 2011
C4I: 30 JAN 2012
MRAP: 29 JUL 2013

PEO LAND SYSTEMS
CORE STAFF

BUSINESS
MANAGEMENT

PROGRAM
MANAGEMENT

ASN (RD&A)

MARCORSYS.COM
Competency Aligned Staff

CONTRACTS
CONGRESS
LIAISON & PAO
COST
ESTIMATING
ENGINEERING
FINANCE

SCIENCE &
TECHNOLOGY

MC

MACCS
G/ATOR
GBAD
CAC2S
CTN
AAC2SN
Ground Based Air Defense
Ground Air Task Oriented Radar

M&HTV
Medium & Heavy
Tactical Vehicles

LTV
Light
Tactical Vehicles

TAS
Towed Artillery Systems

Towed
Artillery Systems

PEO LS WORKFORCE
MILITARY: 47
CIVILIAN: 324

TBMCS
JLTV
HMMWV
ITV
UTV
LW155
MTVR
TRAILERS
MATV
BUFFALO
COUGAR
FRC
LVS
P-19

ACV 1.1
AAV SU
AAV

ACV 1.1
AAV SU
AAV

ACV 1.1
AAV SU
AAV

ACV 1.1
AAV SU
AAV
PEO LS S&T ORGANIZATION

PEO LS DIR S&T
Mr. Mike Halloran
michael.d.halloran@usmc.mil
(703) 432-5604

PM AAA
Joe Was
Joseph.was@usmc.mil
(703) 780-2024

PM M&HTV
Jim Bohley
James.bohley@usmc.mil
(703) 432-4371

GBAD-G/ATOR
Maj Mike Wade
Michael.g.wade@usmc.mil
(703) 432-4248

PM AC2SN
Fran Bonner
Francis.bonner@usmc.mil
(703) 432-4352

LW155
Joe Lipinski
joseph.z.lipinski.civ@mail.mil
(973) 724-4343

PM LTV
Dave Moyer
David.moyer@usmc.mil
(703) 432-5087

Denotes Lead Engineer also serving as the S&T Representative
‘FOCUSBING THE FUTURE FASTER’

1. Accomplished through Concept-aligned, Capability-based technology transitions into Programs of Record (PORs).

2. Success through engagement, collaboration & communication across the S&T Enterprise to better inform, influence and align investments.
S&T Concept to Capability Process

1. Identify Strategic Concepts
2. Identify and Align Concept/Core Capabilities
3. Identity and Align to MGL – determine all Deltas
4. STO Alignment to Issues or Identified Deltas
5. Matching Requirements with Technology or Identified Deltas
6. Matching Gaps in Technology to Venue/Resources/$$’s
7. Signed Agreement for Transitioning Technology
8. Budget for the Technology Insertion/Active role in POM
9. Transition Technology into Program of Record
10. Capability – Leverage all S&T Resources to Close Warfighter Gaps

Focus

- PMs Identify Top Program Issues
- Power & Energy
- Survivability & Mobility
- Modeling & Simulation
- Open Plug & Play Comm. Architecture

Concepts

MAGTF Capabilities List*
MAGTF Gap List*

Venues $$
- FNC
- SBIR
- JCTD
- STTR
- INP
- ATOs

Requirements Technology Matchups

TTA signed by “3 Circle” Membership

Follow Through

PPBES/POM

Program of Record

Finish

* Subject to change with the approval of the Marine Corps Force Development System (MCFDS)
The ATIP serves as a ‘roadmap’ on how industry/Warfare Centers can best support PEO LS Program Managers and their associated Technology needs!

1. Identifies the Top Technical Issues within PEO LS
2. Informs, Influences and Aligns S&T Investments
3. Resolve Capability Gaps & Technology Issues
4. Support Technology Insertion and Transition into PORs

Available Electronically @ the Defense Innovation Marketplace (DIM): http://www.defenseinnovationmarketplace.mil/USMC.html
ACV 1.1 Technical Issue #1 Survivability

**Program Milestone & Insertion Points**

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<td>ACV 1.2</td>
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<td>FRP</td>
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**Active & Potential Investment Opportunities**

- Human Body Model: $1.30M
- Mitigation of Blast Injuries: $0.87M
- Advanced Camouflage: $1.40M
- Interior Impact Protective Solutions
- Carbon Nanotube Applications/Integration: $0.50M
- Combat Vehicle Adaptive Armor
- Functionally Gradient Armor Materials (Additive Mfg): $0.31M
- Light Armor Design: $2.31M

**Concept to Capability Mapping Alignment Process**

- MCC1: 3.1, 7.2
- MCC2: 1B-3.1-G1
- MCT: 1, 4
- STOS: MVR STO-2, MVR STO-4
- Technology:
  - Human Body Model
  - Interior Impact Protective Solutions
  - Mitigation of Blast Injuries
  - Advanced Camouflage
  - Carbon Nanotube Applications/Integration
  - Combat Vehicle Adaptive Armor
  - Functionally Gradient Armor materials (Additive Mfg)
  - Light Armor Design

**Funding Profiles ($M)**

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<th>Funding Profiles ($M)</th>
<th>FY15</th>
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<th>FY19</th>
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<td>6.79</td>
<td>4.52</td>
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<td>6.94</td>
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S&T FOCUS AREAS

• Power and Energy
  ➢ Fuel Efficiency
  ➢ Power/ Thermal Management

• Survivability/Mobility
  ➢ Autonomy/ Corrosion
  ➢ Crew Visibility/Fire Suppression
  ➢ Weight Reduction/Transparent Armor

• Modeling and Simulation

• Open Plug & Play C4I Architecture
Informed Investments = Affordable Solutions

• $4.4M in RIF Funding/ year
• $35M in SBIR Funding
• $250M in S&T Funding across the FYDP

Average ~ $42M / PMO of S&T $$$
Where We’re Going

• Autonomy – Man-Machine Unmanned Teaming
  • Moving toward programs that support Autonomous Amphibious Operations (swarming the beachhead with autonomous craft)
  • Looking at capabilities that support tactical maneuver of forces through the use of unmanned autonomous systems capable of collaborating and sharing information to reduce the operator workload

• Cyber Secure Platforms

• Counter UAS

• Active Protection Systems
QUESTIONS