



Marine Corps Systems Command (MCSC)
Advanced Planning Briefing To Industry (APBI)

“Equipping The Warfighter To Win....Strategy For The Long War”

Baltimore, MD

13-14 May 2008

Agenda

Tuesday, 13 May 2008

Keynote Address - “Challenges for Industry... What the USMC Needs from our Partners in Industry”
Major General Edward G. Usher, USMC, Deputy Commandant Installations and Logistics

Overview and Strategic Vision for the MCSC, *Brigadier General Michael M. Brogan, USMC*
Commander, Marine Corps Systems Command

Emerging Requirements/ Capabilities and Future Needs of the Corps, *Brigadier General Andrew O’Donnell, USMC, Director Capabilities Development;*
Directorate, Marine Corps Combat Development Command

PEO Land Systems Overview, *Colonel William E. Taylor, USMC, Program Executive Officer, Land Systems*

Panel: Information Systems & Infrastructure (ISI)

Introduction: *Colonel Ed Daniel, USMC, Acting Product Group Director, PG 10*

Panel Members:

- Mr. Ken Beutel, Computing Platforms & Services (PM CPS)
- Mr. Alfredo Cruz, Marine Corps Network & Infrastructure Services
- Ms. Sonia Kitchen, Total Force Information Technology Systems
- Mr. William Sandlin and Lieutenant Colonel James Stone, USMC, Global Combat Support Systems (GCSS)

Panel: Communications, Intelligence and Networking Systems (CINS)

Introduction: *Mr. Gregory Pardo, Acting Product Group Director, PG 12*

Panel Members:

- Ms. Theresa Conte, Communications and Networking Systems
- Colonel Phillip C. Chudoba, USMC, Intelligence Systems

Panel: MAGTF C2 Weapons & Sensors Development & Integration (MC2I)

Introduction: *Mr. Thomas Irwin, Product Group Director, PG 11*

Panel Members:

- Mr. Kevin Holt, MAGTF C2 Systems
- Mr. Reggie Brown, Radars
- Lieutenant Colonel Donald B. McDaniel, USMC, Air Defense and Unmanned Systems
- Mr. John Karlovich, Ground Air Task Oriented Radar (G/ATOR) (PEO LS)

Panel: Ground Transportation & Engineer Systems

Introduction: *Mr. Gordon Taylor, Product Group Director, PG 15*

Panel Members:

- Mr. William P. Macecevic, Engineer Systems
- Mr. Michael A. Gallagher, Expeditionary Power Systems
- Mr. Paul Mann, MRAP
- Mr. Tom Miller, Motor Transport Medium Tactical Vehicle Replacement (MTVR) (PEO LS), Logistics Vehicle System Replacement (LVSR) (PEO LS)
- Lieutenant Colonel Ben Garza, USMC, Joint Light Tactical Vehicles (JLTV) (PEO LS)
- Colonel Mike Micucci, USMC, Light Armored Vehicle (LAV), Marine Personnel Carrier (MPC) (PEO LS)

Wednesday, 14 May 2008

Welcome

Keynote Address- Navy, Mr. Roger Smith, USN, Deputy Assistant Secretary of the Navy (Research, Development and Acquisition), Expeditionary Warfare

Keynote Address- “Marine Corps Needs and Resources”, Major General Duane Thiessen, USMC, Assistant Deputy Commandant for Programs and Resources,

HQMC

“Interoperability, Systems Engineering”, *Mr. John D. Burrow*, Deputy Commander; Systems Engineering, Interoperability, Architectures and Technology, Marine Corps Systems Command

Panel: Armor & Fire Support Systems Product Group (AFSS)

Introduction: *Mr. Robert Williams*, Product Group Director, PG 14

Panel Members:

- Mr. Bryan Prosser, Assault Amphibious Vehicle Systems
- Mr. John Garner, Expeditionary Fire Support System/Internally Transportable Vehicle
- Mr. James Ripley, Fire Support Systems
- Lieutenant Colonel Wendell Leimbach, USMC, Tank Systems
- *Colonel John Bryant*, USMC, Expeditionary Fighting Vehicles (EFV) (PEO LS)

Panel: Infantry Weapons Systems Product Group

Introduction: *Lieutenant Colonel Scott Huelse*, USMC, Acting Product Group Director, PG 13

Panel Members:

- Mr. Mark Richter, Marine Expeditionary Rifle Squad
- Mr. William Barnebee, Recon and Amphibious Raids
- Mr. Eric Miller, Optics and Non-Lethal Systems
- Lieutenant Colonel Tracy Tafolla, USMC, Infantry Weapons

Panel: Combat Equipment & Support Systems Product Group (CESS)

Introduction: *Colonel Edward Smith*, USMC, Product Group Director, PG 16

Panel Members:

- Lieutenant Colonel Arthur J. Pasagian, USMC, Infantry Combat Equipment
- Mr. Scott Adams, CBRN Systems
- Lieutenant Colonel Charles Parton, USMC, TMDE Systems

Panel: Independent Program Managers

Introduction: *Colonel Frank Kelley*, Program Manager

Panel Members:

- *Colonel James Braden*, USMC, Robotic Systems

Mr. Jim Shields, Light Weight 155 (PEO LS)

“The Road Ahead...The Long War”, *Mr. Barry Dillon*, Executive Director, Marine Corps Systems Command

Classrooms

Advanced Planning Briefing to Industry, *Jeraline S. Artis*, Associate Director, Small Business Programs

Commercial Enterprise Omnibus Support Services, *Ms. Patricia Mitchell*, Director ACSS

USMC International Programs Comparative Testing Programs, *Ms. Shawn Prablek*, USMC, MARCORSYSCOM, International Programs

2008 MARINE CORPS SYSTEMS COMMAND ADVANCED PLANNING BRIEFING TO INDUSTRY



ON-SITE AGENDA

MAY 13-14, 2008

WWW.NDIA.ORG/MEETINGS/8900

HYATT REGENCY BALTIMORE

BALTIMORE, MARYLAND

Event # 8900

MARINE CORPS SYSTEMS COMMAND (MCSC)
ADVANCED PLANNING BRIEFING TO INDUSTRY (APBI)

MAY 13-14, 2008

THEME: "EQUIPPING THE WARFIGHTER TO WIN...STRATEGY FOR THE LONG WAR"

A world wide movement of extremist organizations, networks and individuals who use terrorism for ideological ends pose a continuing threat to the free nations of the world. Al Qa'ida has made Iraq its central front; therefore success in Iraq is key to defeat global terrorists. It is our strategy to defeat violent extremism which is a threat to our way of life as a free and open society. Our success will require great perseverance by the American people. Defeating the extremist ideology will take time; it will be a long, sustained struggle.

The Long War on Terror has also placed unprecedented demands on America's ground fighting forces. The U.S. Marine Corps has deployed fighting forces in Iraq and Afghanistan and over the past five years, many new requirements have developed. As the Commandant's principal agent for acquisition and sustainment of systems and equipment used by operating forces to accomplish their warfighting mission, MCSC is charged with the responsibility to provide new or enhanced capabilities to satisfy warfighter requirements and for resetting the force.

The goal of this event is to increase industry awareness of the critical requirements for innovation that will ultimately protect our warfighters and our freedom.

Throughout the conference, guest speakers from industry, as well as Marine Corps general officers and high-ranking Navy officials, will present relative subject matter. Each MCSC Product Group Director and their Program Managers will conduct briefs followed by a panel question and answer period. Additionally, all MCSC Independent Program Managers, MC Program Executive Officer, Land Systems and International Programs will present briefs. Simultaneously, workshops are being conducted on Commercial Enterprise Omnibus Support Services (CEOss), how to bid for service contracts, product contracts using Navy Electronic Commerce On-line (NECO), an overview on how the Marine Corps Systems Command Budget works, and Small Business Overview. Static displays from each product group Marine Corps Combat Development Command and Marine Corps Warfighting Lab are on exhibit in the Foyer. Subject matter experts and support staff are present in each display to answer questions or set up appointments for more in-depth meetings.

Workshops- May 13-14

1) Commercial Enterprise Omnibus Support Services

Ms. Patricia Mitchell, ACSS Director

The MCSC Acquisition Center for Support Services (ACSS) will provide a.m. and p.m. workshops both days of the event for those firms interested in providing technical services in support of Command Product Groups. Workshops are focused on providing an overview of the Command's highly successful Commercial Enterprise Omnibus support services (CEOss) business model and discussing the annual "open season" for new contractors. The CEOss business model supports the Command's entire 1300-member constituency, as well as other Marine Corps offices, with a complement of 29 prime vendors' teams and a total participating base of over 200 firms. All tasks are executed through their enterprise business portal which provides for awards in under 20-days. Annually, CEOss generates in excess of 120 competitive task orders yielding ~\$200M in business opportunities for participating firms. The workshop will be conducted by Ms. Patricia Mitchell, ACSS Director, who will discuss how to become a successful CEOss participant in both prime and subcontractor roles. Workshop sessions are intended as open dialogue and participation is limited to 25 attendees per session over the course of the event. Additional information on the CEOss business model can be found at: <http://www.marcorsyscom.usmc.mil/sites/acss/default.asp>.

2) Navy Electronic Commerce On-line

Ms. Vicki Whitman

Are you wondering where to go to find out about MARCORSYSCOM contracting opportunities? Are requirements listed on the MARCORSYSCOM website? Are they available on FEDBIZOPPS? MARCORSYSCOM advertises contracting requirements using the Navy Electronic Commerce Opportunities (NECO) website as part of the DoD and Navy initiative to create a Paperless Acquisition process. This session will provide step-by-step instruction on using NECO as a vendor. You will be able to register as a vendor on NECO and sign-up to receive notification of future procurements via e-mail. Beverly Hobbs, MARCORSYSCOM Lead Contracting Officer for Business Operations, will show you how user friendly NECO is and provide navigation techniques. Vendors will leave with a copy of the NECO Vendor's Guide and helpful information, which will guide you on doing business with MARCORSYSCOM Contracts Directorate.

3) Small Business

Ms. Jeraline Artis, Small Business Associate Director

Greetings to all Small Businesses attending the Advanced Planning Briefing to Industry Conference! In today's Federal environment it is essential that Small Businesses know where to find Government opportunities that match their company capabilities. For the next two days, the Program Managers at MARCORSYSCOM will provide an overview of their programs in order to increase small business awards with MARCORSYSCOM. As the Small Business Associate Director at MARCORSYSCOM, it is an honor to help and assist you in obtaining information about business opportunities at the Command. I look forward to meeting you!

4) The International Programs Directorate

Session 1A,2A & 3A

Mr. Steven Manchester, Director

Ms. Shawn Prablek, International Cooperative Programs Team Lead

The International Program Directorate will provide morning and afternoon informational sessions during both days of the event for international and domestic industry audiences on the topics of Foreign Comparative Testing (FCT) and the Defense Acquisition Challenge (DAC) Program. The mission of FCT is to test the non-developmental items (NDI) of our allies and friends in order to satisfy valid defense requirements more quickly and economically avoiding research and development costs, lowering procurement costs, reducing risk for major acquisition programs, and accelerating the fielding of equipment critical to the readiness and safety of U.S. operating forces. FCT has served as a catalyst for industry teaming arrangements which have been productive for both U.S. and foreign industries in an increasingly global market. The mission of the DAC Program is to provide increased opportunities for the introduction of commercial, cost-saving, NDI, technologies, processes, or products into existing DoD acquisition programs. Agenda topics will include an overview of both programs, program objectives, required criteria, requirements for participation, and processes followed by a question and answer session.

CONCURRENT WORKSHOP TIMES

May 13

7:30 AM

Workshops 1, 2, & 3

9:45 AM

Workshop 4

10:00 AM

Workshops 1, 2, & 3

1:30 PM

Workshop 4

May 14

7:30 AM

Workshops 1, 2, & 3

9:45 AM

Workshop 4

10:00 AM

Workshops 1, 2, & 3

WORKSHOP ROOMS

- **Columbia Suite-**
*Commercial Enterprise
Omnibus Support Services*
- **Frederick Suite-**
*Navy Electronic
Commerce On-line*
- **Annapolis Suite-**
Small Business
- **Baltimore Suite-**
*The International
Program Directorate*

CONFERENCE AGENDA

May 13, 2008

- 7:00 AM **Registration and Continental Breakfast**
- 7:45 AM **Welcome and Opening Remarks**
Major General Barry D. Bates, USA (Ret)
Vice President, Operations, NDIA
- 8:00-8:30 AM **Keynote Address- “Challenges for Industry...What the USMC Needs from our Partners in Industry”**
Major General Edward G. Usher, USMC
Deputy Commandant Installations and Logistics
- 8:30-9:00 AM **Updates from the Battlefield**
Major General John R. Allen, USMC
Deputy Commanding General, II Marine Expeditionary Force; Commanding General, 2d Marine Expeditionary Brigade
- 9:00-9:30 AM **Overview and Strategic Vision for the MCSC**
Brigadier General Michael M. Brogan, USMC
Commander, Marine Corps Systems Command
- 9:30-9:45 AM **Break in Display Area**
- 9:45-10:15 AM **Emerging Requirements/ Capabilities and Future Needs of the Corps**
Brigadier General Andrew O'Donnell, USMC
Director Capabilities Development; Directorate, Marine Corps Combat Development Command
- 10:15-10:45 AM **PEO Land Systems Overview**
Colonel William E. Taylor, USMC
Program Executive Officer, Land Systems
- 10:45-11:50 AM **Panel: Information Systems & Infrastructure (ISI)**
Introduction:
Colonel Ed Daniel, USMC
Acting Product Group Director, PG 10
Panel Members:
- Mr. Ken Beutel
Computing Platforms & Services (PM CPS)
 - Mr. Alfredo Cruz
Marine Corps Network & Infrastructure Services
 - Ms. Sonia Kitchen
Total Force Information Technology Systems
 - Mr. William Sandlin and Lieutenant Colonel James Stone, USMC
Global Combat Support Systems (GCSS)
- 11:50-12:30 PM **Panel: Communications, Intelligence and Networking Systems (CINS)**
Introduction:
Mr. Jim Riordan
Product Group Director, PG 12
Panel Members:
- Ms. Theresa Conte
Communications and Networking Systems
 - Colonel Phillip C. Chudoba, USMC
Intelligence Systems

CONFERENCE AGENDA

12:30-1:35 PM

Buffet Lunch

1:35-2:05 PM

“Marine Corps Warfighting Laboratory/ Experimentation”

Brigadier General Thomas M. Murray, USMC

Commanding General, Marine Corps Warfighting Lab

2:05-3:20 PM

Panel: MAGTF C2 Weapons & Sensors Development & Integration (MC2I)

Introduction:

Mr. Thomas Irwin

Product Group Director, PG 11

Panel Members:

- Mr. Kevin Holt
MAGTF C2 Systems
- Mr. Reggie Brown
Radars
- Lieutenant Colonel Donald B. McDaniel, USMC
Air Defense and Unmanned Systems
- Colonel Alan Pratt, USMC
Common Aviation Command and Control System (CAC2S) (PEO LS)
- Mr. John McGough
Ground Air Task Oriented Radar (G/ATOR) (PEO LS)

3:20-3:35 PM

Break in Display Area

3:35-5:45 PM

Panel: Ground Transportation & Engineer Systems

Introduction:

Mr. Gordon Taylor

Product Group Director, PG 15

Panel Members:

- Mr. William P. Macecevic
Engineer Systems
- Mr. Michael A. Gallagher
Expeditionary Power Systems
- Mr. Paul Mann
MRAP
- Mr. Tom Miller
Motor Transport
Medium Tactical Vehicle Replacement (MTVR) (PEO LS)
Logistics Vehicle System Replacement (LVSr) (PEO LS)
- Lieutenant Colonel Ben Garza, USMC
Joint Light Tactical Vehicles (JLTV) (PEO LS)
- Colonel Mike Micucci, USMC
Light Armored Vehicle (LAV)
Marine Personnel Carrier (MPC) (PEO LS)

5:45-8:00 PM

Reception in Display Area

CONFERENCE AGENDA

May 14, 2008

- 7:00 AM **Registration and Continental Breakfast**
- 8:00-8:30 AM **Keynote Address- Navy**
Mr. Roger Smith, USN
Deputy Assistant Secretary of the Navy (Research, Development and Acquisition), Expeditionary Warfare
- 8:30-9:00 AM **Keynote Address- “Marine Corps Needs and Resources”**
Major General Duane Thiessen, USMC
Assistant Deputy Commandant for Programs and Resources, HQMC
- 9:00-9:30 AM **“Interoperability, Systems Engineering”**
Mr. John D. Burrow
Deputy Commander; Systems Engineering, Interoperability, Architectures and Technology
Marine Corps Systems Command
- 9:30-9:45 AM **Break in Display Area**
- 9:45-10:50 AM **Panel: Armor & Fire Support Systems Product Group (AFSS)**
Introduction:
Mr. Robert Williams
Product Group Director, PG 14
Panel Members:
- Mr. Bryan Prosser
Assault Amphibious Vehicle Systems
 - Mr. John Garner
Expeditionary Fire Support System/Internally Transportable Vehicle
 - Mr. James Ripley
Fire Support Systems
 - Lieutenant Colonel Wendell Leimbach, USMC
Tank Systems
 - Colonel John Bryant, USMC
Expeditionary Fighting Vehicles (EFV) (PEO LS)
- 10:50-12:00 PM **Panel: Infantry Weapons Systems Product Group**
Introduction:
Lieutenant Colonel Scott Huelse, USMC
Acting Product Group Director, PG 13
Panel Members:
- Mr. Mark Richter
Marine Expeditionary Rifle Squad
 - Mr. William Barnebee
Recon and Amphibious Raids
 - Mr. Eric Miller
Optics and Non-Lethal Systems
 - Lieutenant Colonel Tracy Tafolla, USMC
Infantry Weapons
- 12:00-1:00 PM **Buffet Lunch**

CONFERENCE AGENDA

- 1:00-2:00 PM **Panel: Combat Equipment & Support Systems Product Group (CESS)**
Introduction:
Colonel Edward Smith, USMC
Product Group Director, PG 16
Panel Members:
- Lieutenant Colonel Arthur J. Pasagian, USMC
 Infantry Combat Equipment
 - Mr. Scott Adams
 CBRN Systems
 - Lieutenant Colonel Charles Parton, USMC
 TMDE Systems
- 2:00-2:30 PM **Panel: Independent Program Managers**
Panel Members:
- Brian Kummer, USMC
 Training Systems (TRASYS)
 - Colonel James Braden, USMC
 Robotic Systems
- 2:30-2:45 PM Mr. Jim Shields
Light Weight 155 (PEO LS)
- 2:45-3:00 PM **“The Road Ahead... The Long War”**
Mr. Barry Dillon
Executive Director, Marine Corps Systems Command
- 3:00 PM **Adjourn**

**THANK YOU FOR ATTENDING THE 2008 MARINE CORPS
SYSTEMS COMMAND APBI AT THE HYATT REGENCY
BALTIMORE.**

A conference survey will be e-mailed to you shortly after the conference adjourns. Please help us make future conferences a success and provide us with feedback on how we can improve our services in the future.

Conference proceedings will be posted approximately 2 weeks after the conference. To view these, please visit <http://www.dtic.mil/ndia/2008Marine/2008Marine.html>

Static Displays/Information Booths (All Day/May 13-14)

Product Groups and independent PMs will have static displays. Business managers or operations officers will be manning the displays. They will be able to answer questions and make appointments.

The **corporate** kiosk will be giving out MCSC Command folders, containing the MCSC Strategic Plan, Organizational Chart, and slick sheets for each product group and the independent program managers. The slick sheets will contain the names and phone numbers of **key personnel**.

Corporate – Ms. Gloria Pryor & Ms. Tammy York

PG 09- Ms. Crystal Harmon

PG 11- Ms. Kimberly Foster

PG 13- Mr. Robert Forrester

PG 15- Ms. Wanda McClennan

Defense Acquisition University- Mr. Dave Williams

PM Robotics- Ms. Colleen Setili/Ms. Marylou Cole

PEO Land Systems- Mr. Dave Branham

Expeditionary Warfighting Vehicle- Major O'Brian, USMC

PG 10- Ms. Sandra Switzer

PG 12- Mr. Greg Pardo

PG 14- Ms. Wendy Perry

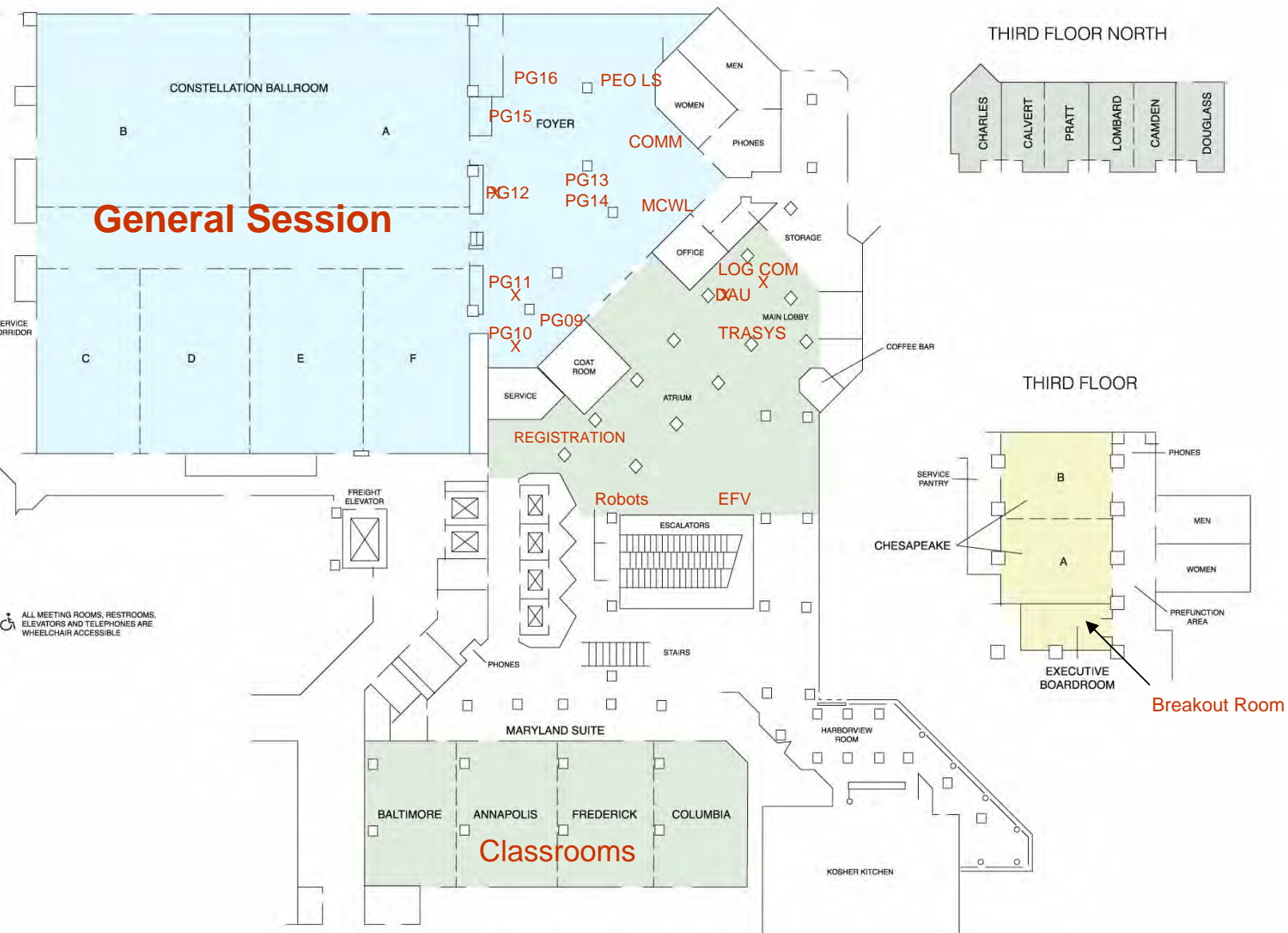
PG 16- Mr. Charles Hall

PM TRASYS- Mr. Robert Roberson

Marine Corps Warfighting Lab- Chuck Jenks

LOG COM- Depot- Ms. Rita D. Merritt/ Mr. Gary Luce

SECOND FLOOR NORTH



SECOND FLOOR SOUTH



WELCOME TO

**2008 MARINE CORPS
SYSTEMS COMMAND
ADVANCED PLANNING BRIEFING TO INDUSTRY**



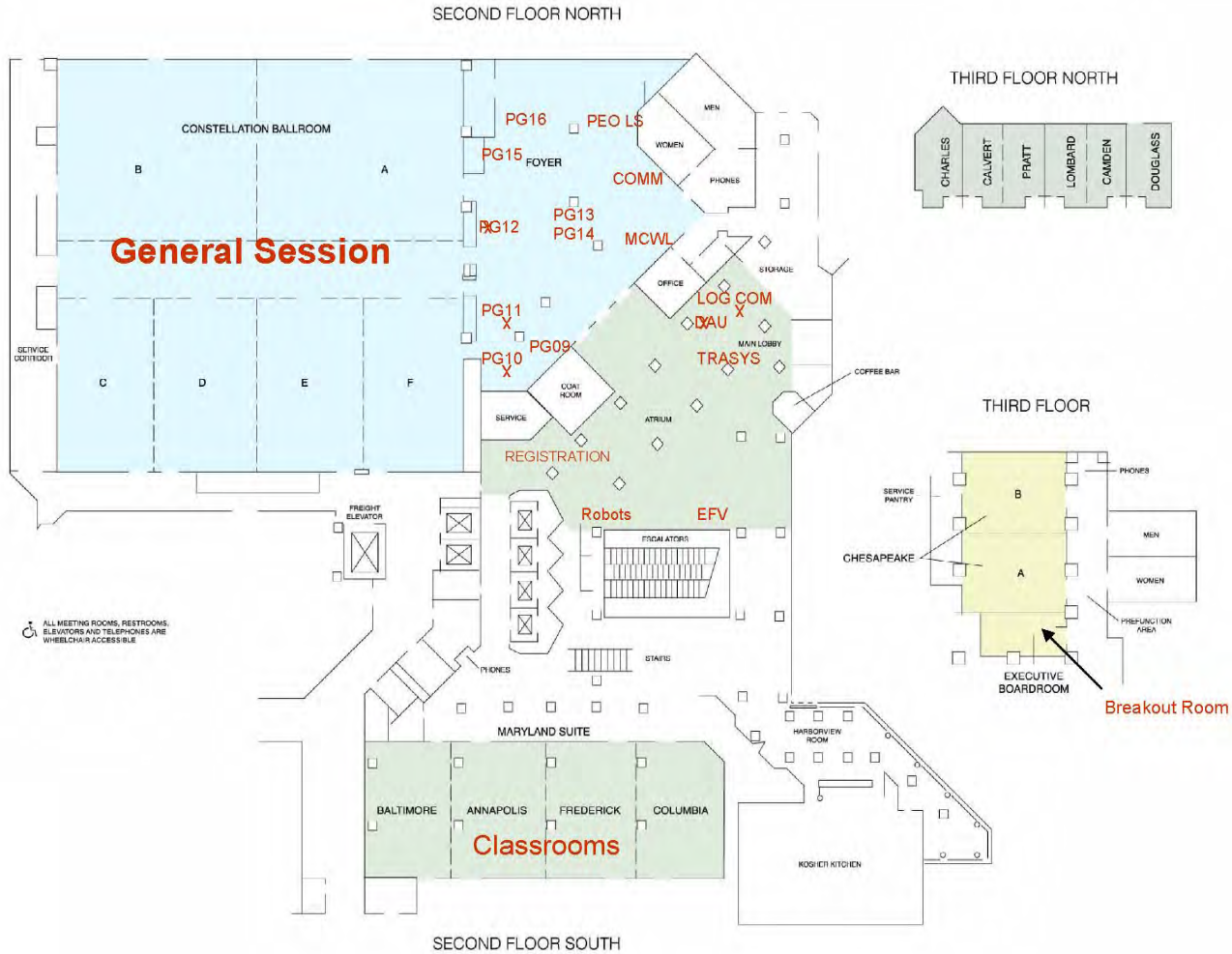
2008 MCSC APBI Theme

***“Equipping the Warfighter to
Win.....Strategy for the Long
War”***

APBI Format

8:00-9:30 AM	General Session
10:00-10:15 AM	Morning Break
10:15-12:30 PM	General Session
12:30-1:30 PM	Lunch
1:30-3:30 PM	General Session
3:30 PM	Adjourn

2008 MCSC APBI Footprint



Administrative Information

- Messages: 443-627-2102
- Lunch: Foyer, Harborview area, Chesapeake A/B, & Bistro 300 (3rd floor)
- Questions about displays? Visit the MCSC Corporate booth
- Workshop Sign-Up: NDIA Registration Desk (max 40 per class)

Administrative Information (cont)

- Emergency Exits
- Cell Phones / PDAs, etc – Silent Mode
- Proceedings – posted to NDIA website
- Questions for Speakers – use card...pass to center aisle
- Follow-on Appointments with Product Groups / PMs– schedule at Product Group booth

Workshops

May 13 and 14

(Schedules in Program Brochure)

Commercial Enterprise Omnibus Support System

Navy Electronic Commerce On-Line

Small Business

International Programs

2008 MCSC APBI

In lieu of the traditional token gifts to invited speakers and panelists, NDIA will be making a donation to the USMC Wounded Warrior Regiment on behalf of the MCSC APBI Speaker Cadre

COMMERCIAL ENTERPRISE OMNIBUS

Support Services



Advanced Planning Briefing to Industry - 2008

Ms. Patricia Mitchell, PMP
Director, ACSS

Ms. Pamela Gulick, PMP
Senior Analyst, ACSS



Discussion Agenda

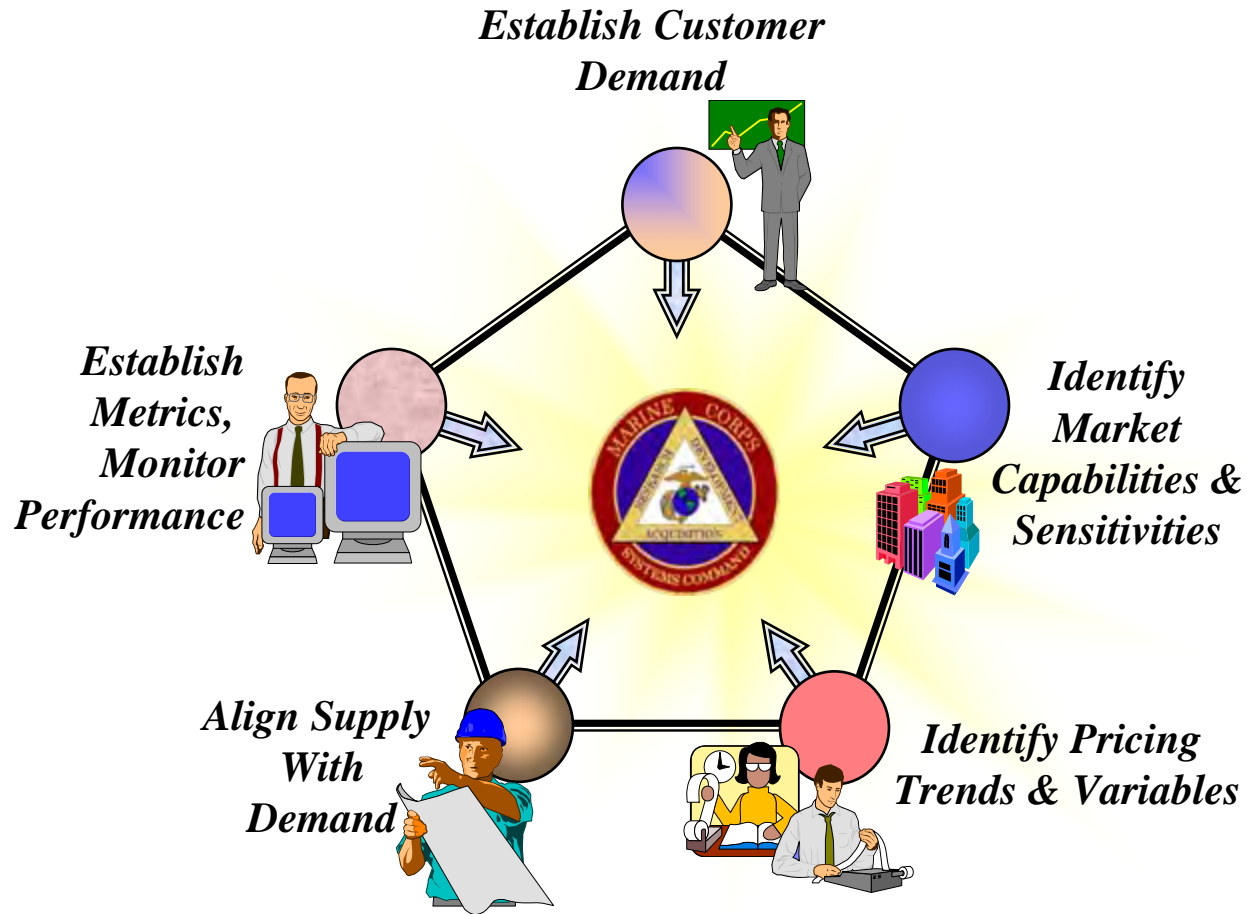


- **Overview of the CEOss Business Model**
- **ACSS Role & Responsibility**
- **Key Business Metrics**
- **eP2 Screen Shots**
- **ACSS Performance**
- **2009 Open Season**

The logo features a central illustration of a wizard with a long white beard, wearing a purple robe and a pointed purple hat with a yellow star. He holds a wand with a yellow star at the tip. The wizard is surrounded by a circular arrangement of business terms: 'Acquisition', 'Strategy', 'Marketing', 'Sales', 'Operations', 'Finance', and 'HR'. Below the wizard, the word 'CEOSS' is written in large, 3D-style letters with a yellow-to-orange gradient.

Overview of the CEOss Business Model

CEOss Business Model





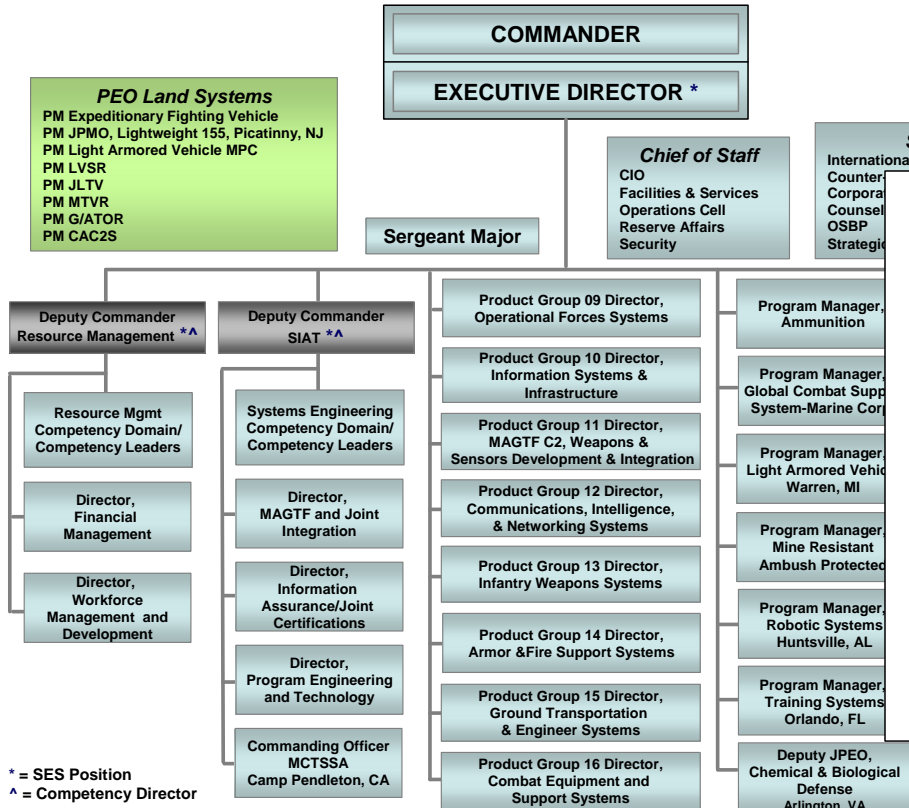
Current MCSC Organization

MCSC Customer Base

- ✓ 1300 Customers
- ✓ \$300M+ Annual Services
- ✓ 30 - Prime Vendors
- ✓ ~200 Participating Firms

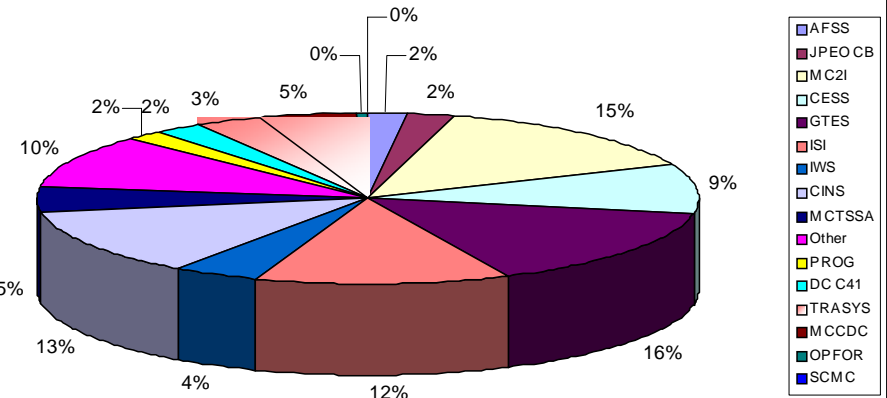


MARCORSYSCOM ORGANIZATION



* = SES Position
^ = Competency Director

FY08 Investment



Updated 3Apr08



Guidance & Objectives

Overarching Procurement Guidance

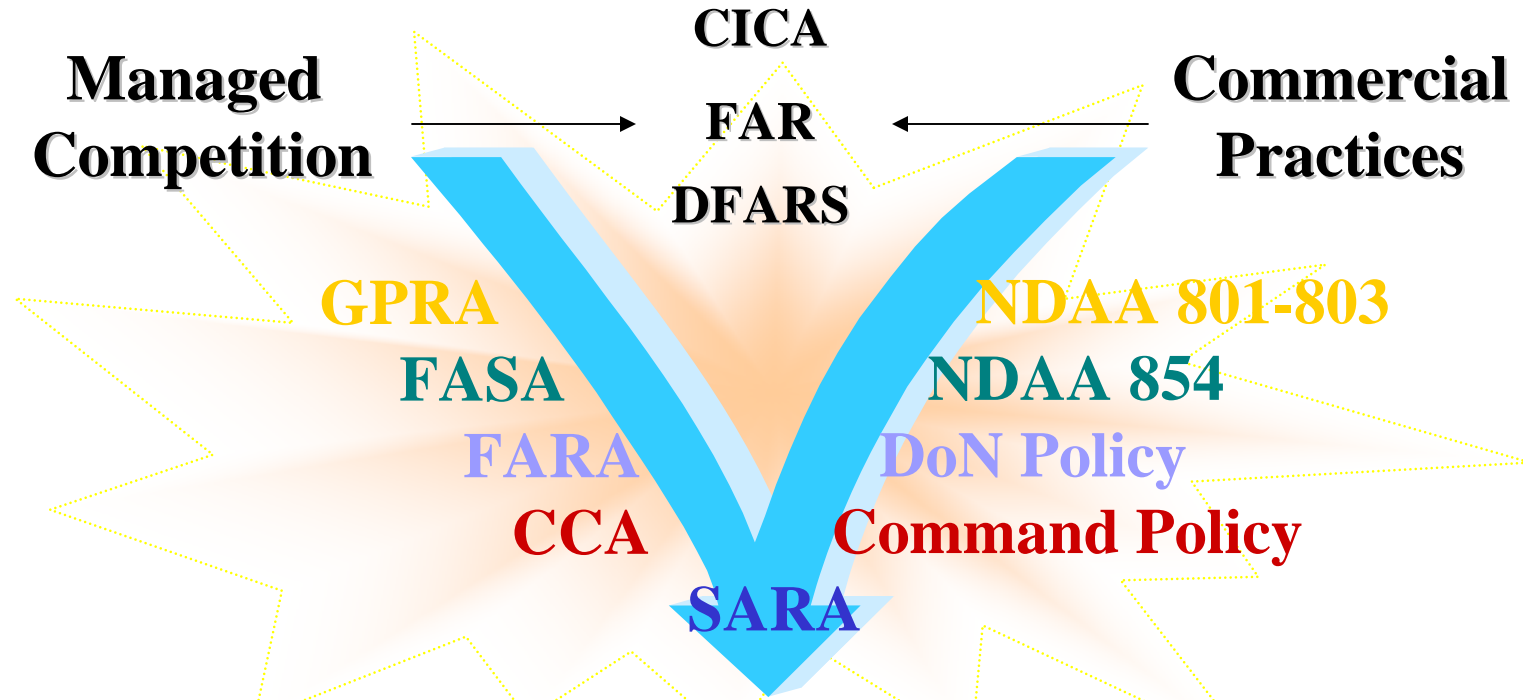
- Focus on the Command Mission - Outcome v. Process
- Future Buying Practices governed by Commercial Rules
- Performance / Results Focus not Control / Oversight
- Leverage Pricing Dynamics of the Marketplace

MCSC Objectives

- Baseline a Command Business Model
- Enhance Competitive Business Climate within the Region
- Reward Performance / Mitigate Risk - Quantify Results
- Customer-centric / Regulatory Compliant



Actions & Process Flow



BPA's are competitively Awarded using “two-step” Process
All Task Orders are competed among Domain Prime Vendors
Price / Performance-based Acquisition Practices Applied
eP² Web-based e-Commerce for Solicitation / Awards
Annual “Open Season” for new Prime Awards



Customer Requirements

- Government Customers

- Operating Efficiency
 - Fast Cycle Time to Award
 - Ease of Use / Availability
 - Strong Vendor Base
- Continuity of Work
- Competition

- Industry Customers

- Operating Efficiency
 - Cash Flow / Capitalization
 - Facilities / Resource Pool
- Market Share
- Continuity of Work
- Dynamic Teaming
 - Unrestricted Relationships
 - Long-Term Strategies
- Commercial Model
 - GSA Rate Schedule
 - Performance Driven

ACSS role – *Harmonious Balance*



*Customer Cycle Time v.
Vendor Profitability*

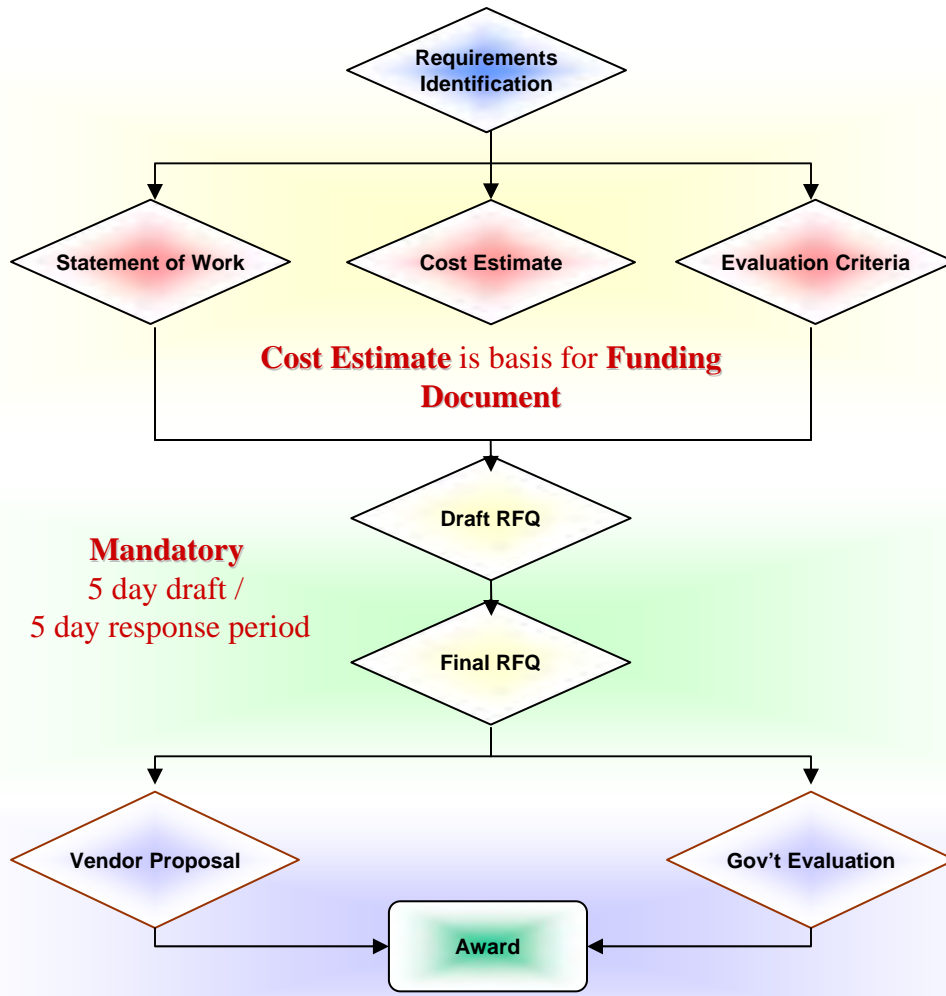
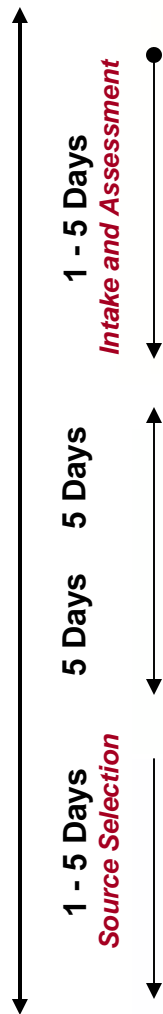




CEOss Customer Process Model

Expedited Award Process

Target Timeline <20 Days



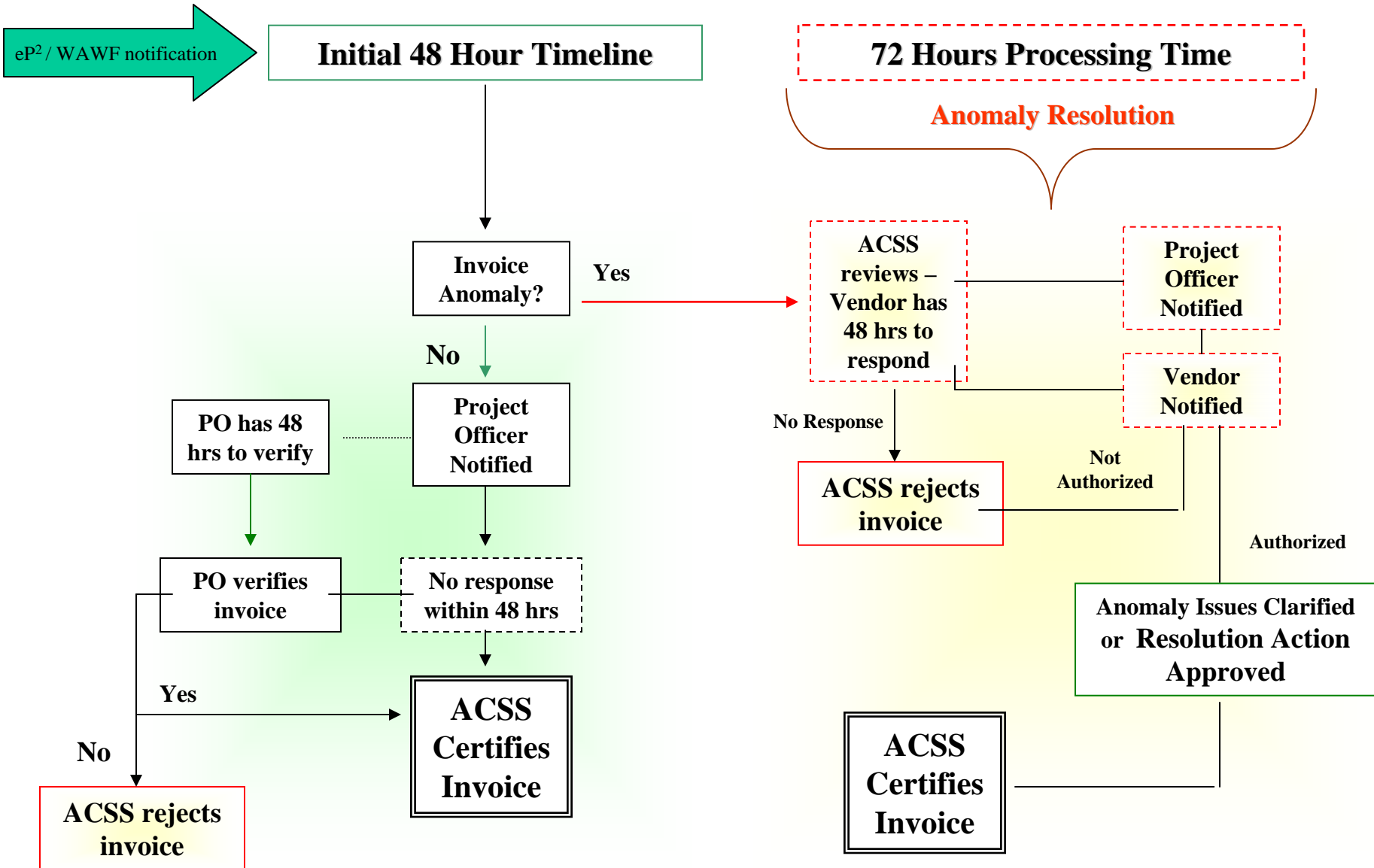
Requirements Definition - Generate Draft Documents

Vendor Q&A - Revisions - Post Final RFQ

Evaluation & Award



CEOss Industry Process Model



ACSS Role & Responsibility

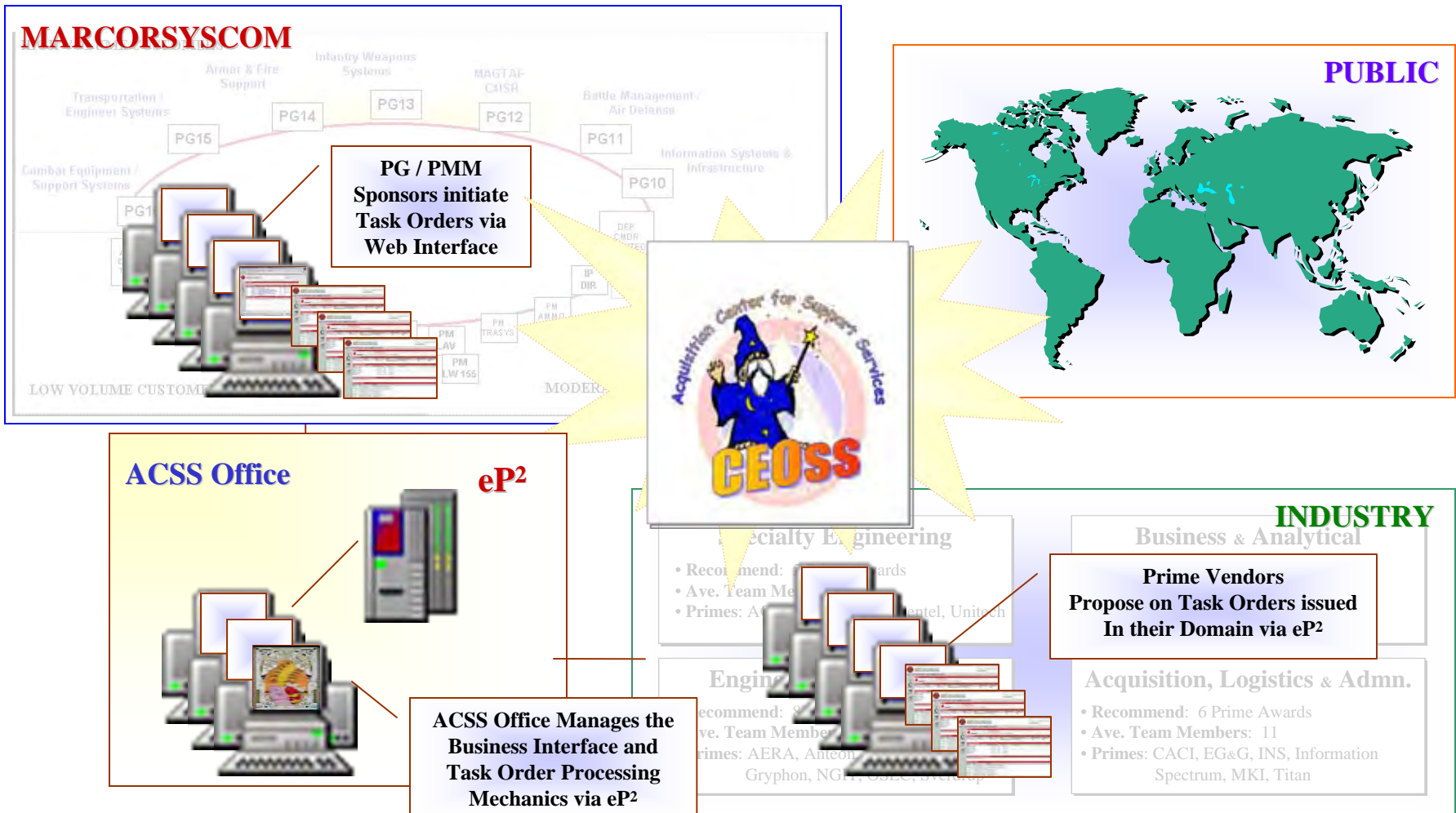


The logo features a central illustration of a wizard with a long white beard, wearing a purple robe and a tall purple hat with a yellow star. He holds a wand with a yellow star at the tip. The wizard is surrounded by a circular arc of text that reads "A Global Earth Observation System of Systems". Below the wizard, the word "GEOSS" is written in large, bold, 3D-style letters. The letters "G", "E", "O", and "S" are yellow, while the final "S" is orange. The entire logo is set against a light blue background.

GEOSS

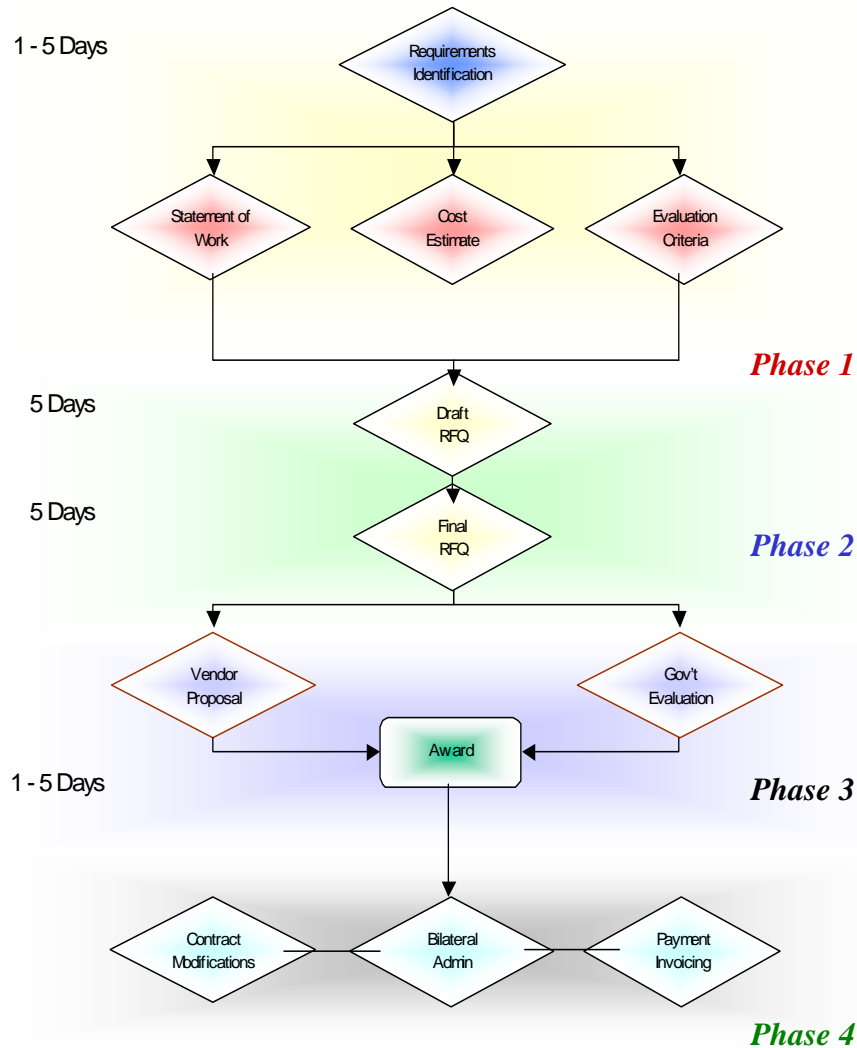


ACSS Interfaces





ACSS Operating Profile



- ✓ Main ACSS Constraint - **Resources**
- ✓ 7 FTEs / 1 1102 Interns / 2 Contractors
- ✓ Ave. 30-hrs. per Task Order
- ✓ High Concentration on Front-end
- ✓ 20-day Timeline is *Optimal*
- ✓ Invoice Processing <5-days
- ✓ DFAS Payment ~27-days
- ✓ Invoice Rejection Rates <.001%



ACSS Staff FY08



ACSS POC	Role	Phone	Email
Patty Mitchell	Director	432.3787	patricia.a.mitchell@usmc.mil
Vicki Whiteman	Lead PCO	432.3773	vicki.whiteman@usmc.mil
Pam Gulick	Lead Analyst	432.3023	pamela.gulick@usmc.mil
Sherri Payne	Program Analyst	432-3962	sherri.payne@usmc.mil
Judith Grant	Program Analyst	432.3784	judith.grant@usmc.mil
Heidi Hubbell	Contract Specialist	432.3808	heidi.hubbell@usmc.mil
Berniece Washington	Contract Specialist	432.3805	berniece.washington@usmc.mil
Cynthia Washington	Contract Specialist	TBD	cynthia.l.washington@usmc.mil
David Riley	Contract Specialist	432.3781	david.riley.ctr@usmc.mil
Michael Richards	Contract Specialist	432.4161	michael.a.richards@usmc.mil
Kristin Gomez	Program Control Specialist	432.3793	kristin.gomez.ctr@usmc.mil



CEOss Domain Competencies

DOMAINS

Specialty Engineering

- ☑ 874 – MOBIS
- ☑ 871 – Engineering Services
- ☑ 899 – Environmental Services
- ☑ 70 – IT Services & Support
- ☑ 873 – Lab Testing & Analysis

Business & Analytical

- ☑ 874 – MOBIS
- ☑ 520 – Financial / Business
- ☑ 69 – Training Services

Engineering & Scientific

- ☑ 874 – MOBIS
- ☑ 871 – Engineering Services
- ☑ 70 – IT Services & Support

Acquisition, Logistics & Admin

- ☑ 874 – MOBIS
- ☑ 874 V - LOGWORLD
- ☑ 871 Engineering Services

- ✓ Qualifying GSA Schedules for Prime Vendors / Selective for Teammates
- ✓ No Restrictions on Team Member Schedules within Domains
- ✓ “Open Season” - Modify Domains / Adjust Incumbent Teams & Rates



CEOss FY08 Domain Players

Results by Domain (year to date)

Specialty Engineering

- **FY08 Base:** 8 Prime Awards
- **Awards:** 26 TO's / ~\$35.8M
- **Ave. Team Members:** 17
- **Primes:** AT&T, Battelle, CSC, EMA
MTC, Stanley, TSC, Unitech

Business & Analytical

- **FY08 Base:** 5 Prime Awards
- **Awards:** 14 TO's / ~\$16M
- **Ave. Team Members:** 16
- **Primes:** BAH, Kalman, MCR, Serco, Tecolote

Engineering & Scientific

- **FY08 Base:** 9 Prime Awards
- **Awards:** 33 TO's / ~\$86.6M
- **Ave. Team Members:** 18
- **Primes:** BAE, Centurum, DCS, GDIT, Jacobs,
NGDMS, OSEC/QinetiQ, SAIC, Sapient

Acquisition, Logistics & Admn.

- **FY08 Base:** 8 Prime Awards
- **Awards:** 36 TO's / ~\$90.3M
- **Ave. Team Members:** 16
- **Primes:** Columbia Group, DTI, EDO, EG&G,
INS/LM, Logis-Tech, ProSol, Titan L3

30 Prime Vendors / 202 Participating Firms



Specialty Engineering

Specialty Engineering							
AT&T	Battelle	CSC	EMA	MTC Technologies	Stanley	TSC	UNITECH
American Systems	ATK Mission	Alion	Alion	ABS Consulting	BAH	American Systems	CACI
BAH	BAH	Apogen/OSEC	AMSEC	BAE	DRS	ATSC	DEA
Centurum	Chenega	Auroros	Apogen/OSEC	CoTs	EG&G	Camber	GISi
Concurrent Tech.	CRC	BAE	DCS	CTC	GDIT	Chenega	Info-Reliance
Dimensions Int.	GDIT	BAH	EDO	Davis Defense Group	HCI	GDIT	Logis-Tech
DLT Solutions.	IntePros	CBAIA	E-OIR	EG&G	InfoReliance	IIC2	ManTech SRS
EDO	Kalman	COTS	GDIT	GDIT	IRTECH	Logis Tech	ProSol
Exeter	MTS	Dataline	JRAD	IBM	JTH	MCR	Sapient
Flatter Assoc.	Patricio Enterprises	ESN	MCR Federal	NSSS	LM	MKI	Sharpshooter
Gould & Assoc.	RNB	Expert Choice Inc	MTC Services	ORSA	MiITec	Portal Dynamics	SRA
Logis-Tech	SPA	Flatter Assoc.	SAIC	SabreSystems	Raytheon	SAIC	TMG
MCR	Tecolote	GDIT	Survice	Serco	Sigma Tech	SciTech	
Morgan Mgmt & Tech.		Innovative Decisions	Titan/L3	SimVentions	Techrizon	SRA	
NGDMS		IR-Technologies	Web Business Solution	Sparta	TMI		
Perot Systems		Jacobs Technology		Versar	Tetrad Digital Integrity		
Quadelta, Inc.		Kforce			WBB Consulting		
QualTech		MDA Tech					
R-TSI		Metastorm					
Sapphire Govt. Tech.		MKI					
Titan/L3		Patricio Enterprise					
IR Tech		RNB					
		Sidereal Solutions					
		Smartronix					
		TEKSystems					
		Transformation Syst.					
		Vitech					
22	13	27	15	16	17	14	12
				SE Average → 17			



Engineering & Scientific



Engineering and Scientific								
APOGEN/OSEC	BAE	Centurum	DCS	GDIT	Jacobs	NGDMS	SAIC	Sapient
Advantage Dev.	Alion Science & Technology	ARINC	Columbia Group	Battelle	BAH	American Systems	AT Solutions	Decision Engineering
Alion	BAH	Asynchrony	Delta	CoTs	CSC	AT&T	BAH	Flatter & Assoc.
BAH	Cherokee Information Systems, Inc.	AT&T	EDO	CSC	DRC	BAH	Camber	INS LM
CanGen	CSC	BAH	EG&G	Davis Defense	Dynetics	Bulldog	EG&G	Keane
CSC	DRS Technologies	Bearing Point	EOIR	Innovative Decisions Inc.	Columbia Group	CTC	CTC	Next Century
Digital Fusion	DTI	CACI	Gryphon Technologies	Kalman	IR Tech.	EDO	EMA	Professional Solutions
EG&G	EG&G	Dataline	JTH Goup	Titan/L3	JRAD	EG&G	EOIR	Raytheon TSC
EMA	Kalman	EDO	Keane Federal	MCR	Kalman	EMA	Flatter Assoc.	SERCO
I3Tech Data Solutions	L-3 Titan	EG&G	L-3 Titan	MKI	LOGIS-TECH	Flaggshipp	IMPACT	SNVC
Kalman	LMINS	EMA	Patricio Enterprises	MTC Technologies	MCR	GNS	JRAD	SRA
Logis-Tech	MTC Services Corporation (MTCSC)	Epsilon	SURVICE Engineering	MTS Technologies, Inc.	MKI	IR Tech	MCR	STF
MTC Services	MTC Technologies, Inc.	MKI	SYColeman	SCCI	NATC	MKI	MKI	UNITECH
RNB	OPTEMPO	RNB	Wyle Labs	SFA	Survive	PDS	NATC	
Sidereal Solutions	Sayers & Associates	STF, Ltd		Sierra Cybernetics	Fibertek	RNB	Professional Solutions	
Skylla Eng.	Shee Atika	WBSI		Smartronix		SRA	Sanderling	
Smartronix	TAIC			SRC		TAIC	SimVentions	
Titan/L3	Tecolote Research			Stanley Assoc.		L-3 Titan	Skylla	
Westar				Tecolote Research			SRA	
				TSC			Strategic Insight	
							Survive	
							Columbia Group	
							TSC	
19	18	16	14	20	15	18	23	13
						ES Average	→ 17	



Acquisition, Logistics & Administrative

Acquisition, Logistics and Admin								
Columbia Group	EDO	EG&G	INS/LM	Logis_Tech	MKI	L3 - Titan	DTI	Professional Solutions
Agility	Alion	Alion	BAE Systems	American System Corp	BAH	American Systems	Alpha Scientific Laboratories	Allen
BAH	AT&T	Apogen/OSEC	CACI	Apogen	Camber	Apogen/OSEC	BAE Systems	CoTs
Battelle	Bradson Corp.	BAE	Concurrent Technologies (CTC)	AT&T	Coalescent	AT&T	DELTA Resources Inc.	DEA
Bearing Point	CALIBRE	BAH	CoTs	Dimensions	CSC	BAE	Envisioneering, Inc.	Exeter
Coalescent Tech	Centurum	CACI	Cubic Applications, Inc.	EIOR Technologies	Farfield Systems	BAH	Grant Thorton,LLP	JBM
DCS	Davis Defense Grp.	CentTauri Solutions	Global Service and Trade	IR Technologies	GDIT	Camber	Innovative Logistics Techniques	SAIC
DELTA	DCS	Centurum	Keane Federal	Jacobs Sverdrup	IICorps	DCS	Millennium Engineering and Integratio	Sapient
GBS	EMA	Concurrent Technologies	Labblee	MCR Federal	Jacobs Sverdrup	Decision Engineering	Perot Systems	Unitech
Jacobs Eng.	Gould & Associates	DCS	RNB Technologies	Corporation	JTH Group	EMA	Systems Planning and Analysis	VISITRONIX
Keane	Group W, Inc.	Decision Sciences	Sapient	Sabre Systems Inc	Kalman	GDIT	Technical Systems Integration	
PDSI	PDSI	DELTA Resources, Inc.	Smartronix	SAIC	NATC	NGDMS	Vangent	
Reger Group	RNB	DRS/Radian	SRA	TSC	Patricio Enterprises	OPTEMPO	WFI Government Services	
SAIC	RNB Technologies	E-OIR Tech	BAH	UNITECH	PDSI	Patricio	Whitney, Bradley & Brown	
SERCO	Robbins Gioia	Gryphon Technologies	Cubic Applications, Inc.	VSE Corporation	RTI	Phillips Defense Systems Inc		
Survice	SERCO	JTH Group			SAIC			
VSE	Wyle Laboratories	MTC Technologies			SERCO			
		NGDMS			SURVICE			
		OPTEMPO			TSC			
		SAIC						
		SERCO						
		Stanley Assoc.						
		Synthesis Partners						
		Tech-Marine Business Inc.						
		Transformation Systems Inc.						
		Whitney, Bradley, & Brown						
17	17	26	15	15	19	15	14	10
							ALA Average	15



Business & Analytical

Business and Analytical				
BAH	Kalman	MCR Federal	SERCO	Tecolote
Alion Science	ANSER	Aerotek	ASC	Alion Science and Technology
AT&T	Apogen/OSEC	AT&T	CoTS	Battelle
BAE	BAE	Bradson Corporation	Columbia Group	GDIT
Camber	Battelle	CACI	EDO	IDI
Centurum	Camber	EMA	EDS	L3 (GSI)
Apogen	Coalescent Tech	Galorath	EG&G	MKI
CSC	EAI Corporation	GDIT	MKI	Robbins Gioia
EG&G	GDIT	Jacobs Technology	MTC	Stanley Associates, Inc.
Flatter Associates	Jacobs Sverdrup	KPMG	NSI	Concurrent Technologies
IDI	JRAD	Logis-Tech	RGS Associates	Data Solutions & Technology Incorporated (DST)
INS-LM	LMI	Professional Solutions, LLC	SABRE Systems	Engineering, Management & Integration Inc. (EM&I)
Jacobs	MKI	Sabre	Sapient	Perot Systems Government Services
L3/Titan	Patricio Ent.	SAIC	SRA	
MKI	Schafer	SRA		
MMTS	SITE	TSC		
Northrop Grumman	Sparta			
RGS				
SAIC				
SCCI				
Smartronix				
Twin-Soft				
22	17	16	14	13
BA Average				16



CEOss BPA Teaming

DOMAINS

Specialty E

*Notional –
9 Prime Awards*

Business & Analytical

Acquisition, Logistics &

*15 - 20 Teammates
cover all domains*

Engineering &
Scientific

VENDORS

P₂

P₁

Acq / Log / Admn

Business & Analysis

Sply Engineering

SubK₅

SubK₃

SubK₂



Key Business Metrics



CEOss Results

through April 2008



Grand Total CEOss Business to Date+		
ALA	233	\$406,016,865
BA	114	\$105,193,477
ES	241	\$472,643,098
SE	183	\$207,590,614
	<u>771</u>	<u>\$1,191,444,055</u>
+Does not include Modifications		

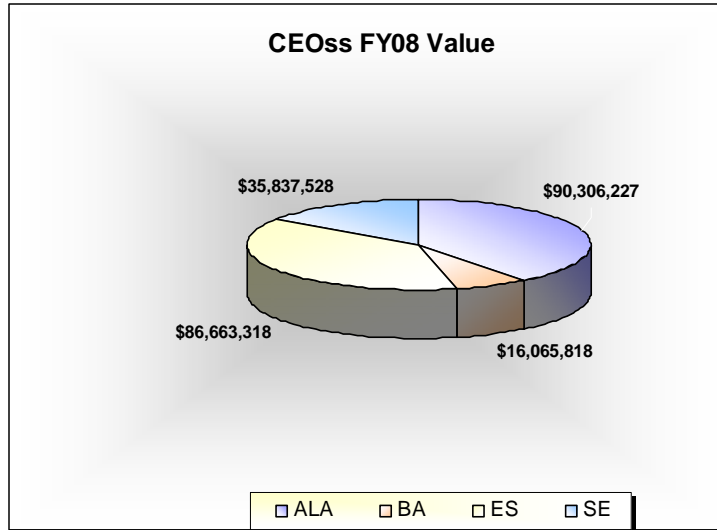
<u>FY07</u>			
ALA	55	26%	\$97,102,929
BA	40	19%	\$34,290,517
ES	65	31%	\$101,185,978
SE	50	24%	\$64,107,158
G/Total	210		\$296,686,583
<u>FY08</u>			
<i>through April 2008</i>			
ALA	36	33%	\$90,306,227
BA	14	13%	\$16,065,818
ES	33	30%	\$86,663,318
SE	26	24%	\$35,837,528
G/Total	109		\$228,872,891

- Expect Annual Volume of ~220 Tasks
- FY08 Competition Levels < Anticipated
 - On average, 3 offers per TOPR
 - Out of 40 task orders, 11 have less than 3 bidders
- Winning Scores >.82 Across Domains

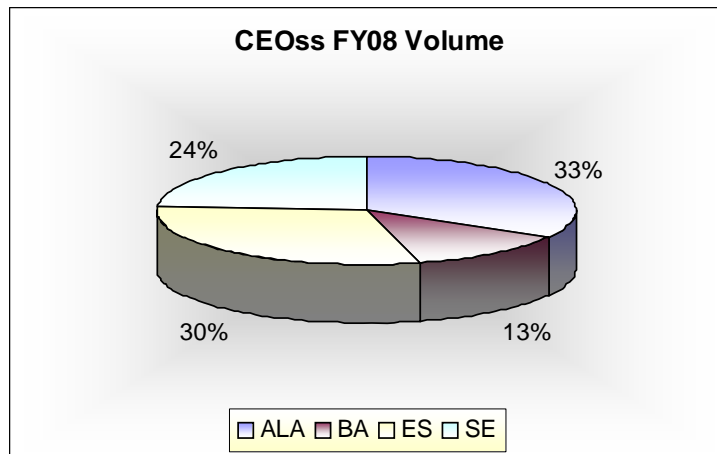


CEOss FY08 Volume

through April 2008



- Value is Ahead of FY07
- Likely to continue throughout the FY



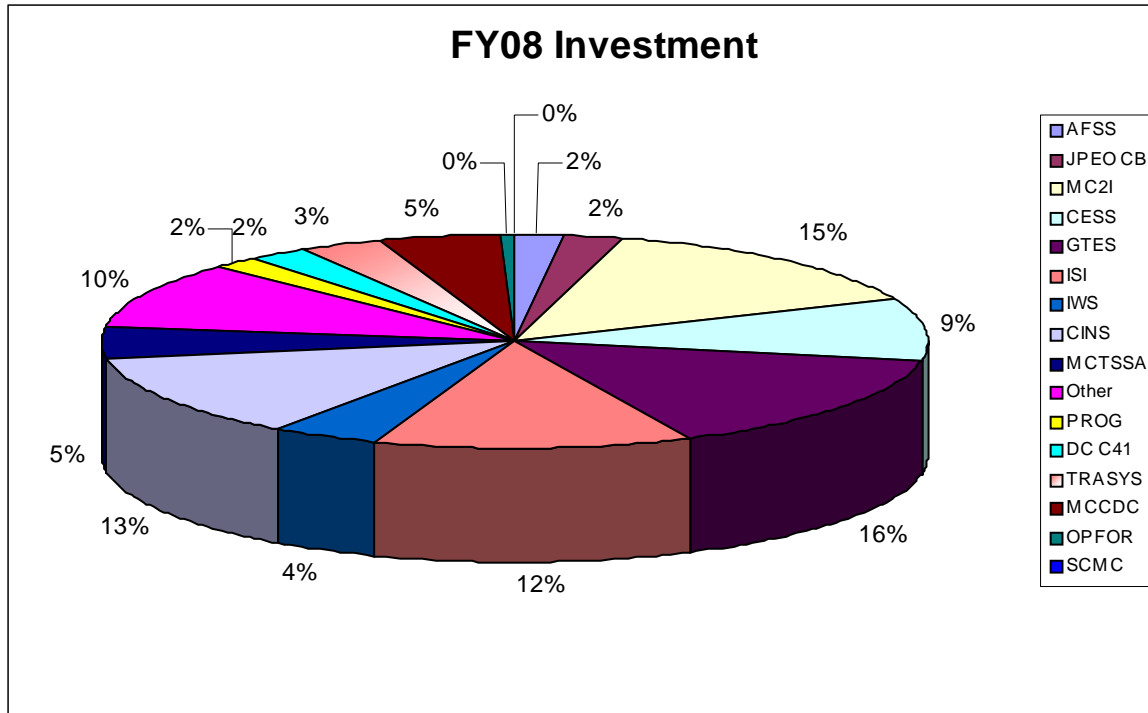
- Task Order Volume is Ahead of FY07
- More External Customers Involved



CEOss Award Distributions



Command Investment Percentages

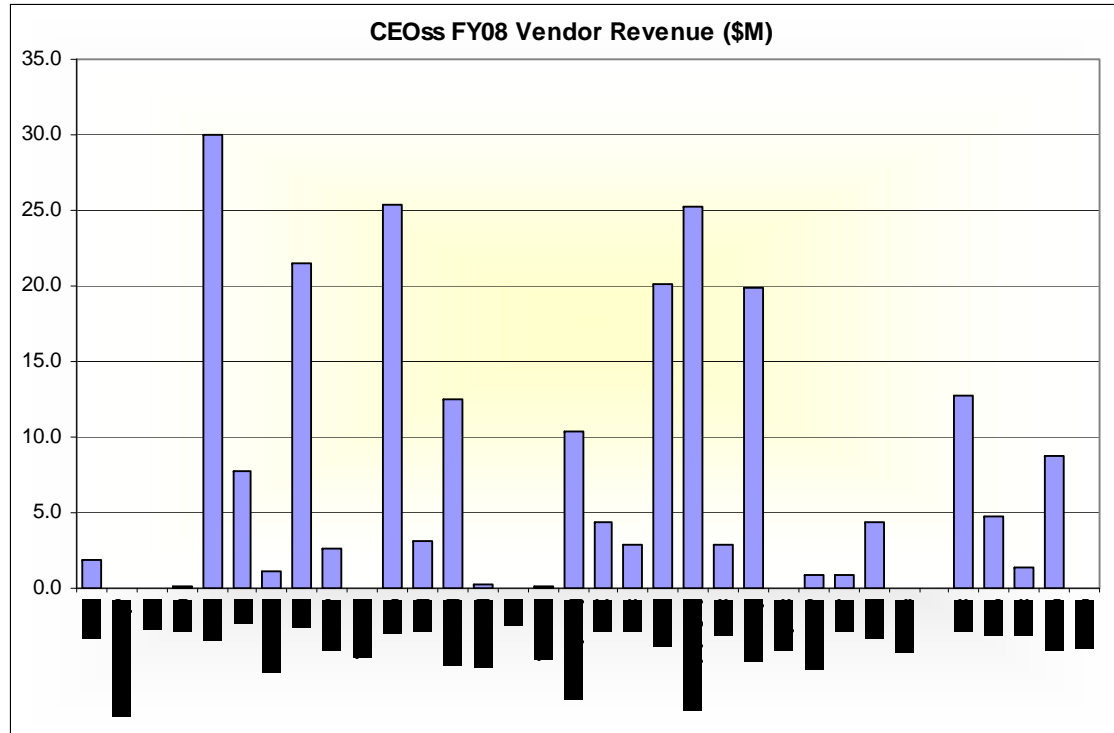


Office	Invest
AFSS	\$4,650,494
JPEO CB	\$4,850,254
MC2I	\$32,934,635
CESS	\$21,402,909
GTES	\$34,965,299
ISI	\$28,547,476
IWS	\$9,031,888
CINS	\$29,537,636
MCTSSA	\$10,711,700
Other	\$23,202,927
PROG	\$4,466,821
DC C41	\$4,809,659
TRASYS	\$7,650,824
MCCDC	\$11,077,763
OPFOR	\$818,704
SCMC	\$213,902



CEOss FY08 Market

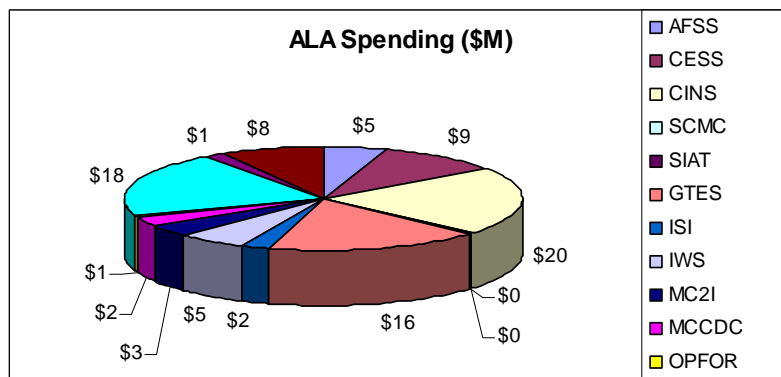
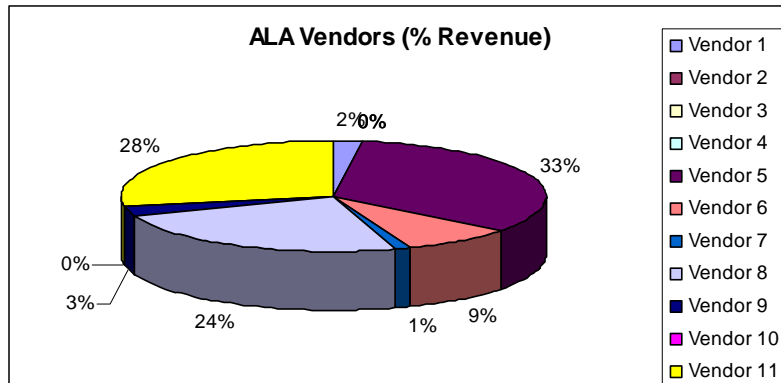
Customer / Vendor



Domain	Ave. Score	Ave. Winning Score	Competition Per TO
ALA	86	94	33%
BA	86	96	71%
ES	85	95	35%
SE	72	92	39%



CEOss ALA Domain Business Volume



- \$90.3M invested (ytd)
- 36 Task Orders
- 35% avg bid rate
- 86% avg proposal score
- 8% avg discount rate
- \$89.30 avg domain rate
- 2% Small Business
- Ave winning score of 94
- 3 Firms control ~85% of ALA work in FY08



ALA Task Orders

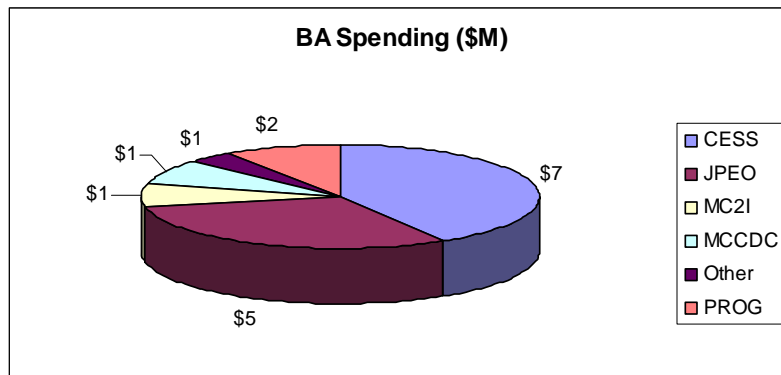
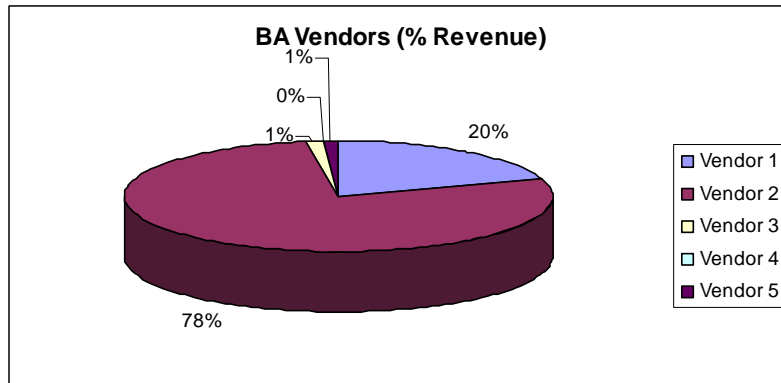
Historical Priorities



PG 11 - MC2I	Renewal: Marine Air Command & Control Transformation Analysis	MKI Systems	\$958,006	1/24/2008
CMC	Magazine/Writer/Proofreader	Professional Solutions, LLC	\$213,902	1/25/2008
PG14 - AFSS	Renewal: AFSS Manpower, Personnel & Training Analysis Support	MKI Systems	\$196,000	1/28/2008
DC,C4/I	Renewal: Renewal: Renewal: SCATT Annual Support	MKI Systems	\$59,857	1/31/2008
PG16 - CESS	Renewal: Renewal: TMDE CTMS Annual Support	EG&G Technical Services	\$852,635	2/5/2008
TRASYS	Renewal: Renewal: PM TRASYS Annual Support	MKI Systems	\$7,650,824	2/7/2008
PG10 - ISI	Renewal: GCSS-MC Logistics Integration Support	LOGIS Tech	\$917,402	2/11/2008
PG15 - GTES	Renewal: Renewal: Expeditionary Power Systems Annual Support	MKI Systems	\$2,453,580	2/12/2008
AC_PROG	EBA Management Support	EDO Professional Services	\$158,498	2/14/2008
PG15 - GTES	Renewal: PM MRAPS Program Office Support	EG&G Technical Services	\$11,267,986	2/19/2008
PG 11 - MC2I	Albany On-Site Log & Liaison	L-3 Titan	\$537,353	2/19/2008
Other Activity	Renewal: Renewal: ACLOG Annual Support	MKI Systems	\$1,593,845	2/21/2008
PG15 - GTES	Warranty Analysis Support	Information Network Systems, Inc.	\$328,999	2/21/2008
PG 11 - MC2I	MC2S Logistics Annual Support	L-3 Titan	\$1,873,755	3/13/2008
PG10 - ISI	Renewal: Renewal: TFSMS PO Support	Information Network Systems, Inc.	\$969,000	3/19/2008
PG13 - IWS	Anti Armor Fielding Support	L-3 Titan	\$3,357,015	3/19/2008
PG13 - IWS	Renewal: Renewal: Renewal: Optics and Non-Lethal Weapons Support	Columbia Research Corporation	\$1,905,282	3/26/2008
PG 12 - CINS	PG 12 - Communications, Intelligence and Networking (CINS)	L-3 Titan	\$19,667,562	3/27/2008
Other Activity	HQ I&L Logistics Modernization Liaison	Information Network Systems, Inc.	\$3,401,560	4/3/2008
PG 9 OFS	Renewal: OPERATIONAL FORCES SYSTEMS ANNUAL SUPPORT	MKI Systems	\$1,120,271	4/7/2008
MCCDC	CIWOC Support OP	Professional Solutions, LLC	\$2,394,365	4/15/2008
AC_PROG	Renewal: Acquisition Billet Survey & MOS Career Map	MKI Systems	\$271,930	4/28/2008



CEOss BA Domain Business Volume



- \$16M Invested (ytd)
- 14 Task Orders
- 80% avg bid rate
- 86% avg proposal score
- 5% avg discount rate
- \$97.55 avg domain rate
- 0% Small Business (no SB primes in this domain)
- Ave winning score of 96
- 2 Firms control ~98% of work effort within BA to date



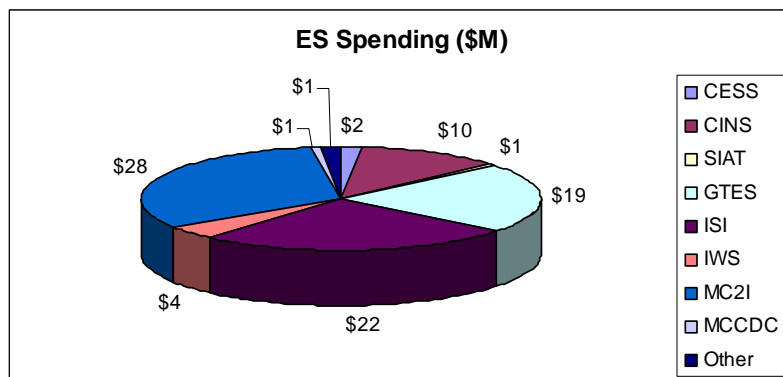
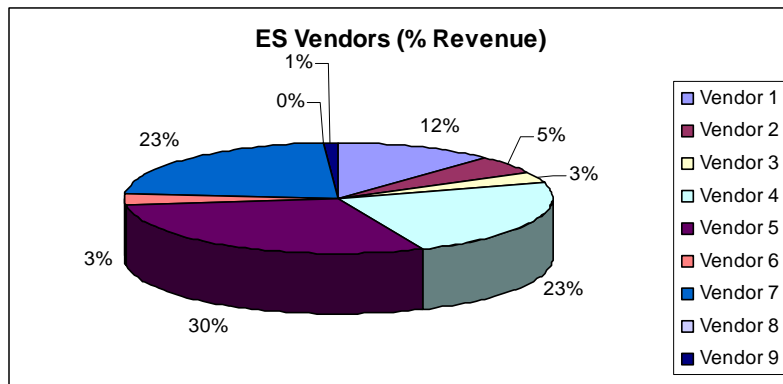
BA Requirements

Historical Priorities

AC_PROG	JLTV LCCE	Booz-Allen, Hamilton	\$389,000	10/5/2007
AC_PROG	NECC LCCE	Booz-Allen, Hamilton	\$219,486	10/31/2007
MCCDC	CBRN Support	Kalman & Company	\$988,610	12/7/2007
PG16 - CESS	Renewal: Renewal: NBCD Business & Analytical Support	Kalman & Company	\$2,325,230	12/14/2007
MCCDC	Renewal: Renewal: MAGTF JCIDS Integration	Serco, Inc.	\$250,000	12/18/2007
MCCDC	UAS FOS Cost Study	Booz-Allen, Hamilton	\$249,136	1/25/2008
PG16 - CESS	Renewal: Business Analysis Support for PM ICE CESS	Kalman & Company	\$4,419,113	1/28/2008
PG 11 - MC2I	Renewal: Ground/Air Task Oriented Radar (G/ATOR) LCCE	MCR Federal	\$225,026	2/5/2008
Other Activity	Renewal: Renewal: eHQM Business Process Analysis	Booz-Allen, Hamilton	\$600,000	2/15/2008
AC_PROG	HMMWV Life Cycle Optimization Analysis	Booz-Allen, Hamilton	\$359,963	3/12/2008
AC_PROG	JCTI-G Analysis Support	Tecolote Research	\$76,650	4/1/2008
AC_PROG	Renewal: Mission Payload Module Non-Lethal Weapon System BCA	Booz-Allen, Hamilton	\$384,408	4/2/2008
PG 11 - MC2I	MC2I SBT Support	Booz-Allen, Hamilton	\$2,034,330	4/3/2008
JPEO CBD	JPEO JEAP Annual Support	Kalman & Company	\$4,850,254	4/10/2008
AC_PROG	LVSR LCCE Analysis Support OP	Tecolote Research	\$89,295	4/17/2008



CEOss ES Domain Business Volume



- \$86.6M Invested (ytd)
- 33 Task Orders
- 38% avg bid rate
- 82% avg proposal score
- 11% avg discount rate
- \$89.94 avg domain rate
- 1.4% Small Business
- Ave winning score of 95
- 3 Firms control ~76% of work effort within ES to date



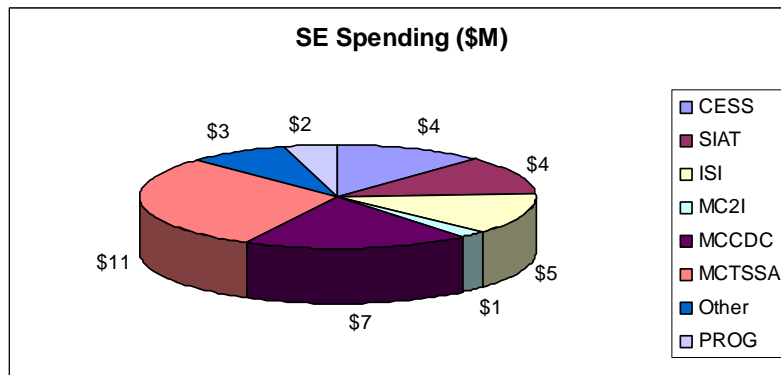
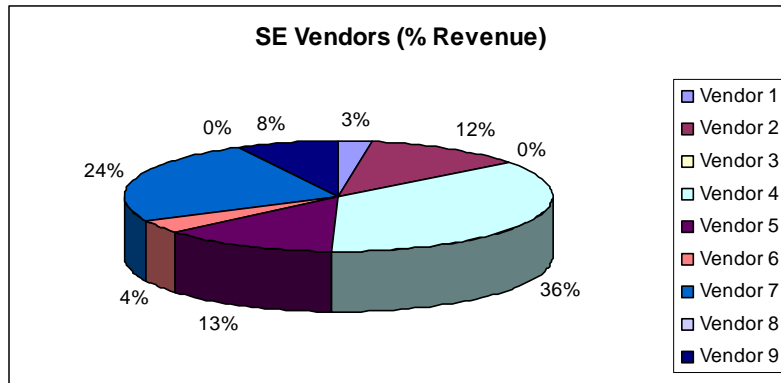
ES Requirements

Historical Priorities

PG15 - GTES	JLTV Program Support	Science Application International Corp	\$2,078,016	12/10/2007
PG13 - IWS	Renewal: Recon and Amphibious Raids	BAE Systems	\$3,769,591	12/14/2007
PG15 - GTES	PM Engineers Annual Support	Northrop Grumman Defense Mission Systems	\$12,928,699	12/17/2007
PG10 - ISI	Renewal: GCSS-MC FY06 Program Support	Northrop Grumman Defense Mission Systems	\$2,967,074	12/20/2007
PG15 - GTES	Renewal: MT Fleet Support	Jacobs Technology	\$4,088,000	12/28/2007
PG 11 - MC2I	Training, Testing and Fielding for BFSA	Ocean Systems Engineering Corp.	\$1,408,435	1/3/2008
DC,C4I/I	Renewal: IA and JR Supplemental Support	Northrop Grumman Defense Mission Systems	\$507,135	1/16/2008
PG10 - ISI	Renewal: Defense Message System Annual Support	Northrop Grumman Defense Mission Systems	\$3,072,052	1/22/2008
PG16 - CESS	Renewal: Combat Camera Program Support	Centurum Information Technology, Inc	\$884,460	1/30/2008
PG 11 - MC2I	Battlespace Management Team Support	General Dynamics Information Technologies, Inc	\$611,414	2/4/2008
Other Activity	Reliability Centered Maintenance	DCS Corp.	\$949,414	2/15/2008
PG15 - GTES	Renewal: E3CP Support for JAB and ABV	General Dynamics Information Technologies, Inc	\$27,500	2/27/2008
PG 11 - MC2I	Tactical Tier I/II UAS Technical Analysis	Ocean Systems Engineering Corp.	\$1,000,000	3/7/2008
PG10 - ISI	Renewal: PM MCNIS NMCI Sustainment Support	Jacobs Technology	\$9,436,475	3/14/2008
PG 11 - MC2I	Renewal: NECC CPMO Support	DCS Corp.	\$891,616	3/14/2008
PG 12 - CINS	CINS Annual Support	Ocean Systems Engineering Corp.	\$10,020,074	3/27/2008
PG16 - CESS	Renewal: AN/TSM 214A Engineering Support	BAE Systems	\$660,455	4/1/2008
PG10 - ISI	Theater Medical Information Program OP	DCS Corp.	\$600,388	4/10/2008
PG10 - ISI	MCEITS Systems Engineering and Test Support OP	Ocean Systems Engineering Corp.	\$2,924,156	4/15/2008
PG10 - ISI	Renewal: PM MCNIS Annual Support	Jacobs Technology	\$6,365,500	4/17/2008
PG10 - ISI	Renewal: TEAT Program Support	Northrop Grumman Defense Mission Systems	\$2,425,000	4/17/2008
DC,C4I/I	DC, SIAT Support OP	Ocean Systems Engineering Corp.	\$9,360,439	4/23/2008
PG 9 OFS	PG OFS - IUID Support OP	General Dynamics Information Technologies, Inc	\$3,259,245	4/23/2008



CEOss SE Domain Business Volume



- \$35.8M Invested (ytd)
- 26 Task Orders
- 40% avg bid rate
- 73% avg proposal score
- 11% avg discount rate
- \$97.02 avg domain rate
- 0% Small Business (no SB primes in this domain)
- Ave winning score of 92
- 3 Firms control ~73% of work effort within SE to date



SE Requirements



Historical Priorities

PG16 - CESS	Renewal: Joint Biological Tactical Detection System Support	Technology Service Corporation	\$817,328	1/7/2008
PG16 - CESS	Renewal: Renewal: Automatic Test System Support	Modern Technologies Corporation	\$1,341,937	1/11/2008
DC,C4/I	MCSC Safety Support	Eagan, McAllister Associates, Inc	\$3,730,436	2/1/2008
MCCDC	Renewal: Renewal: Renewal: MAGTF C2 CONOPS Development	Universal Systems & Technology, Inc.	\$515,000	2/6/2008
Other Activity	PM AAA Enterprise Arch and Workflow Application Maint	Technology Service Corporation	\$874,612	2/11/2008
DC,C4/I	Modeling and Simulation	Eagan, McAllister Associates, Inc	\$492,493	2/15/2008
MCCDC	Renewal: CREW and EOD Support	APPLIED ORDNANCE TECHNOLOGY INC	\$608,572	3/5/2008
MCCDC	Renewal: Assault Support ICD	Technology Service Corporation	\$114,995	3/6/2008
PG16 - CESS	Renewal: Renewal: Autonomic Logistics & Electronic Maintenance Support System	Universal Systems & Technology, Inc.	\$2,126,394	3/6/2008
PG16 - CESS	Renewal: Renewal: Expeditionary Biological Detection - ATD	Computer Sciences Corp.	\$195,490	3/7/2008
MCCDC	Tier II UAS CPD	Eagan, McAllister Associates, Inc	\$550,000	3/11/2008
MCCDC	College of Continuing Education	Universal Systems & Technology, Inc.	\$3,544,635	3/18/2008
PG10 - ISI	Renewal: Renewal: AC&TI Lab Support	AT&T Govt Solutions	\$1,372,734	4/1/2008
MCCDC	Joint Capability Integration and Development Support	Computer Sciences Corp.	\$151,966	4/1/2008
PG10 - ISI	MCEITS Manpower Analysis	Universal Systems & Technology, Inc.	\$772,207	4/2/2008
AC_PROG	Renewal: MAGTF C2 SA Trade Study/LCCE	AT&T Govt Solutions	\$399,455	4/8/2008
JPEO CBD	JPEO KM SPT OP	Battelle	\$2,220,000	4/24/2008



Enterprise Procurement Portal (eP²) Screen Shots

CEOSS



Public View – Access Screen




USMC ACSS Enterprise Procurement Portal - Microsoft Internet Explorer provided by NMCI

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites Media Print

Address <https://www.ep2.mcsd.usmc.mil/jsp/welcome.jsp> Go Links

WELCOME

 Acquisition Center for Support Services
Enterprise Procurement Portal

PKI has been activated ...

[Create New Account](#)

Appian Procurement

Done Trusted sites

eP² PKI-enabled Login



Customer View - Initiation



USMC ACSS Enterprise Procurement Portal - Microsoft Internet Explorer provided by NMCI

File Edit View Favorites Tools Help

Address: https://www.ep2.mcsc.usmc.mil/jsp/home/home_admin.jsp

Acquisition Center for Support Services
Enterprise Procurement Portal

USER CERTIFICATE INFO
CN=MITCHELL.PA
OU=DoD, O=U.S. Government

Home

There is 1 vendor waiting to register for an account. Go to the admin page.

NEW TASK ORDERS

TRCK #	Description
No new task orders	

ACTIVE TASK ORDERS

TRCK #	Status	Title
2410	RFQ/Proposals	IAMD
2414	RFQ/Proposals	MAGTF C2 Capability Integration Support
2411	RFQ/Proposals	Doctrine Development Support OP
2404	Evaluation	PKI/PKE ES Support OP
2405	Evaluation	C2 TECOE IT Support OP
2406	Evaluation	Manpower Information Support Program
2407	Evaluation	CREW PLCCE & LBC
2408	Evaluation	Autonomic Logistics and Development

AWARDED TASK ORDERS

TRCK #	Status	Title
0042	OSEC	MCCS Systems Engineering and Test Support
0015	Kalman	JPEO JEAP Annual Support

[Show All Task Orders](#)

MCSC Customers or ACSS initiate and track task order requests through the eP²

Initiate Task Order

Please select a customer for the new task order:
No company selected

Please enter a title for the new task order:

Select the estimated amount of available funding:

\$0 - \$25k \$250k - \$1M
 \$25k - \$100k \$1M - \$3M
 \$100k - \$250k > \$3M

Point of Contact (Name, e-mail/telephone #):

Enter a brief description of the task order requirements (1000 char limit).
You may upload additional supporting documents after initiating the request.

Click "Submit" to continue, or "Cancel" to abort.

CANCEL SUBMIT



ACSS View – Top Level

USMC ACSS Enterprise Procurement Portal - Microsoft Internet Explorer provided by NMCI

Address: https://www.ep2.mcsc.usmc.mil/jsp/home/home_admin.jsp

Acquisition Center for Support Services Enterprise Procurement Portal

USER CERTIFICATE INFORMATION
CN=MITCHELL.PATRICIA.A.1228949970, OU=USMC, OU=DoD, O=U.S. Government, C=US

Home

There is 1 vendor waiting to register for an account. Go to the [admin page](#) to review the application.

NEW TASK ORDERS

TRCK #	Description
No new task orders	

ACTIVE TASK ORDERS

TRCK #	Status	Title	Domain	PGD	Init Date	DIQ
2410	RFQ/Proposals	IAMD	ES	MCCDC	04/21/2008	10
2414	RFQ/Proposals	MAGTF C2 Capability Integration Support	ES	MCCDC	04/23/2008	8
2411	RFQ/Proposals	Doctrine Development Support OP	SE	MCCDC	04/22/2008	9
2404	Evaluation	PKI/PKE ES Support OP	ES	ISI	04/07/2008	20
2405	Evaluation	C2 TECOE IT Support OP	SE	OA	04/11/2008	16
2406	Evaluation	Manpower Information Systems Program OP	ALA	ISI	04/11/2008	16
2407	Evaluation	CREW PLCCE & LBCA OP	BA	CINS	04/11/2008	16
2408	Evaluation	Autonomic Logistics EA/Card Development OP	BA	PROG	04/14/2008	15

AWARDED TASK ORDERS

TO #	Winner	Title	Domain	PGD	Stop Work Date	Days Left	Award Date	Value
0066	MKI	Renewal: Acquisition Billet Survey & MOS Care	ALA	PROG	04/29/2009	361	04/28/2008	\$271,930.00
0012	BATTELLE	JPEO KM SPT OP	SE	JPEO CBD	04/30/2009	362	04/24/2008	\$2,220,000.00
0028	GDIT	JFS - IJID Support OP	ES	OFS	05/06/2009	368	04/23/2008	\$3,259,245.00
0043	OSEC	SIAT Support OP	ES	DC,C4IM	04/27/2009	359	04/23/2008	\$9,360,439.00
0000		Analysis Support OP	BA	PROG	01/29/2009	271	04/17/2008	\$89,295.00
		T Program Support	ES	ISI	05/19/2009	381	04/17/2008	\$2,425,000.00
		MCNIS Annual Support	ES	ISI	04/26/2009	358	04/17/2008	\$6,365,500.00
		rt OP	ALA	MCCDC	04/27/2009	359	04/15/2008	\$2,394,365.00
		ms Engineering and Test Support	ES	ISI	04/27/2009	359	04/15/2008	\$2,924,156.00
		nual Support	BA	JPEO CBD	04/27/2009	359	04/10/2008	\$4,850,254.00

Trusted sites

ACSS tracks the progress of Task Orders through each phase to Award

Awarded Task Orders retain the "history" of the process for Future Use



New Task View – Pre-Award

USMC ACSS Enterprise Procurement Portal - Microsoft Internet Explorer provided by NMCI

File Edit View Favorites Tools Help

Address: https://www.ep2.mcsc.usmc.mil/jsp/to_detail.jsp?srid=67d6fe136bdac0c

Acquisition Center for Support Services Enterprise Procurement Portal

USER CERTIFICATE INFORMATION
 CN=MITCHELL.PATRICIA.A.1228949970.OU=USMC.OU=PKI.OU=DoD.O=U.S. Government.C=US
 Mitchell, Patricia

LOGOUT ACSS HOME HELP

Task Order Detail: [2411] Doctrine Development Support OP

STATUS

1. INITIATED 2. ACCEPTED 3. IGCE/DRFT SOW 4. DRFT RFQ/Q&A **5. RFQ/PROPOSALS** 6. EVALUATION 7. AWARD

@ Day 8 Final RFQ has been posted for 3 day(s)

INFORMATION

PGD	Point of Contact	Estimated Available
MCCDC	John Bass, john.bass@usmc.mil, 703-784-3616	\$1,000,000 - \$3,000,000

DOCUMENTS & FORMS

DEL	Title	Version	Date Added	User	Comments	
<input type="checkbox"/>	Draft SOW	1	2008-04-22 09:49	Mitchell, P.	Final RFQ 4/2	
<input type="checkbox"/>	SF1449 - DRFQ	1	2008-04-25 14:25	hubbell, h.		<input type="checkbox"/> DEL
<input type="checkbox"/>	Final SOW	1	2008-04-29 16:45	Washington, B.	Proposals Due 05/06 1630	<input type="checkbox"/> DEL
<input type="checkbox"/>	SF1449 - FRFQ	1	2008-04-29 16:49	Washington, B.	Proposals Due 05/06 1630	<input type="checkbox"/> DEL

VENDORS WHO HAVE

- Universal Systems & Technol.
- AT&T Govt Solutions
- Eagan, McAllister Associates, Inc
- Computer Sciences Corp.
- Battelle

PENDING ACTIONS

Status	Action	
Completed	IGCE WIZARD	Launch IGCE Wizard
Completed	SET EVAL WEIGHTS	Set vendor evaluation criteria weights.
Available	VENDOR Q&A	Review RFQ Questions and Answers.

Done Trusted sites

Workflow features allow tracking of task order progress over time

Document management module handles versioning of task order-related documents and forms



New Task View – Evaluation

USMC ACSS Enterprise Procurement Portal - Microsoft Internet Explorer provided by NMCI

Offeror Evaluation Summary
Click on company name to display evaluation form for offeror.

Offeror	Labor Price	Travel	ODCs	Total	Score	Risk
---------	-------------	--------	------	-------	-------	------

Redacted

Consensus Inputs are Captured for Each Offeror

Offeror Evaluation Worksheet

Weight	Criteria	Workups	Weak			
0.5	Technical and Business					
0.6	Technical Approach	Weak				
0.4	Business Strategy	Weak				
0.3	Staffing and Management					
0.6	Quality of Personnel	Weak				
0.4	Use of Labor	Weak				
0.1	Past Performance					
0.66	Analogous Work Experience	Weak				
0.34	Customer Satisfaction	Weak				
0.1	Price Reasonableness					
1	Price Reasonableness	Weak				

Labor	0.0
Travel/ODC's	0.0
Discount	0.0
Total Price	

13:43



Post Award View – Top Level

USMC ACSS Enterprise Procurement Portal - Microsoft Internet Explorer provided by NMCI

Address: https://www.ep2.mcsc.usmc.mil/jsp/awarded/awarded_to_detail.jsp?toid=5d5bc8ae40bc10d3&winnerId=147fb6400f51b481

Acquisition Center for Support Services Enterprise Procurement Portal

USER CERTIFICATE INFORMATION
 CN=MITCHELL.PATRICIA.A.1228949970., OU=USMC, OU=PKI, OU=DoD, O=U.S. Government, C=US

LOGOUT ACSS HOME HELP
 Mitchell, Patricia

TO history, modifications, supporting documents

Awarded	PGD	Award Date	Value	Additional Details
CEOSS-08-G-SE-013	DC,C4M	02/01/2008	\$3,730,436.00	View/Modify

DOCUMENTS & FORMS

DEL	Title	Version	Date Added	User	Comments	Activity
<input type="checkbox"/>	SF30	1	04/01/2008 09:01	hubbell, h	Mod 01	<input type="checkbox"/> DEL
<input type="checkbox"/>	SF30	1	04/01/2008 08:59	hubbell, h	Mod 01	<input type="checkbox"/> DEL
<input type="checkbox"/>	SF30 - MODIFICATION	0	03/10/2008 13:37	Riley, D	Mood 01	<input type="checkbox"/> DEL
<input type="checkbox"/>	Signed_SF1449	1	02/04/2008 15:43	hubbell, h	Award	<input type="checkbox"/> DEL
<input type="checkbox"/>	SF1449 - AWARD	1	02/04/2008 15:43	Riley, D	Award	<input type="checkbox"/> DEL

[Show additional document rows](#)

CONTRACT MODIFICATIONS

Mod No	Type of mod	Contract Officer	Contract Specialist	Date Signed	Amount of Funding
Mod 01		Anita M. Norris	Riley, D	03/10/2008	\$0.00

RCPS

[Funds Available for Payment](#) [ACRN Details](#) [Invoice Matrix](#) [Invoice Tracking](#) [Invoice Search](#) Total Obligated = \$4,437,042.00

ACRN	Total Obligated Amount	Date Received	FY	RCP Type	APPROP	Actions
CG	\$90,000.00	04/20/2008	2008	PMC	17811094930 250 67854 067443 2D 493007 8RC8440613V1	Amend
CE	\$95,503.00	03/05/2008	2008	PMC	17811092220 250 67854 067443 2D 222025	Amend
CD	\$201,000.00	03/05/2008	2008	O&M	178110627A0 250 67854 067443 2D M67854	Amend
CA	\$210,000.00	02/01/2008	2008	PMC	17811094181 250 67854 067443 2D 4181K2	Amend
BZ	\$80,000.00	02/01/2008	2008	PMC	17811094733 250 67854 067443 2D 4733K2	Amend

Done Trusted sites



Post Award View – Top Level

RCPS



Funds Available for Payment [ACRN Details](#) [Invoice Matrix](#) [Invoice Tracking](#) [Invoice Search](#) Total Obligated = \$4,437,042.00

ACRN	Total Obligated Amount	Date Received	FY	RCP Type	APPROP	Actions
CG	\$90,000.00	04/20/2008	2008	PMC	17811094930 250 67854 067443 2D 493007 8RC8440613V1	Amend
CE	\$95,503.00	03/05/2008	2008	PMC	17811092220 250 67854 067443 2D 222025	Amend
CD	\$201,000.00	03/05/2008	2008	O&M	178110627A0 250 67854 067443 2D M67854	Amend
CA	\$210,000.00	02/01/2008	2008	PMC	17811094181 250 67854 067443 2D 4181K2	Amend
BZ	\$80,000.00	02/01/2008	2008	PMC	17811094733 250 67854 067443 2D 4733K2	Amend

[Show additional rcp rows](#)

INVOICES



1034



Approve Invoice

Invoice #	Status	Date Added	Invoice Date	Date Paid	Amount	Comments
<input type="radio"/> 0002	Pending Approval	05/02/2008	04/30/2008		\$303,370.00	
<input type="radio"/> 0001	Approved	04/15/2008	04/02/2008		\$303,370.00	

AVAILABLE ACTIONS

Status	Action	Description
Available	VIEW HISTORY	View documents and forms history.
Available	VENDOR Q&A	View Q&A History.
Available	IGCE HISTORY	View IGCE History.
Available	UPLOAD ATTACHMENT	Upload additional supporting documents.
Available	MODIFY TASK ORDER	Modify or renew task order using SF30 .
Available	DD350	Upload DD350 .
Available	UPLOAD SIGNED SF30	Upload Signed SF30 .
Available	UPLOAD FUNDING DOC	Upload funding document.

Funds management, invoicing module, and post award screens



Vendor View – Top Level



Acquisition Center for Support Services
Enterprise Procurement Portal

LOGOUT ACSS HOME HELP

Poulos, Anne

Home



HOME



SEARCH

ACTIVE TASK ORDERS: ELIGIBLE AS PRIME

TRCK #	Status	Title	Bid?	Domain	PGD	Init Date
1001	Final RFQ Posted, Submit Proposals Now	Annual Support for Engineer and Motor Transport Eg	Yes	ALA	IWS	2002-07-24
1041	Task Order Awarded	Flash Hiders for Weapons < .50 Caliber	No	ALA	PG123	2002-07-28

ACTIVE TASK ORDERS: NOT ELIGIBLE AS PRIME

TRCK #	Status	Title	Domain	PGD	Init Date
1005	Draft RFQ/Q&A	Environmental Assessment for Tier 2 Engine Replace	SE	IWS	2002-07-24

AWARDED TASK ORDERS: ABC SELECTED AS WINNER

TO #	Status	Title	Winner	Domain	PGD	Award Date	Value
0002	Awarded	Logistics Assessment of Night Operations Capability	ABC	ALA	PG123	2002-07-29	\$501,000
0001	Awarded	Night Vision Devices Investigation	ABC	SE	PG123	2002-07-28	\$152,000

AWARDED TASK ORDERS: NOT SELECTED AS WINNER

TO #	Winner	Status	Title	Domain	PGD	Award Date	Value
0001	MCR	Closed Out	Requirement and Cost Analyses for hand-held portable devices	BA	IWS	2002-07-24	\$124,409
0003	VRE	Awarded	Life Cycle Cost Analyses for Intel System Upgrades	BA	BM&ADS	2002-07-25	\$123,456

Vendors are notified by e-mail and on their eP² home page of new task order opportunities



ACSS Performance



CEOSS Performance Metrics



CEOSS FY08 Performance Report

FY08 Modification Order Value		\$16,943,812	
FY08 New Task Order Value		\$228,872,891	
FY08 Amount Awarded to Date:		\$245,816,703	
FY08 Cost Reduction to Date:		\$5,167,302	
Domain Task Orders FY 08 to Date:			
ALA - 36	} award value	\$90,306,227	
BA - 14		\$16,065,818	
ES - 33		\$86,663,318	
SE - 26		\$35,837,528	
Total TO's for FY08:		109	
Ave. Percent of Competition:		44%	
Ave. Days in Queue:		17	
FY08 Vendor Performance Scores:		82%	
ALA - 85.6%	} award / renewal scores		
BA - 85.7%			
ES - 82.2%			
SE - 72.7%			
FY08 Wtd. Ave. Hourly Rate:		\$91.33	
ALA - \$89.30	} discounts	} 9%	
BA - \$97.55			0.08
ES - \$89.94			0.05
SE - \$97.02			0.11
FY08 SB Prime Award Volume:		\$61,993,471	
Ave. CEOss Cost per Task:		\$1,682	
Total Staff Hours per Task Order:		32.6	

CEOSS Operations / Efficiencies

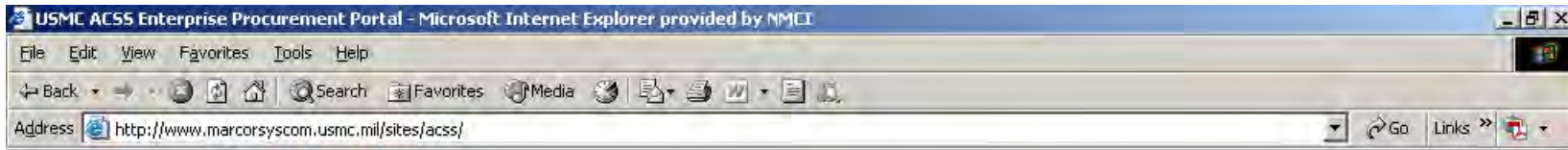
- ✓ 771 Task Orders since Aug 2002
- ✓ Ave 17 days in Queue (Internal)
- ✓ Ave 2% Cost Reduction (Financial)
- ✓ Ave <1% Interest Penalties (Financial)
- ✓ Ave >95% Award Term Renewals (Customer)
- ✓ Ave 99% eP² System A_o (Internal)

Customer Information to Date

Office	Invest	Reduction	FY08 TO's
AFSS	\$4,650,494	\$233,310	3
JPEO CB	\$4,850,254	\$149,746	1
MC2I	\$32,934,635	\$839,270	24
CESS	\$21,402,909	\$1,374,278	12
GTES	\$34,965,299	\$291,362	9
ISI	\$28,547,476	\$1,054,854	11
IWS	\$9,031,888	\$156,454	3
CINS	\$29,537,636	\$45,332	2
MCTSSA	\$10,711,700	(\$1,111,700)	1
Other	\$23,202,927	\$360,786	12
PROG	\$4,466,821	\$424,473	11
DC C41	\$4,809,659	\$277,255	5
TRASYS	\$7,650,824	\$1,494	1
MCCDC	\$11,077,763	\$932,237	12
OPFOR	\$818,704	\$138,054	1
SCMC	\$213,902		



ACSS Web Site



- [ACSS Home Page](#)
- [What's New](#)
- [Links](#)
- [Contacts](#)
- [Download](#)
- [Sign-In](#)
- [Search](#)

Acquisition Center for Support Services

WELCOME WHAT'S NEW

USMC ACSS Enterprise Procurement Portal - Microsoft Internet Explorer provided by NMCI

Address: <http://www.marcoisyscom.usmc.mil/sites/acss/Download.asp>

WELCOME WHAT'S NEW LINKS CONTACT DOWNLOAD TUTORIAL SIGN IN

Download

The following documents are provided for general information and are available for download.

Document	Date Posted
Recent Briefings/Information	
Mid-Term 2008 Brief Domain Performance Addendum	04.01.08
Mid-Term 2008 Brief ES and SE Domains	03.27.08
Mid-Term 2008 Brief ALA and BA Domains	03.27.08
FY08 Open Season Brief (updated)	07.26.07
Federal Business Opportunity - Request for Information (RFI)	05.24.07
CEOss Handbook Version 8	09.13.07
FY08 CEOss Teams	09.13.07
Frequently Asked Questions (updated)	06.29.06
FY07 Mid Year Briefing	02.26.07
CEOss Policy	
Contingency Operations Planning Documentation	
Deployment Responsibilities Checklist	01.14.03
Task Order Contingency Clause/Allowable Costs	01.28.04



2009 Open Season



Considerations



- **Prime Vendor Role**
 - Can You Do It?
 - Manage a Team
 - Meet CEOss Cycle Times
 - Meet Competition Levels
 - React to / Resolve Problems below ACSS
 - Competitive Schedule
 - Competitive Pricing for the Domain
 - Understand the Command
 - Understand your Competition
- **Team Member / Partner**
 - What Can you Offer?
 - Niche / Broad Capabilities
 - Competitive Pricing
 - Key Skills / Qualifications
 - Market Position
 - Command Presence
 - Reciprocation



Open Season Process

Existing Vendors

- Letter of Intent
 - 2 Pages
 - Team Composition Changes
 - Rationale for new team composition Ability to meet prescribed competition thresholds
 - Discounting Policy
- Revised Proposal
- GSA Schedule Rates (September 2008-2010)
- Unilateral update of BPA



Existing Vendor Schedule

1 RFI Submission due 6/13/08

Instructions for existing CEOss Prime Vendors: To reconstitute teaming relationships on your existing CEOss BPA, you are required to submit the following information: An initial letter of intent (LOI), limited to two (2) pages, that discusses changes to team members, your ability to meet prescribed competition thresholds, discounting policy, and rationale for the new team to continue to support MCSC programs. This must be submitted **NLT 13 June 2008**. Revised proposals are due in accordance with the schedule on ACSS web site. This must be accompanied by a copy of your selected team members' GSA Schedule, and single, updated MS Excel spreadsheet of all of the GSA rates for your team from September 2008-September 2010 (including rates from existing GSA team schedules).



Open Season Process

New Vendors

- Federal Business Opportunities Request for Information (RFI)
 - Capabilities Statement
 - 5 pages
 - Domain of Prime Interest
 - Business Size
 - Team Composition
 - Corporate/Team Capabilities in relation to domain functional areas
 - Business/Management Strategy
 - Relevant Experience
 - Discount Policy
 - GSA Schedule
- Request for Quotation (RFQ) (provided to selected vendors)
 - Proposal
 - Combined business and technical quotation, including sample task order response and Past Performance
 - Excel Spreadsheet of labor rates for Prime and all team members
 - Competitive award of BPA; best value



New Vendor Schedule

1 RFI Submission due 6/24/08

Instructions for new CEOss applicants: To be considered for a CEOss prime BPA, interested vendors must submit the following information **NLT 24 June 2008**. A capabilities statement, limited to five (5) pages that identifies their firm's capabilities within a domain of prime interest and a copy of their applicable GSA Schedule. All material should be submitted on one (1) CD-ROM along with one (1) hard copy. All business sizes will be considered for the domain openings. However, based upon responses to this Request for Information (RFI), ACSS will determine if there is viability in pursuing restricted competition in one, or both, open domain(s). Vendor submissions will be matched to domain (i.e., Command) requirements to establish a baseline that considers each firm's pricing and technical capabilities within the existing pool of domain participants. Vendors determined to offer the best "fit" within each domain, respective of price and services offered, will have the opportunity to respond to a formal solicitation that will be issued **NLT 14 July 2008**. Responses will be due within thirty (30) calendar days, inclusive of teaming arrangements. Competitive selection and award of BPAs is anticipated to occur **NLT 31 August 2008**.

3 BPAs awarded NLT 8/31/08

2 RFQ issued NLT 7/14/08



Crafting your RFI Response

DON'T -

DO -

Focus exclusively on Past Performance **Talk to Current Prime Vendors**

Provide a "Team" Brief

Discuss your Technical Dept

Focus on "non-Priorities"

Focus on MCSC Priorities

Include Extraneous Verbiage

Select the Proper Schedule

Provide Individual Resumes

Identify your Business Size





2009 Open Season Schedule (tentative)



Action	May Suspense Date
FEDBIZOPS Announcement	Monday, 19 May 2008
Action	June Suspense Date
Open Season Workshop	Tuesday, 3 Jun 2008
Incumbent Letters of Intent	NLT Friday, 13 Jun 2008
New Vendor Capabilities	NLT Tuesday, 24 Jun 2008
Action	July - Aug Suspense Date
Issue RFQ to Select Vendors	NLT Monday, 14 Jul 2008
ALA Domain Teams Revised	Monday, 14 Jul 2008
ALA Revised BPAs	NLT Friday, 18 Jul 2008
SE Domain Teams Revised	Monday, 21 Jul 2008
SE Revised BPAs	NLT Friday, 25 Jul 2008
ES Domain Teams Revised	Monday, 28 Jul 2008
ES Revised BPAs	NLT Friday, 1 Aug 2008
BA Domain Teams Revised	Monday, 4 Aug 2008
BA Revised BPAs	NLT Friday, 8 Aug 2008
Vendor Proposals Due – New	Tuesday, 12 Aug 2008
Update Models/New Vendors	NLT Monday, 25 Aug 2008
Action	Sep Suspense Date
New Vendor Orientation	NLT Wednesday, 10 Sep 2008
FY09 Competition Begins	NLT Wednesday, 17 Sep 2008



Questions?

MCSC Advanced Planning Briefing to Industry



Equipping Warfighters to Win



Brigadier General Michael M. Brogan

13-14 May 2008



Current Priorities:

- Ongoing Combat Operations
- Grow-the-Force
- Reset-the-Force
- Modernization/Recapitalization



The Needs of the Force:

- Lighten the Load
- Wheeled Tactical Mobility
- Hearing Conservation
- C2 and Tactical Networks
- ISR
- IED



Credibility:

- Can you do it?
Yes
- How long will it take?
How long do you have?
- How much will it cost?
How much do you have?



Accurate Portrayal of:

- Cost
- Schedule
- Performance
- Systems Engineering
- Risk Management



Questions?

Facing Future Challenges



**BGen O'Donnell
Director, Combat Development Directorate
Combat Development & Integration
May 13, 2008**

***Joint Seabasing
National Imperative***



Today's Strategic Landscape



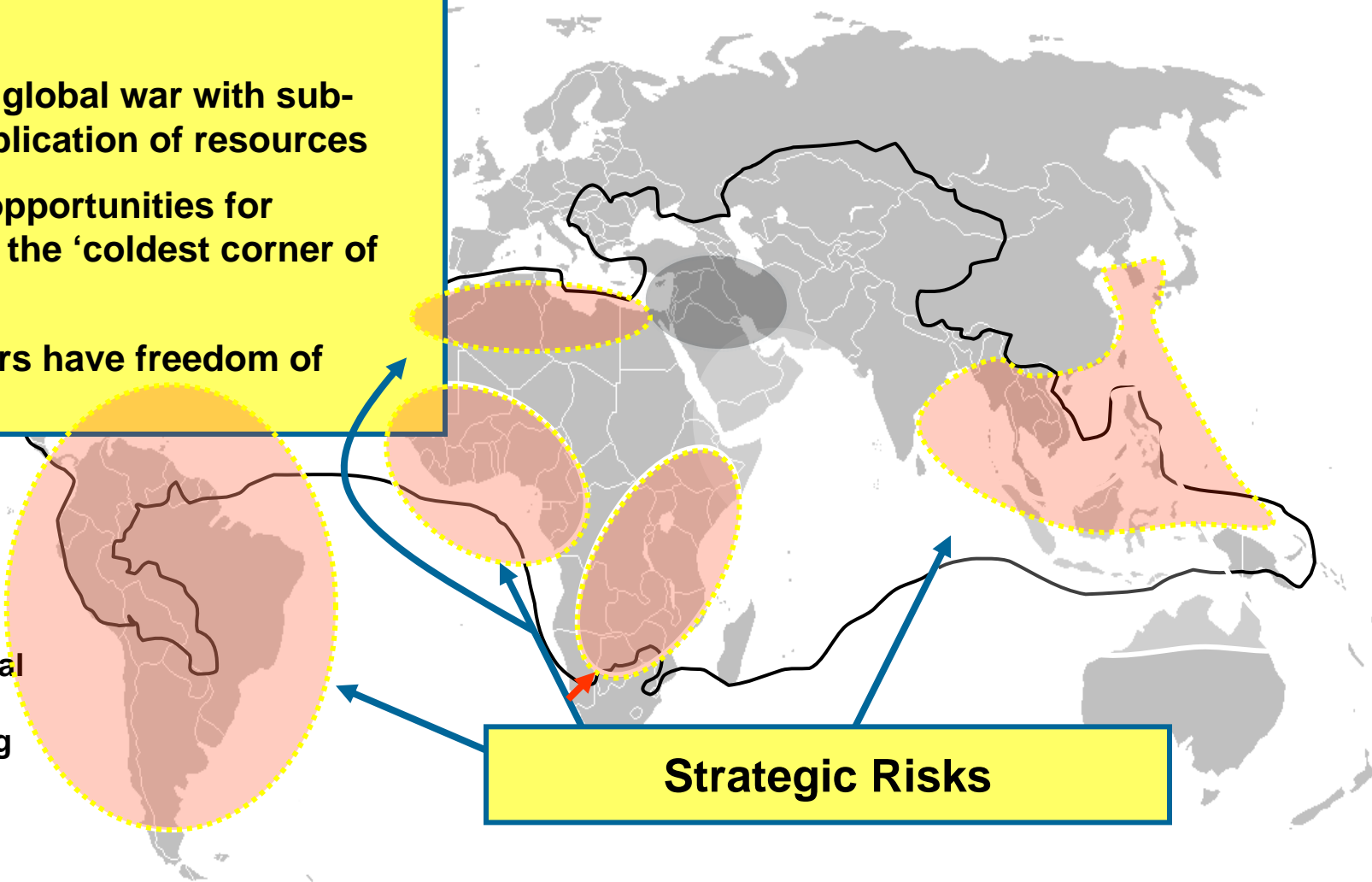
Risks

- Fighting a global war with sub-regional application of resources
- Provides opportunities for terrorists in the 'coldest corner of the room'
- Competitors have freedom of action

Focus Areas

Traditional

Emerging





What have we re-learned?



- Learning “on the fly” is costly
- Shape up front with appropriately skilled forces
 - Cultural Awareness training
 - Communication skills and language training
 - Specialized training for trainers & advisors
 - Regionally focused HQs
- Forward presence and persistence is key
 - Steady-state engagement enabled by Seabasing
- Establish combined, permanent, persistent presence in major population centers
- Proactively Deter vice Reactive Defeat
- Sufficient Capabilities and Capacities required ...





Future Security Environment

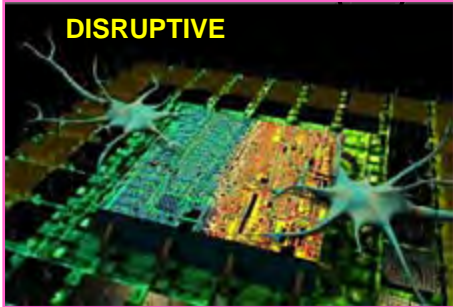


- Nuclear Armed States
- Top Ten Oil Reserves
- Significant Drug Regions
- Anti-West attitudes
- Increasing Global Interdependence

- Emerging Global Powers
- Improved anti-access weapons
- “Haves” vs “Have Nots”

“Hybrid” Threats & Challenges ...

Largely in the Littorals



- Urbanization
- Terrorism/Crime
- High Earthquake Risk Areas
- Famine and Disease



HYBRID WARS

The “asymmetrical kind of war” we face today will last at least two decades...



National Strategic Objectives

Enabled by Joint Seabasing



- Secure the United States from direct attack
- Secure strategic access and retain global freedom of action
- Strengthen alliances and partnerships
- Establish favorable security conditions



Seabasing enables a “Whole of Govt” approach to accomplishing all of these.



CMC Vision 2025

“Enduring Values and Characteristics”



- Selfless service to the Nation
- A “two fisted fighter” ...
- Prepared to “live hard” ...
- Increasingly forward deployed ...
with persistent Naval presence...



- Lean, agile, and adaptable ...
- In all climes and places...
- Educated and culturally aware...
- Caring for Marines and families





Access & Influence

... Are Critical

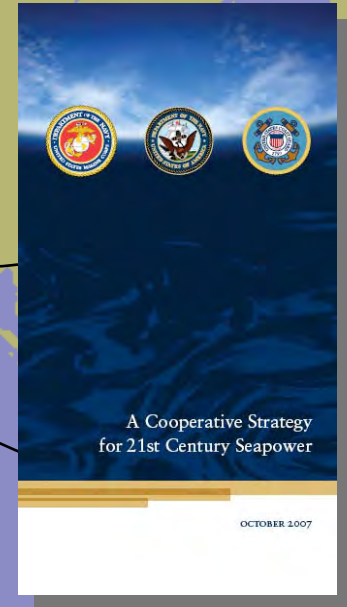


Complex and irregular challenges abound in the urban littorals



Overcoming Obstacles to Access:

- Geographic
- Diplomatic
- Military



Exploit our own asymmetric advantage: Seabasing

Preventing Wars

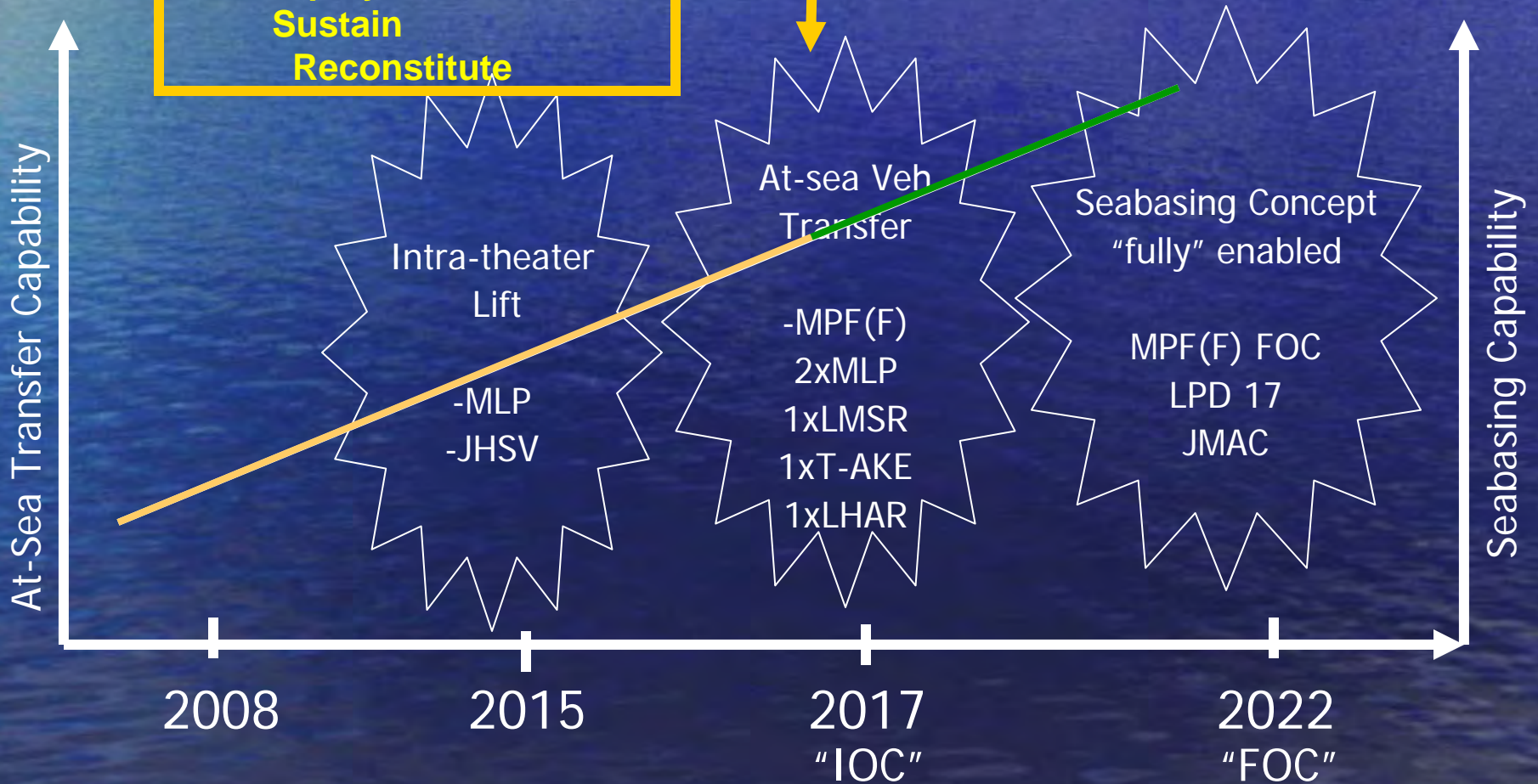
Winning Wars



Is Seabasing Progress Fast Enough?

Joint Seabasing

First real capability to:
Close
Assemble
Employ
Sustain
Reconstitute



CAESR = Close, Assemble, Employ, Sustain, Reconstitute

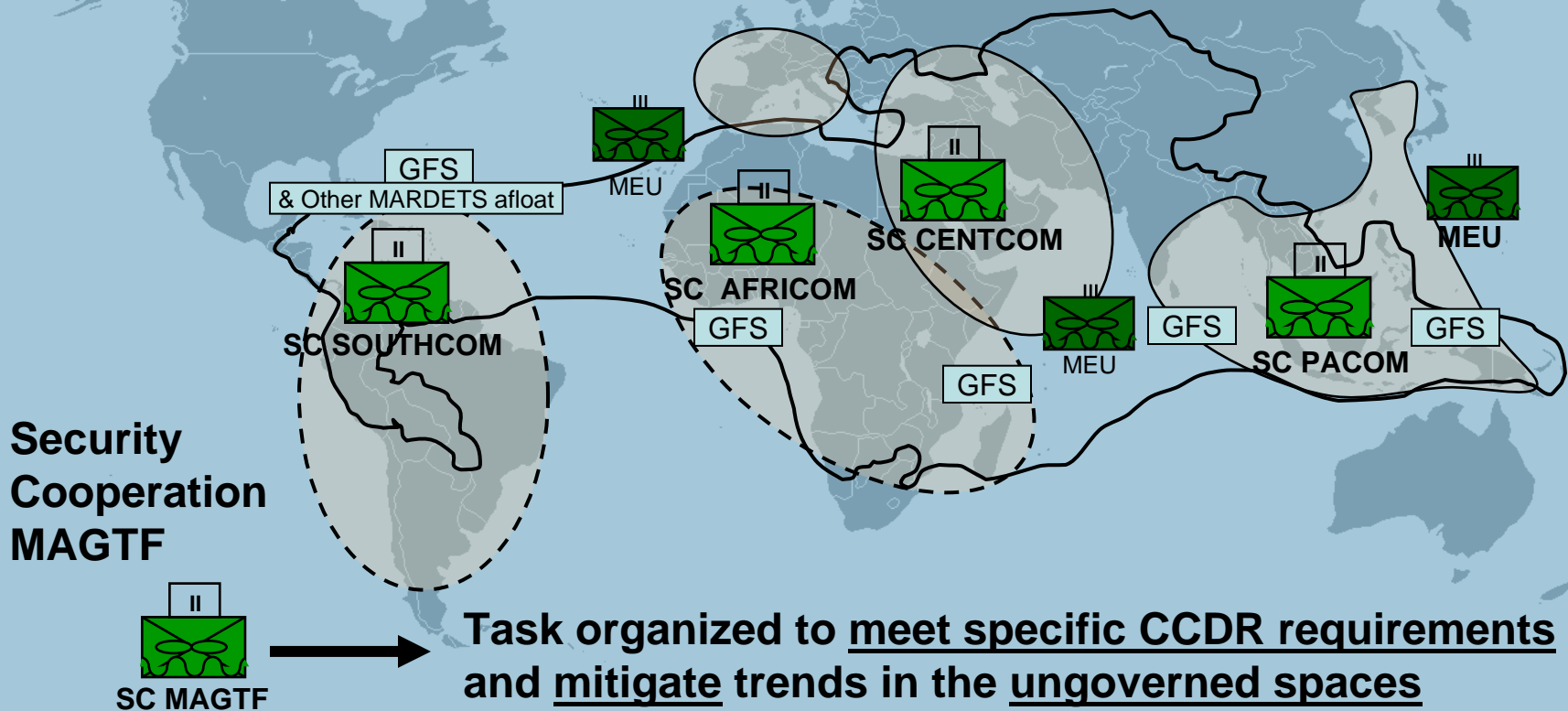


Persistent Engagement

Security Cooperation, Building Partners, Crisis Response



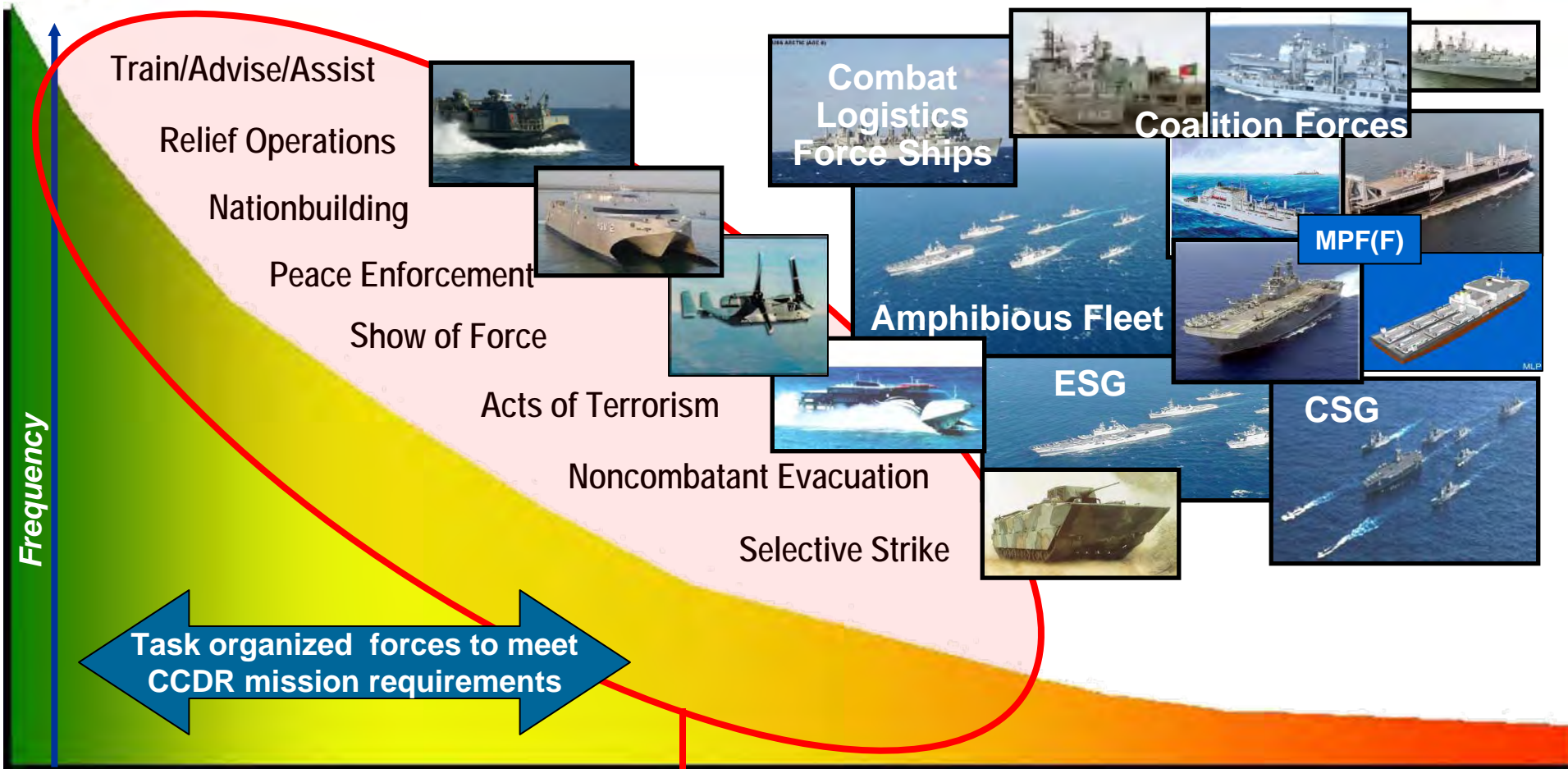
“Arc of Instability is substantially a maritime domain and, therefore, a naval force is uniquely suited to respond.” (2006 CMC Planning Guidance)



Creative force employment and increased capacity enables sustained rotational forward presence globally



Capabilities & Capacities Across the ROMO



Peacetime & Crisis

War

Most Likely Employment

~85 Amphibious Operations since 1990;
Seabasing is not just about MCO



We're building a 21st Century MAGTF



JSF



MV-22



EFV



CH-53K



MAGTF C2



MRAP



EFSS



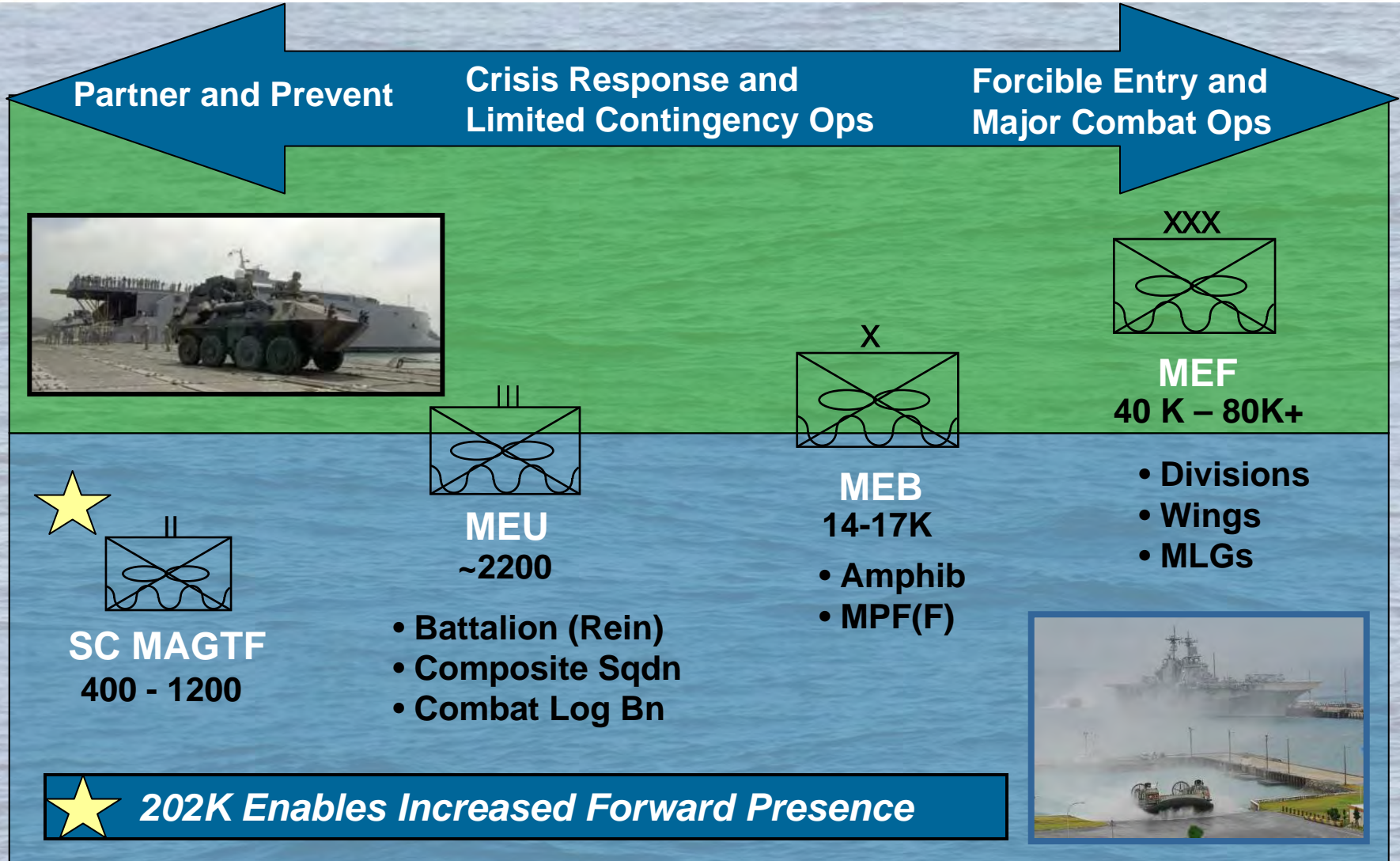
HIMARS



JLTV



New MAGTF Spectrum





Enhanced Company Operations



Assumption:
Marines will engage in multiple missions simultaneously vice sequentially:

- *Assistance*
- *Development*
- *Peace Operations*
- *Deter / Defeat*



The
**Strategic
Corporal**

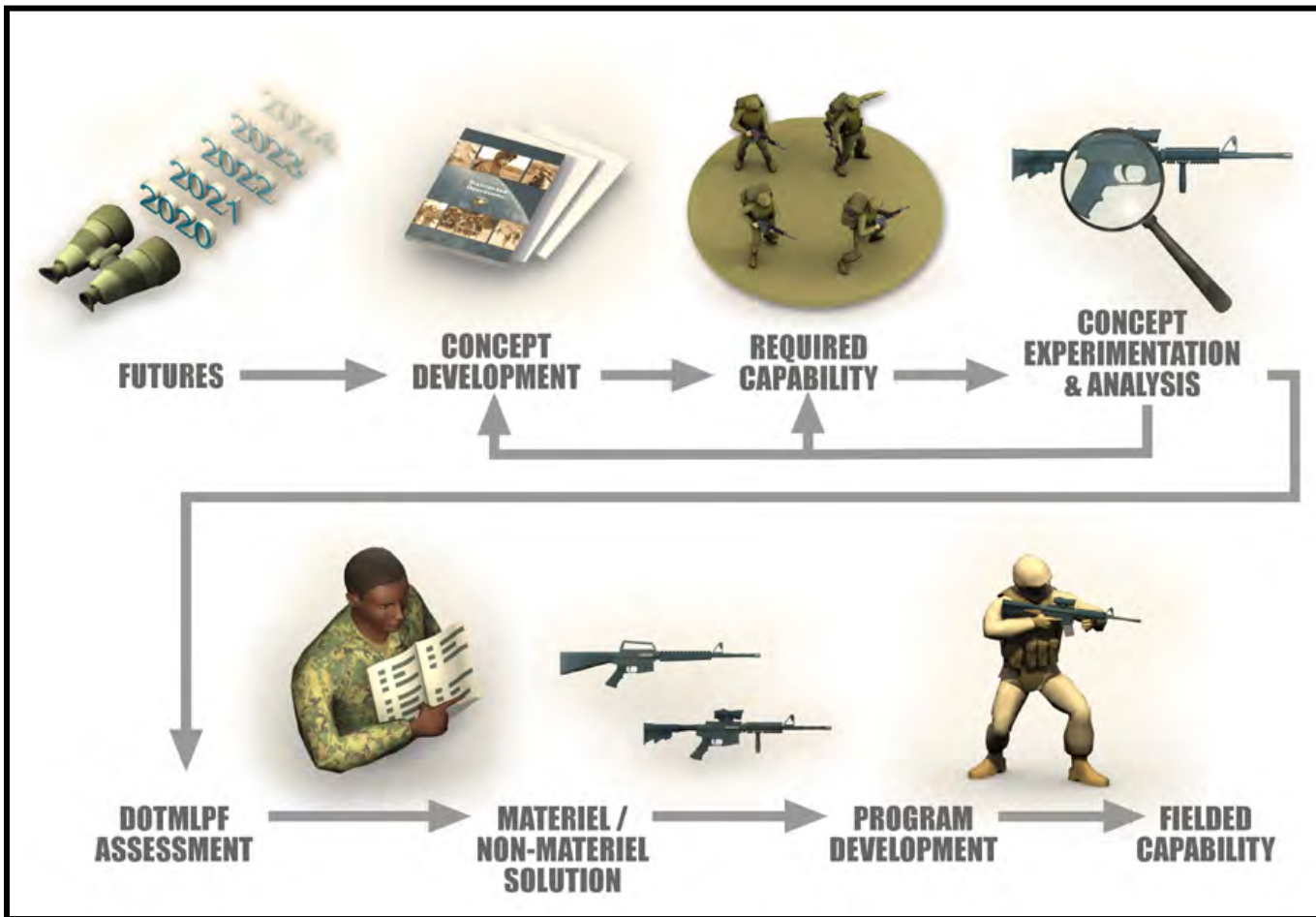
- Requires flexible, dynamic leadership
- Requires implicit trust in junior leaders to make on the spot, big picture decisions
- Recognizes that actions speak louder than words
- Requires Marines who can discern when to use the handshake vice the fist

- *MERS: Marine Exped Rifle Squad*
- *MEP: Marine Enhancement Program*
- *MCMAP: Martial Arts Program*

- *MWS: Modular Weapon System*
- *CLRF: Common Laser Rangefinder*
- *THHR : Tactical Handheld Radio*



Expeditionary Force Development





Combat Development Major Lines of Operation





Expeditionary Ship Requirements



- **Timely and effective development of Expeditionary Ship Requirements is critical to the Corps' ability to provide the Nation a relevant amphibious and maritime prepositioning force in readiness.**
- **Two MEB operational requirement is 34 available amphibious ships**
- **Fiscally constrained requirement is 30 available amphibious ships which would require 33 ships (11/11/11)**
- **MPF(F) Squadron of 14 ships with 2xLHA and 1xLHD**

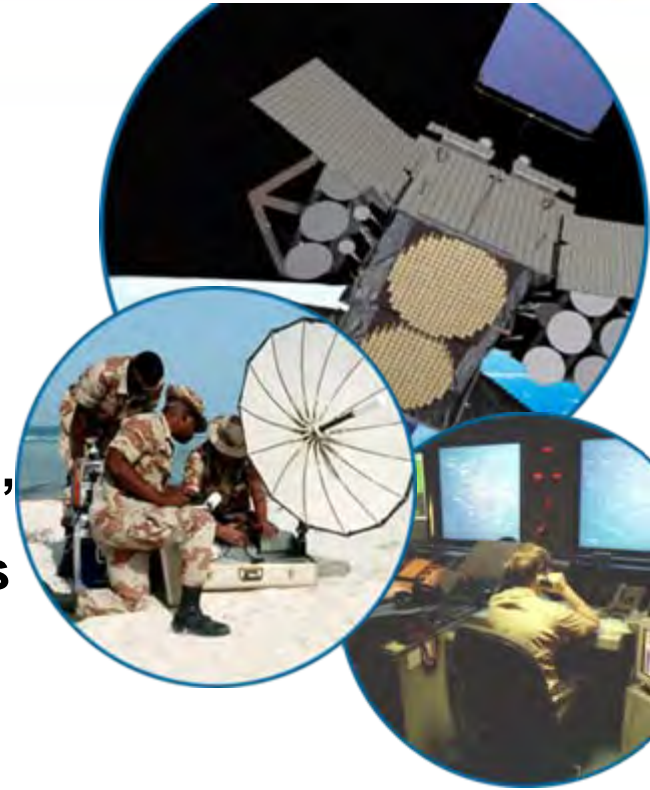




MAGTF C2



- **Synchronization of Joint, Naval and Marine Corps C2 concepts, policies, doctrine, training and education, organization, personnel, systems, and facilities**
- **End to end, fully integrated, cross functional, reach back as well as deployed set of C2, communications and networking capabilities to the warfighter**
- **MAGTF C2 Transition Task Force and integration of 50+ programs into a single USMC C2 Portfolio**





Ground Mobility: A Balancing Act



- **Forcible Entry:** Maintain 2 MEB capability
 - Expeditionary Fighting Vehicle (EFV)
 - Program of Record = \$10.24B
- **Irregular Warfare:** Capability alternatives
 - Mine Resistant Ambush Protected Vehicle (MRAP)
 - Joint Lightweight Tactical Vehicle (JLTV)
 - Internally Transportable Vehicle (ITV)
 - Light Armored Marine Infantry Carrier (LA MIC)



EFV



JLTV



MRAP: Cat I, II, III



ITV



LA MIC

“The Marine Corps will consider capability alternatives ... support a single two MEB forcible entry operation. Additionally ... propose an appropriate mix of ground combat vehicles to support irregular warfare operations. - Strategic Planning Guidance



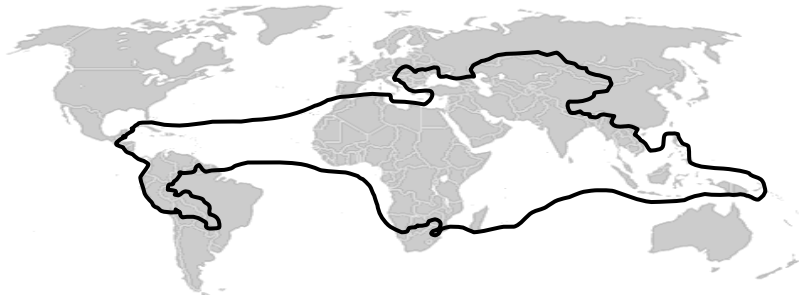
Joint Seabasing

...and the 21st Century MAGTF



A National Capability ... a Joint Capability ...

- Exploits sea as maneuver space 365 days a year
- Enables Coalition / Joint Forces
- Maximizes the effects of forward presence
- “Steps lightly” on allies and partners
- Executes the full range of military operations



...With Operational Flexibility



- Close, Assemble, Employ, Sustain, Reconstitute – from the Sea
- Freedom of movement and inherent force protection at sea
- Minimizes the vulnerability of iron mountains ashore
- Able to rapidly transition warfighting capabilities ashore



Back Up



Bottom Line Up Front



- There is an extensive body of Seabasing work
- There is an agreed upon Seabasing JIC
- Joint Seabasing will provide diverse contributing capabilities and capacities
- We need increased capacity sooner

More than...

Platforms



Seabasing is...

Capabilities

Logistics



Employment & Sustainment

Major Combat



Projection of National Power across a Range of Ops

Navy/USMC



Joint/Multinational

An INCLUSIVE vice EXCLUSIVE enabling concept



Deconstructing the Myths



- **MYTH: Seabasing is a Navy-Marine Corps program of platforms**
 - FACT: Seabasing is a Joint, Multinational, and Interagency enabling concept
- **MYTH: Seabasing is limited to MCO**
 - FACT: Seabasing supports all Joint operations
- **MYTH: Seabasing replaces shore basing**
 - FACT: It is part of a flexible, global basing system
- **MYTH: Seabasing equals MPF(F)**
 - FACT: The seabase is tailored from a variety of seabasing components such as CSG, ESG, MPF(F), CLF, Sister Service and Multinational ships
- **MYTH: Seabasing is futuristic**
 - FACT: We can do some parts now... it is improving ...but not fast enough





Seabasing Supports the full Joint Campaign



Distributed → Aggregated → Distributed

TSC, BPC, and Domain Awareness → Crisis Response & MCO → Prolonged Ops

*Increased Seabasing
Capabilities and Capacities
Will better enable ALL Phases ...
NOT just initial entry ops for MCO*



Marine Corps Combat Development Command



Shaping and
Enabling
the MAGTF
of Tomorrow

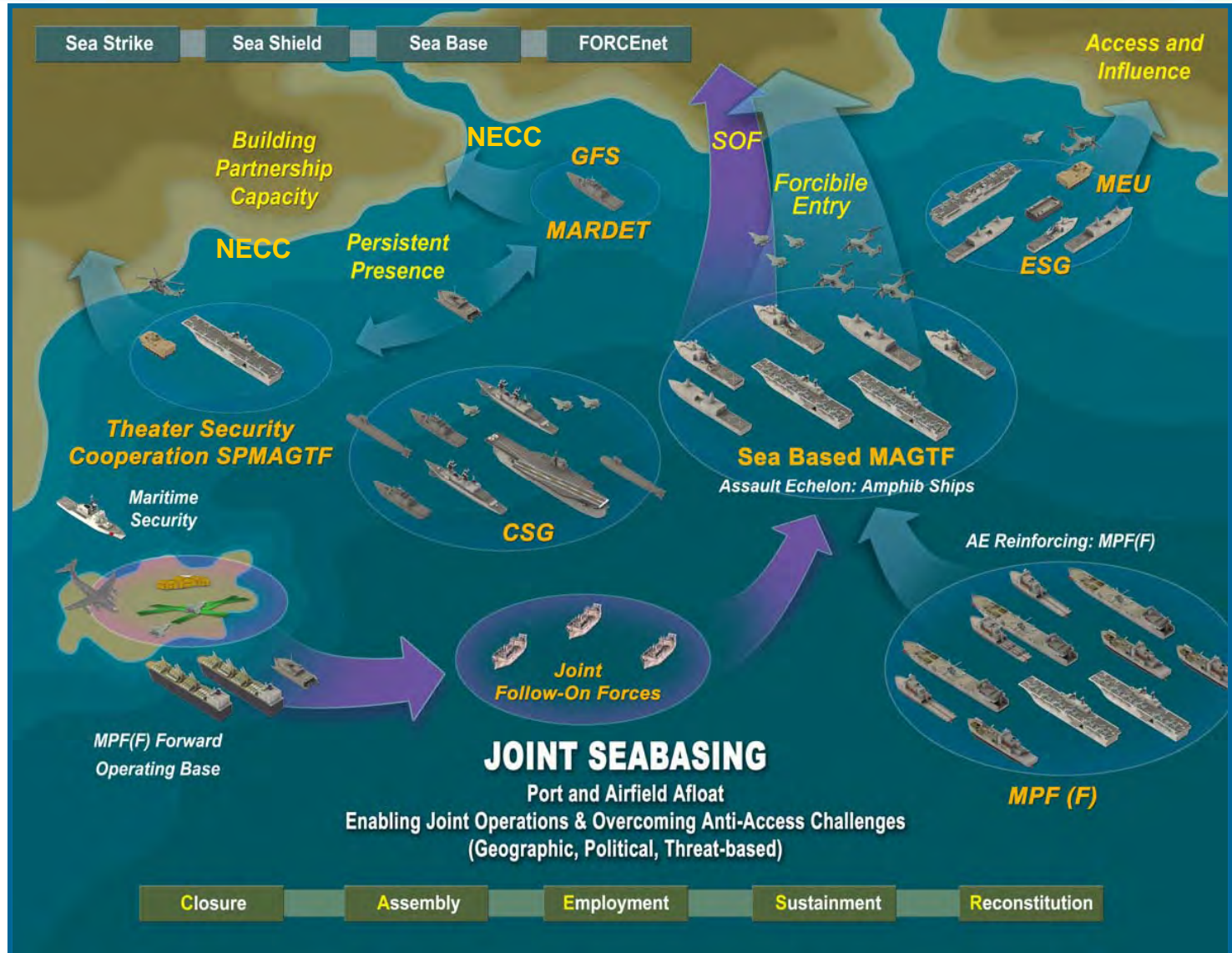


Prevent and Win: Implementing the Maritime Strategy



Evolve an expanded range of integrated capabilities to influence activities at sea and ashore

- Naval general-purpose forces
- Multi-mission platforms





202K Increased Capabilities & Capacities



Long War | SPECTRUM OF COMBAT | Conventional

I MEF

II MEF

III MEF

202,000

Selective Unit Increases

180,000

175,000

Balanced Force Capability

- Infantry
- Aviation
- Artillery
- Combat Logistics
- Intelligence
- Engineers
- Military Police
- Civil Affairs
- EOD
- Radio/SIGINT

Enabling Capability

- Trainers
- Recruiters
- Training Pipeline

Baseline Force

1:2

Force Deployment Tempo

1:<2



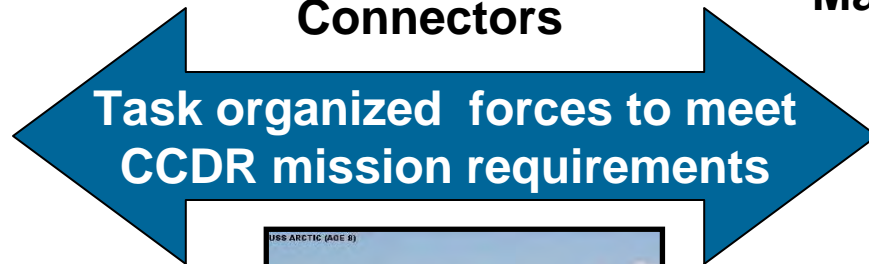
Tailored, Flexible Sea Base



Amphibious Fleet



Maritime Prepositioning Force (Future)



Connectors



Carrier Strike Group & Expeditionary Strike Group



Combat Logistics Force Ships



Coalition Force & Sister Service Ships

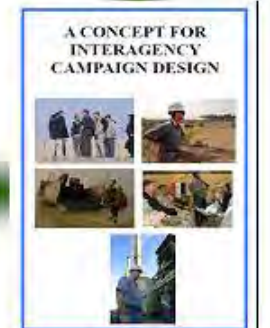
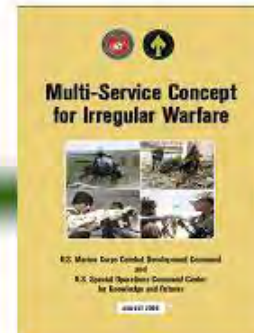
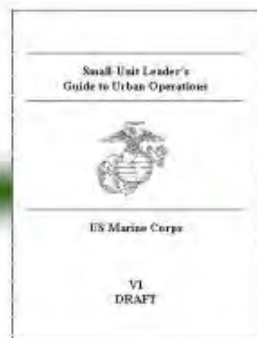
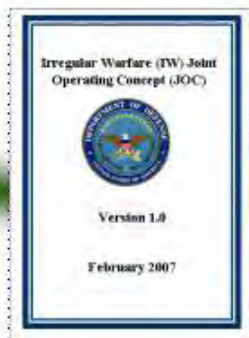
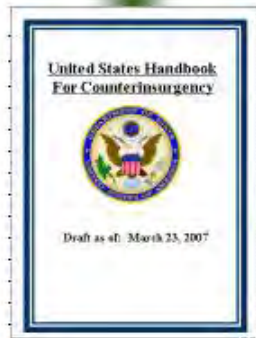
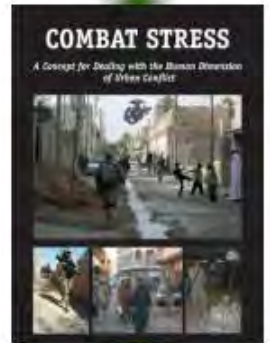
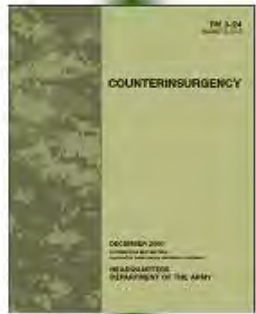
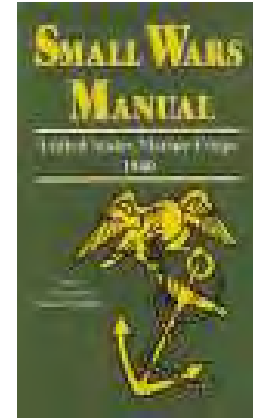
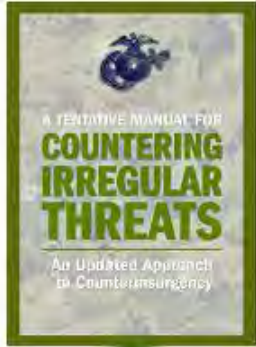
... mission drives organization



USMC Center for Irregular Warfare



Center for Advanced Operational Cultural Learning



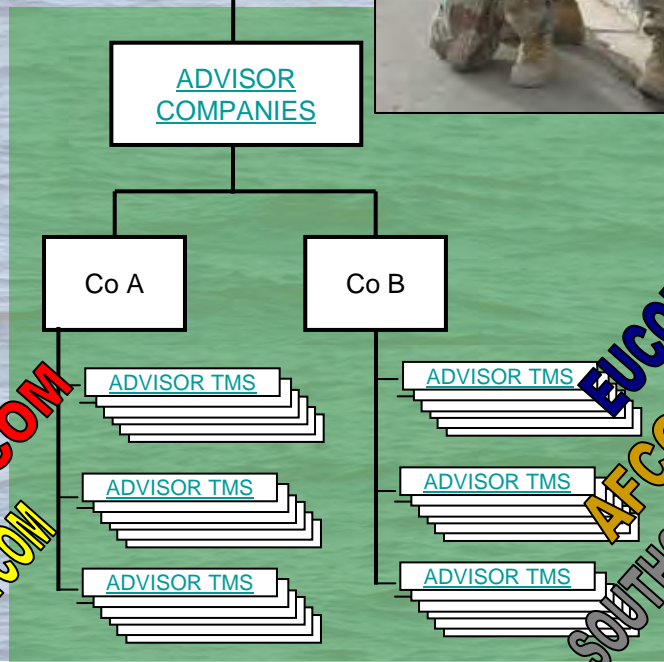
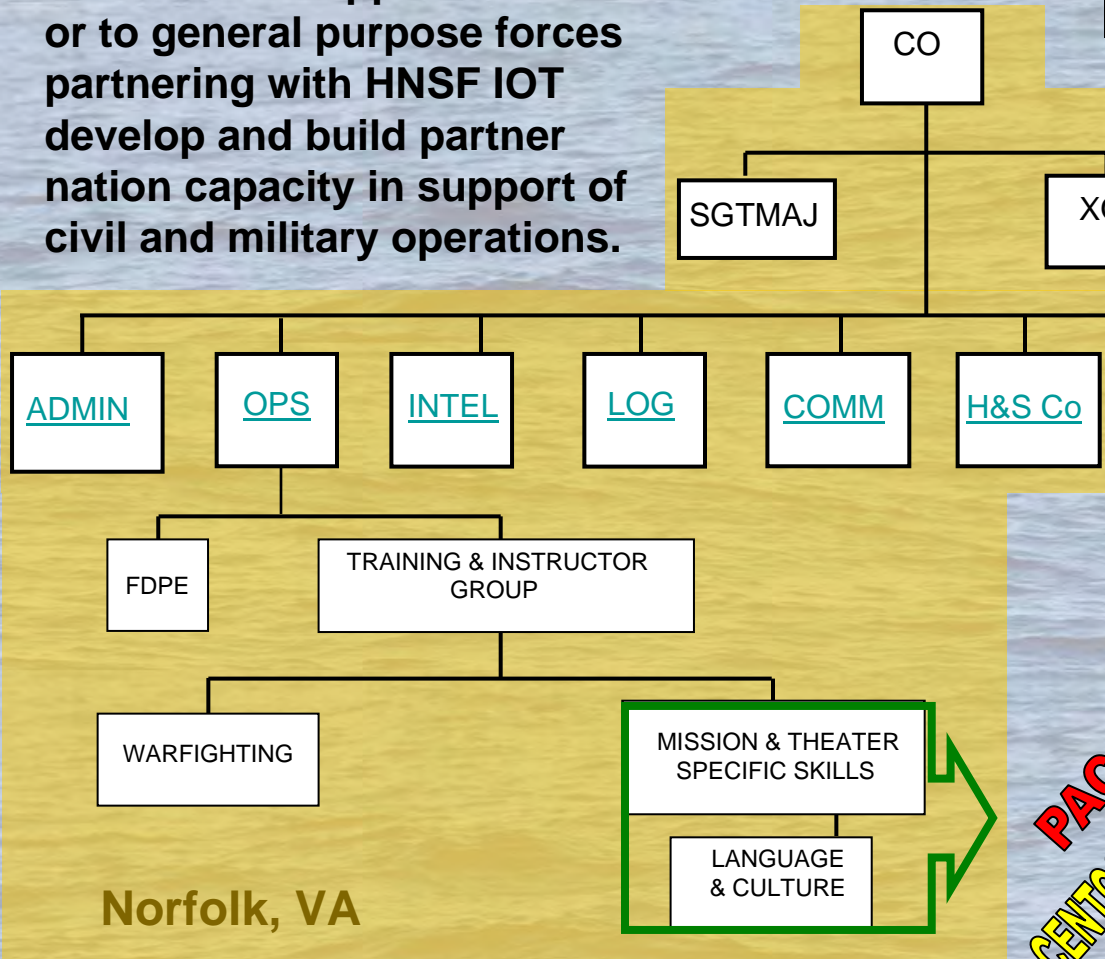


MCTAG: Marine Corps Training and Advisor Group



- Provide conventional training and advisor support to HNSF or to general purpose forces partnering with HNSF IOT develop and build partner nation capacity in support of civil and military operations.

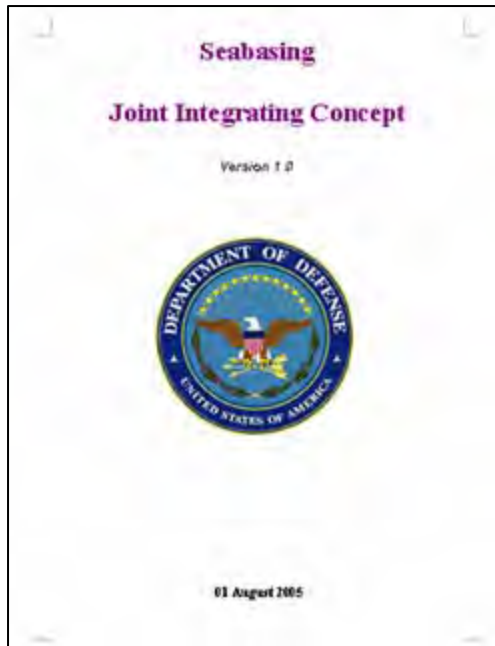
~750 by FY11



PACOM
CENTCOM
EUROM
AFCOM
SOUTHCOM

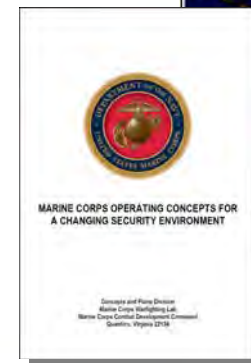
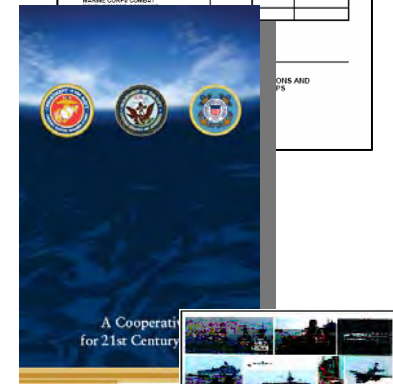
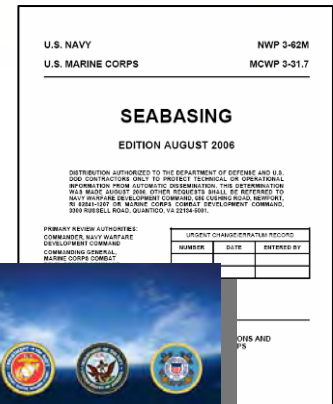
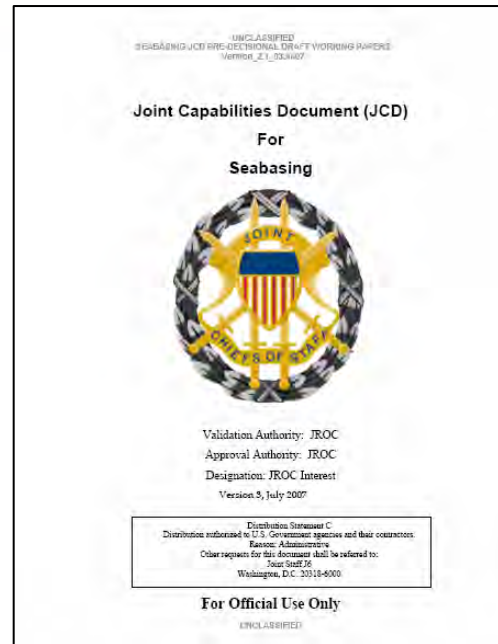


The "Approved" Foundation



4 Supporting CONOPS:

- HA
- COIN
- MCO
- MCO-SD



Seabasing = A National Imperative

We have the road map ... It is time to Execute



We're Making Progress...

“ ... to perform as far as practical the functions now performed on land at sea bases ... “ Samuel Huntington, 1954

1994: “ ... increased flexibility through seabasing”

1998: “ Seabasing will free Marines from the need to set up facilities ashore ...”

2001: “Seabasing supports versatile and flexible power projection.”

2002: Sea basing: Projecting Joint Operational Independence

2002: “ ... use ... enhanced network seabasing to operate without restriction.”

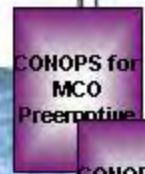
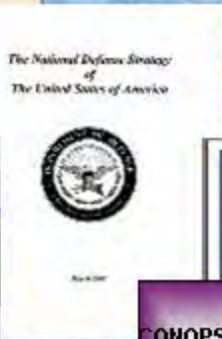
2005: “ ... joint sea-basing too holds promise for the broader transformation of our overseas military posture.”

2006: “ ... Seabasing will complement, integrate and enable joint military capabilities throughout the littorals with minimal or no access to nearby land bases.” Four supporting CONOPS.

US Doctrine



2006: “ ... operational-level doctrine for planning and executing scalable operations from a sea base ... in support of naval, joint, and multinational operations.”





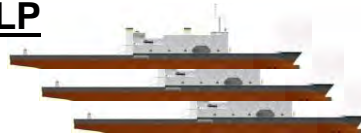
Maritime Prepositioning Force (Future) : Versatility



LHA(R)



MLP



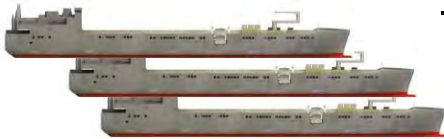
LHD



T-AKE



T-AKR



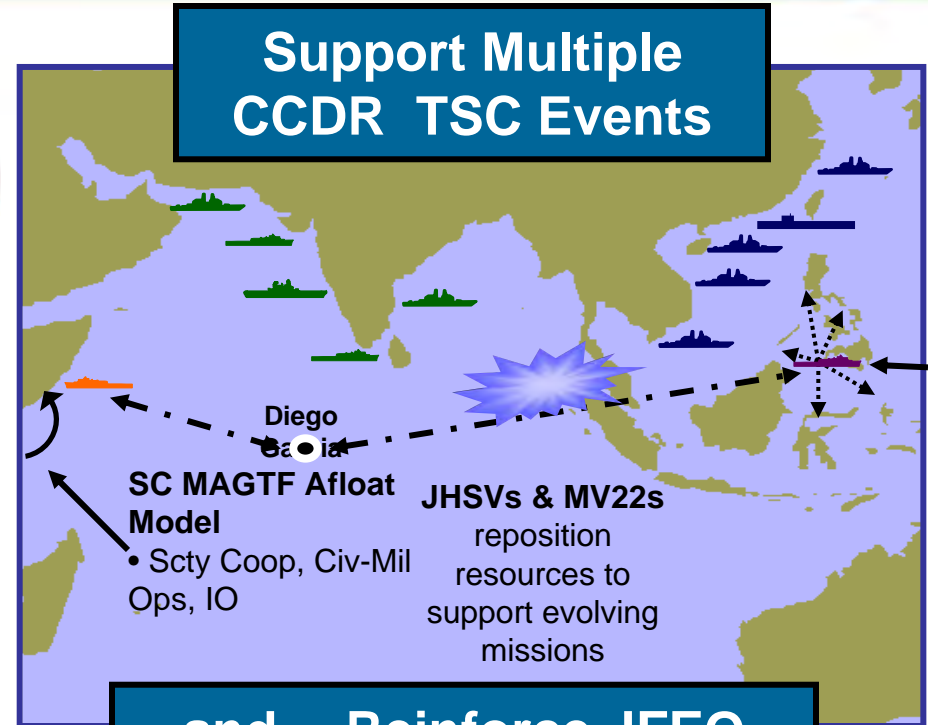
Legacy T-AK



As MULTIPLE
Operating Groups

OR

As ONE Squadron



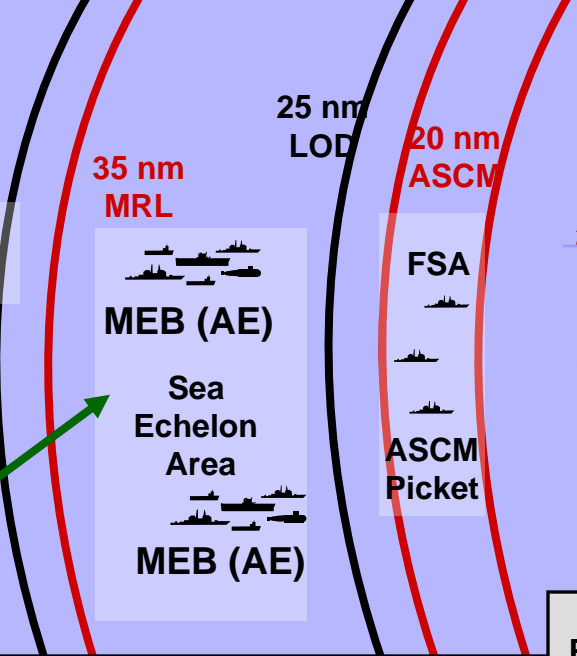
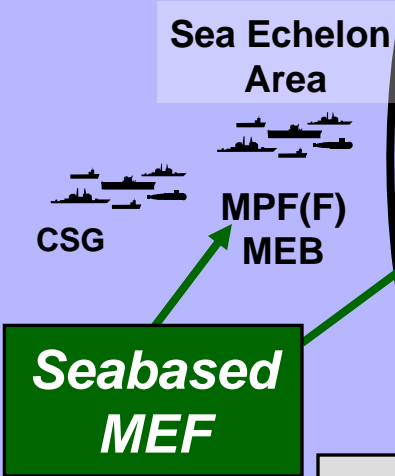
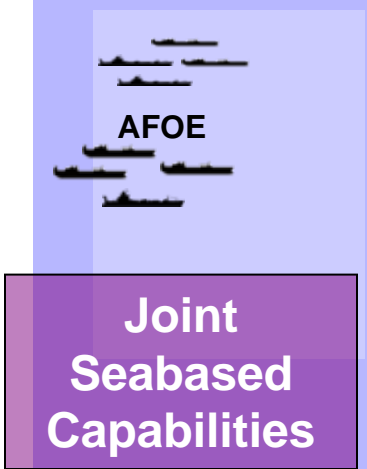
- JTF Enabler
- At Sea Arrival & Assembly
- At Sea Transfer
- Joint Sustainment Hub



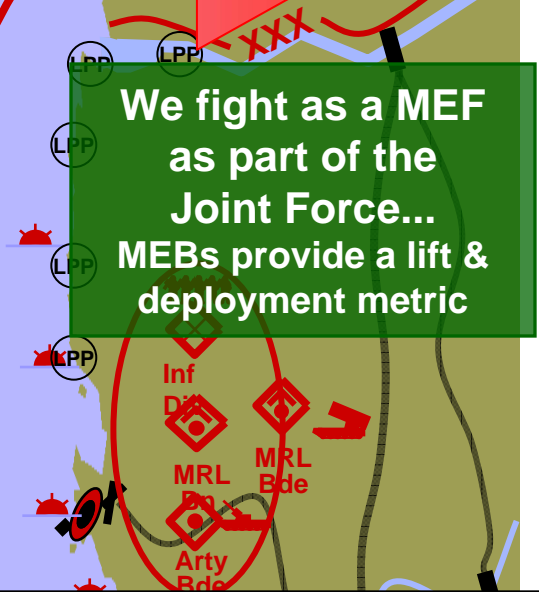
Joint Forcible Entry Overcoming Threats to Access



• The threat drives us over the horizon.
 • Our goal is to collapse the threat to access.



We fight as a MEF as part of the Joint Force... MEBs provide a lift & deployment metric



MOST DANGEROUS THREAT

Integrated anti-access systems:

- Long and short-range ASCM
- Long-range land attack cruise missiles
- Integrated air and missile defense weapons
- Submarines, UUV, USV, Mines

MOST LIKELY THREAT

Proliferation of anti-access weapons to other state/non-state actors

- Short-range ASCM
- Small boats
- MANPADS
- IEDs / Mines/ RPG



Seabasing Strengths



- Maximizes the Sovereignty of the Seas
- Provides Flexible Forward Presence
- Contributes to the Global System of Bases
- Supports and Enables Joint Ops
- Positioned to influence events ashore
 - Located in proximity of coastal region
- Requires Joint Force Protection -- Must be survivable
- Exploits our maritime superiority
 - Supports National Fleet Policy
- Contributes to Maritime Domain Awareness



Increased Operational Versatility and Tactical Flexibility



MPF(F) and Joint Warfighting



Flexible across the Joint spectrum of operations...

- **Contribute to sustaining other Service components**
- **MPF(F) can help move other Service component forces within the AOR**
- **Interoperate with Naval logistics and the Joint theater logistics pipeline**
- **MLPs can interface with legacy LMSRs, JHSVs, Army Logistics Support Vessels, LCU 2000, Navy LCUs, LCMs, utility boats, & container ships**
- **MPF(F) LCACs can support movement of other Service component forces ashore**



MPF(F) supports the Seabasing Joint Integrating Concept's Lines of Operation: Close, Assemble, Employ, Sustain, & Reconstitute





Flexible Presence

Tailored Force Packages & Multi-Purpose Platforms



Amphibs



- MED / DEN / VETCAP
- Engineer CAP
- AMPHIB Ship to shore Tng
- Close Air Support Training
- HA / DR/ Operations
- Bilateral Live Fire Training
- Reconnaissance Training
- ROE / Operational Law Symposium
- Sports Competitions
- Shipboard Training
- Maritime Security & Governance
- Humanitarian Assistance



Littoral Combat Ship (LCS) with Marine Module



Targeted Access and Influence ... gaining the trust and confidence of the relevant local populace



JHSV



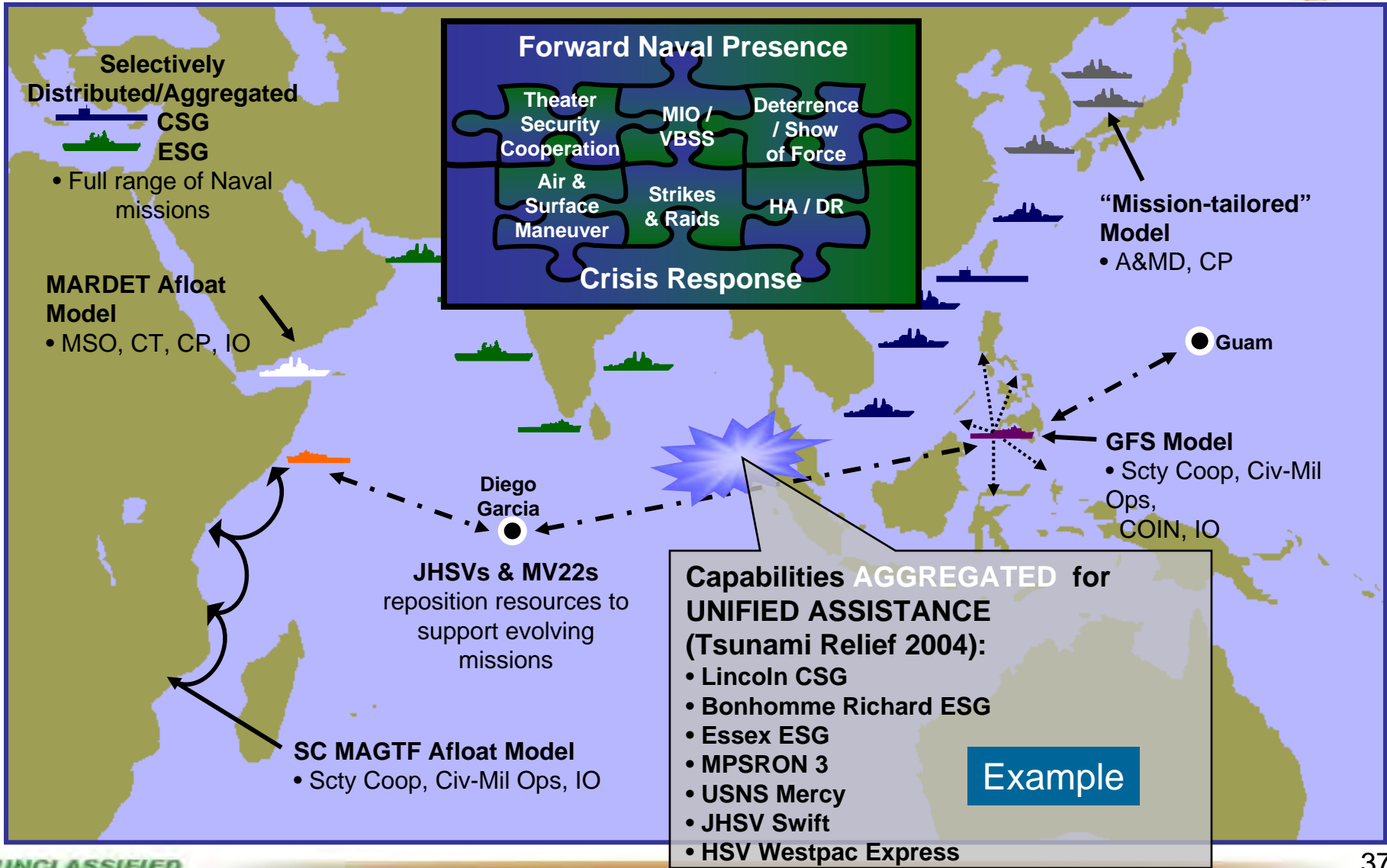
MPS Platform : MarDet



USCG Cutter MarDet



Envisioned Day-to-Day: Selectively Distributed or Aggregated Capabilities





The Strategic Landscape (Challenges)



- Global War on Terrorism
 - Decentralized, Networked and Global
 - Greatly Dispersed, Non-Linear Battlespace
 - Failed / Failing States and Ungoverned Spaces
- Traditional Challenges
 - State Sponsors of Terrorism
 - Peer Competitors
 - Regional Aggressors



EW 08 Seabasing Themes

Joint Seabasing

Understanding Seabasing

- Range of Military Ops
- Complementary Basing & Presence
- Scalability

Functional Attributes

- Logistics
- Service Component Enablers

Integration & Partnering

- Command and Control
- Multinational Integration
- SOF Integration
- Interagency Integration

Proponency

- Project Oversight
- Strategic Communications
- Training and Education



Naval Operations



The maritime domain:

- the world's oceans, seas, bays, estuaries, islands, coastal areas, littorals, and the airspace above them
- supports 90% of the world's trade, carries the lifeblood of a global system that links every country on earth

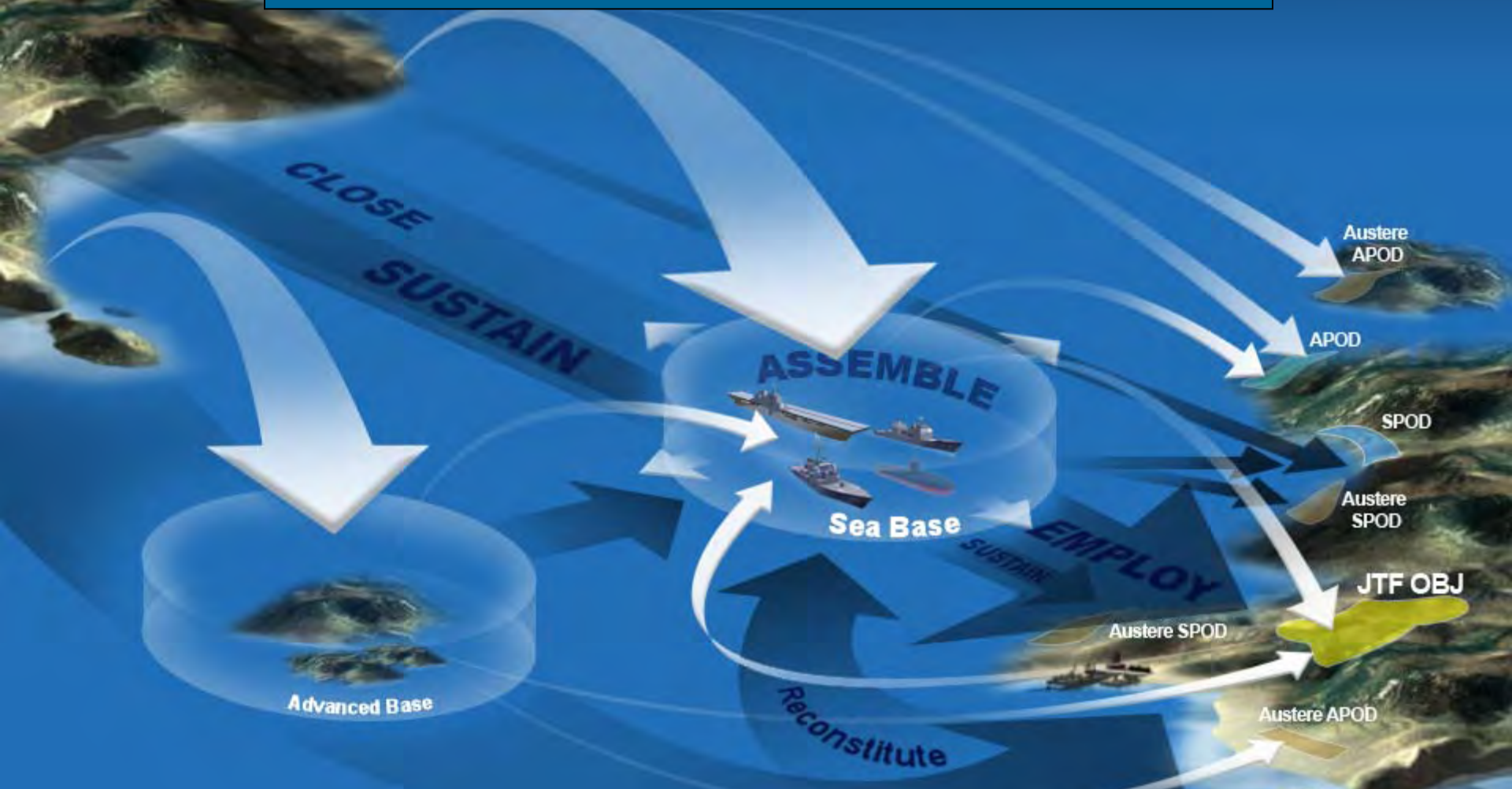


- Globally postured to secure our homeland & build partnerships
- Forward presence in key areas; capable of responding to crisis's around the world...anywhere...anytime
- Expanded range of integrated capabilities to support our allies and defeat our adversaries

A clarion for a new engagement strategy...and of necessity, for a new
ENGAGEMENT ENABLER...SEABASING!

CONUS
APOEs
SPOEs

Seabasing Lines of Operation (CAESR)



APOD	Aerial Port of Debarkation
APOE	Aerial Port of Embarkation
JTF OBJ	Joint Task Force Objective
SPOD	Sea Port of Debarkation
SPOE	Sea Port of Embarkation

**Relevant whether the Sea base is 2
ships Or 30 ships ...**



Joint Seabasing enables ...



Accomplishing Strategic Objectives by :

- Assuring allies and friends
- Dissuading potential adversaries
- Deterring aggression
- Countering coercion
- and when necessary...
Defeating adversaries



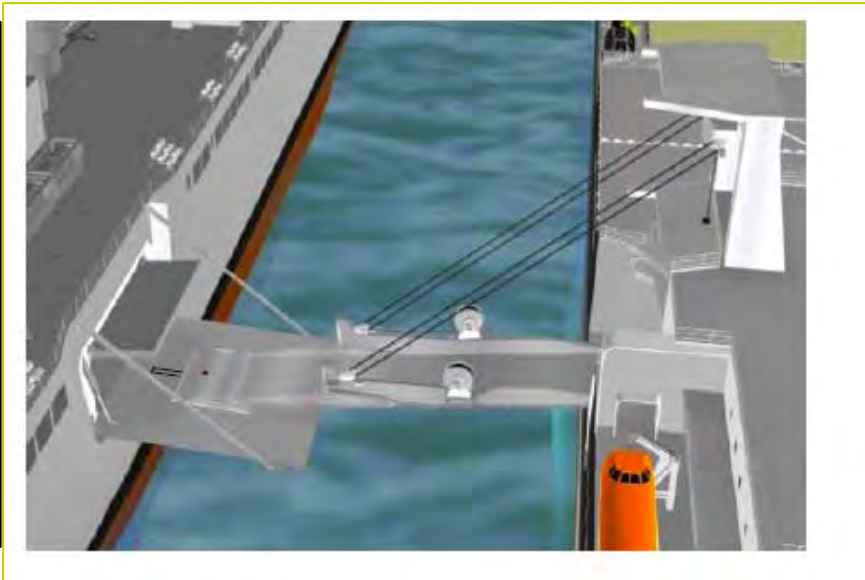
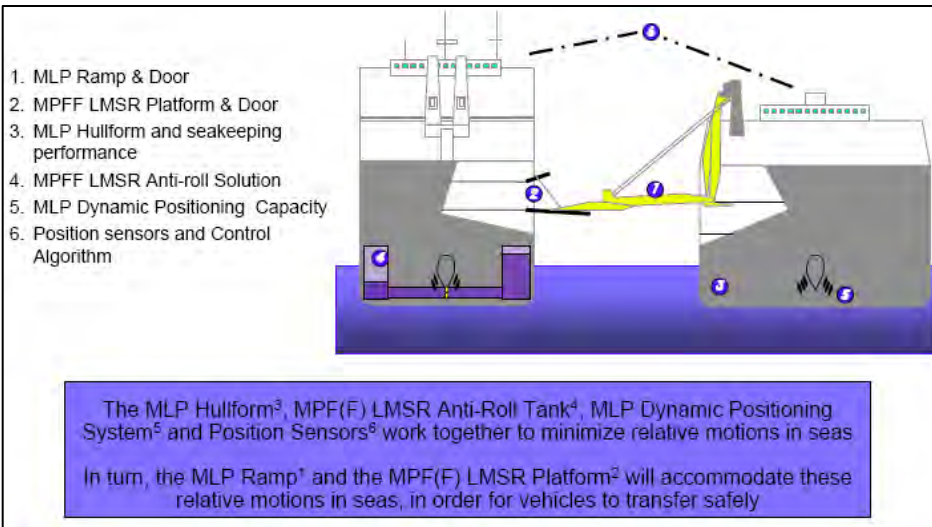
- This approach will require more widely distributed forces that can assure, dissuade, and deter regionally, yet possess the agility to rapidly re-aggregate as part of a global response to crises.



Vehicle Transfer System (VTS)



VTS is the critical new technology that enables surface movement



- Primary system to transfer vehicles and personnel from the LMSRs to the MLPs underway
- Dynamic positioning (DP) of MLP to LMSR while underway
- 1 VTS per MLP (no redundancy)
- 24 hour ship transfer (notional) period through NATO SS3



Prepositioning Today & Tomorrow

The lynchpin for Joint “at-sea transfer” capability



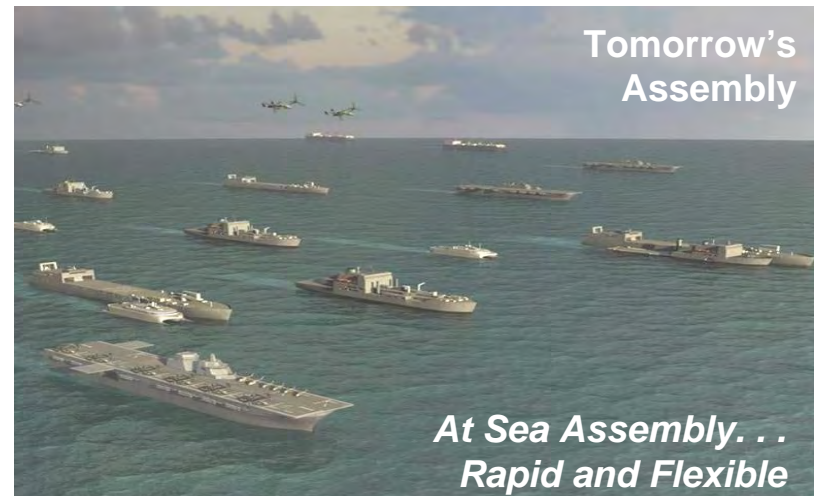
• MPS

- Port-to-port (or in-stream) capability
- Requires Host Nation Support to close and assemble the force
- Significant lodgment - both APOD and SPOD required in theater
- High force protection bill associated with establishing and maintaining a secure lodgment
- Ships densely packed, assemble ashore



• MPF(F)

- Operates in restrictive access environments
- Arrival, assemble and integrate at sea
- Selectively offloadable, tailorable force packages
- Employs combat ready forces from OTH
- Indefinite sustainment from the sea base up to a brigade size force operating ashore
- Reconstitutes forces to the sea base for redeployment



MPF(F) ≠ Seabasing



Amphibious Shipping



“How We Fight” = MEF

2.0 MEB Assault Echelon (AE) **and** 1.0 MEB MPF(F)



LHD / LHA(R)



LPD-17



**LSD-41 / 49
(or equivalent)**

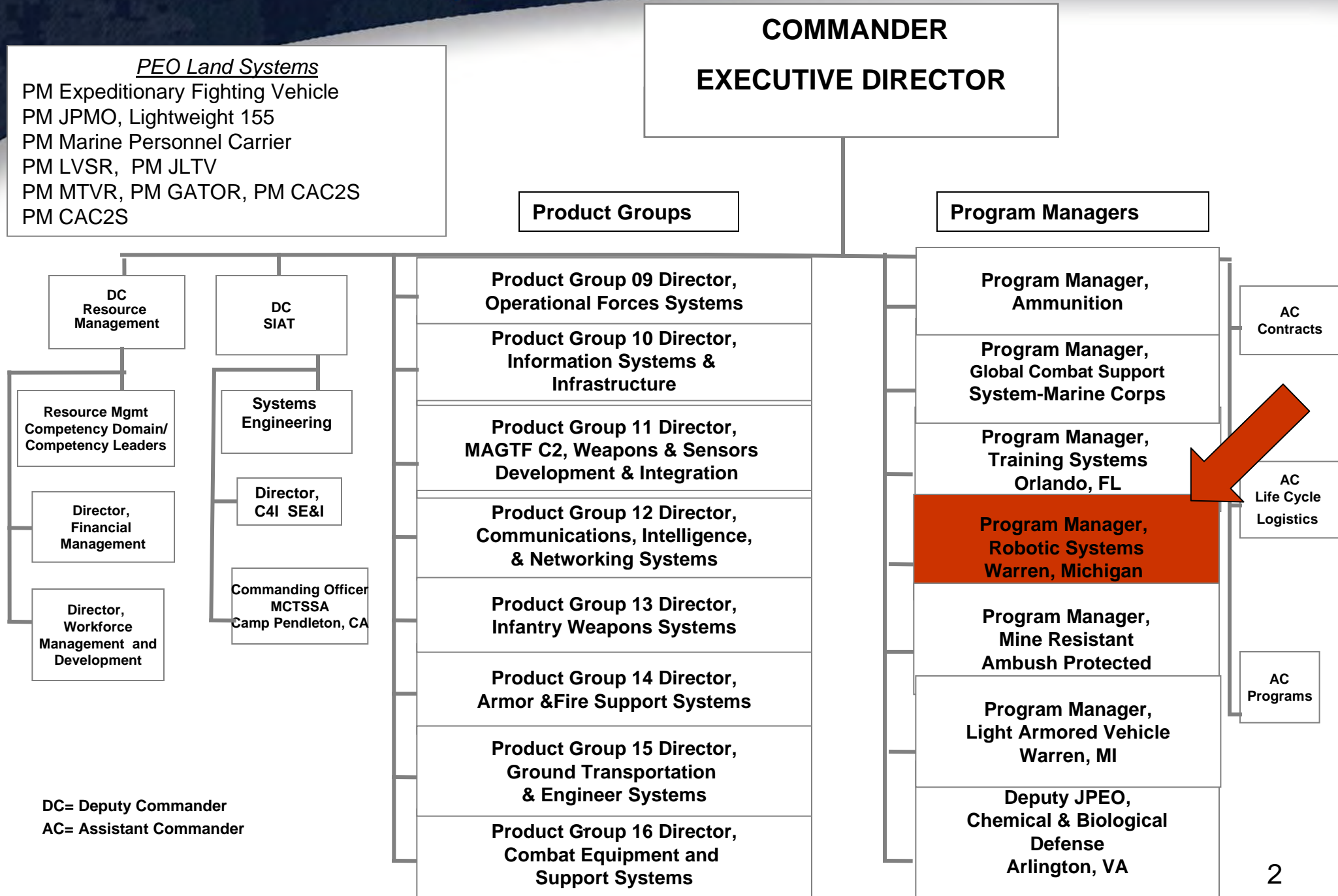
Robotic Systems Joint Project Office

Program Manager: Col J. R. Braden





EQUIPPING THE WARFIGHTER TO WIN





Adapting to the Changing World

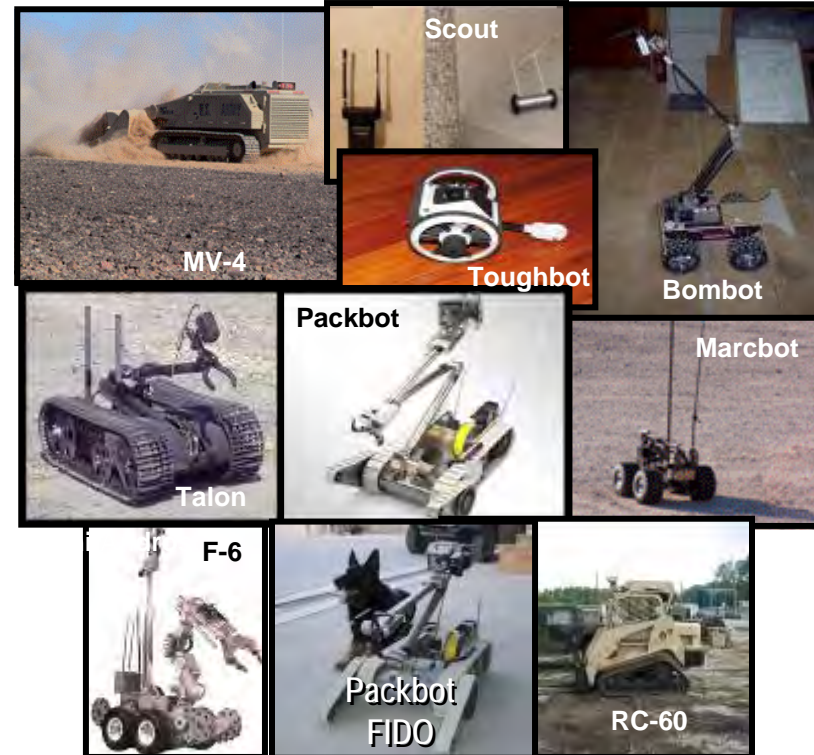
Mission

Maneuver

Maneuver Support

Sustainment

Robots Supported



TECHNOLOGICAL ADAPTATION
—Applying Technology to Close Gaps—
Accomplish the Mission, Reduce Attrition
ISO Our National Security Interests



PM Robotic Systems Joint Project Office – Col J. R. Braden

Near-Term Program Initiatives

- *xBot Fielding*
- *Training of Route Clearance Companies on MV-4B & Talon Robots*
- *Early Fielding of MV-4B*
- *FIDO Fielding To Stryker Brigades*
- *Route Runner Decision By JIEDDO*
- *Radio Upgrades For MTRS, Talon, etc*
- *BRAC – Program Office, Joint Robotic Repair & Fielding Activity (JRRF)*



EQUIPPING THE WARFIGHTER TO WIN

	FY08	FY09	FY10	FY11	FY12	FY13
<p>PROC Clearance Company</p>	\$23.8M	\$19.8M	\$19.6M	\$19.8M	\$49.4M	0.0
	Fielding & Sustainment					
<p>PROC Joint Robotics Repair & Fielding Activity (JRRF)</p>	\$66.1M	\$249.0M	\$297.0M	\$313.0M	\$328.0M	\$345.0M
	Fielding & Sustainment					
<p>PROC Miscellaneous</p>	\$4.8M					



PM Robotic Systems Joint Project Office – Col J. R. Braden

Future Program Initiatives

- **Combat Autonomous Mobility Systems (CAMS) JCTD**
- **Convoy Active Safety Technologies (CAST) JCTD**



PM Robotic Systems Joint Project Office – Col J. R. Braden

Needs From Industry

- **Improved Comms**
- **Batteries – Longer Life, Standardized**
- **Faster/More Agile**
- **Improved Optics/Night Vision**
- **Ideas & Innovations Are Still Desired**



PM Robotic Systems Joint Project Office – Col J. R. Braden

- **Next Speaker:**

Mr. Jim Shields

Program Manager

Joint Lightweight 155MM Howitzer



EXPEDITIONARY FIGHTING VEHICLE (EFV)



***National Defense Industrial Association (NDIA)
Advanced Planning Briefing to Industry***

13-14 May 08



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

Revolutionizing Expeditionary Maneuver Warfare

Future: EFV

Present: AAV

- **WWII Doctrine**
- **No Standoff Distance for ATF**
- **Slow Speed Amphibious Assault**
- **1960's Technology**
- **Limited Survivability**



- **EFV directly supports the Marine Corps' Capstone Concept: Expeditionary Maneuver Warfare**
- **The EFV will provide the tactical mobility asset required to spearhead the EMW concept and permit the Marine Corps to fully exploit littoral areas as maneuver space**
- **The EFV will allow immediate, high speed maneuver of Marine infantry units as they emerge from ships located beyond the horizon (25 nm and beyond)**
- **The EFV's unique combination of offensive firepower, armor, NBC protection, and high speed mobility on land and sea represent major breakthroughs in the ability of Naval and Marine expeditionary forces to avoid an enemy's strength and exploit its weakness**



**Leap Ahead to 21st Century
Technology**



EFV

MISSION ESSENTIAL FUNCTIONS



Move (Land)



Move (Water)



Shoot



Communicate



Carry




Protect

KEY PERFORMANCE PARAMETERS

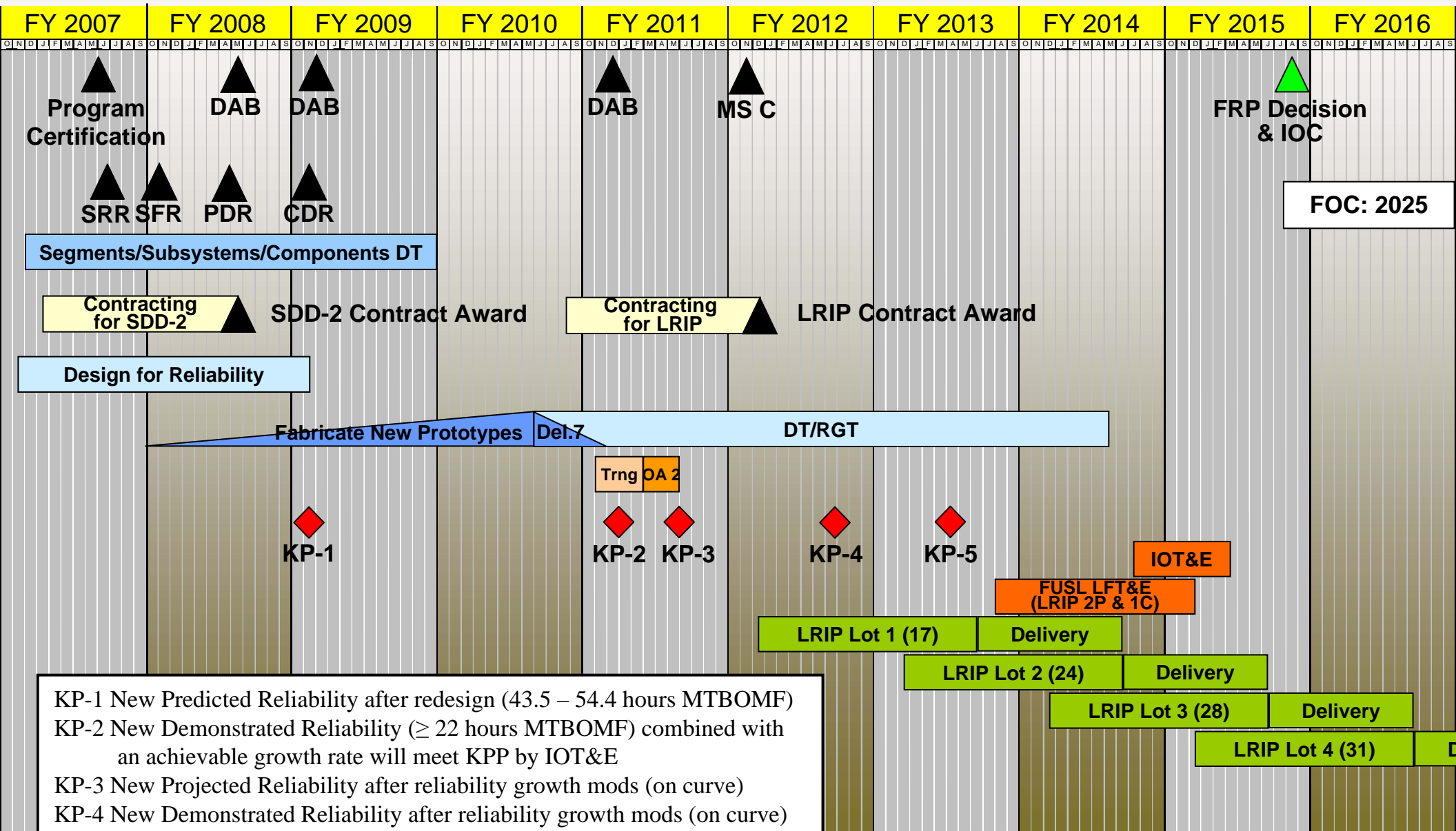


<u>CRITERIA</u>	<u>THRESHOLD</u>	<u>OBJECTIVE</u>
• High Water Speed - 2' significant wave height, for not less than one continuous hour	20 knots	25 knots
• Land Speed - Forward speed on hard surface road	69 kph	72 kph
• Firepower - Maximum effective range Interoperability/standard ammunition with other 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

PROGRAM UPDATE

13 AUGUST 2007 EFV PROGRAM STRUCTURE



KP-1 New Predicted Reliability after redesign (43.5 – 54.4 hours MTBOMF)
 KP-2 New Demonstrated Reliability (≥ 22 hours MTBOMF) combined with an achievable growth rate will meet KPP by IOT&E
 KP-3 New Projected Reliability after reliability growth mods (on curve)
 KP-4 New Demonstrated Reliability after reliability growth mods (on curve)
 KP-5 New Projected Reliability Meets KPP Requirement

CERTIFIED PROGRAM STRUCTURE



- **Redesign for reliability**
 - Instituting robust systems engineering processes
 - Extensive segments/subsystems/components developmental testing
- **Build new prototypes**
 - Prototypes will be fabricated as parts “earn their way in” through the design release/verification process
- **Conduct extensive testing on new vehicles**
 - Developmental Testing and Reliability Growth Testing
 - Confirmation program is on reliability growth curve
 - Operational Assessment to support Milestone C

PROGRAM UPDATE

SIGNIFICANT EVENTS



- **System Requirements Review completed 28 Jun 07**
- **System Functional Review completed 11 Dec 07**
- **System Development & Demonstration / Design for Reliability Integrated Baseline Review Completed 20 Dec 07**
 - Resulted in formal documentation of Performance Management Baseline issues
 - Established path to a realistic, reasonable, and complete plan to Critical Design Review
- **Defense Contract Management Agency Compliance Review 14-25 Jan 08**
- **Design for Reliability Contract Mod Definitized 17 Jan 08**
 - 51 Mission Essential Components included
 - Fault Tree Model continues to predict a design of 60.7 hrs mean Time Between Operational Mission Failure
- **Preliminary Design Review / Critical Design Review**
 - Schedule re-planned to incorporate Integrated Baseline Review, Design for Reliability definitization
 - Subsystem and Component Preliminary Design Reviews underway
- **System Development & Demonstration -2 Statement of Work finalized 25 Jan 08**
- **Finalizing System Development & Demonstration and Defense Acquisition Board Exit Criteria**
 - Pacing the final staffing of Acquisition Strategy Report, System Engineering Plan and Test and Evaluation Master Plan
- **System Software Review Conducted 28 Feb 08**
- **Capstone Preliminary Design Review Conducted 2 May 08**

PROGRAM UPDATE

FUTURE EVENTS



- **System Development & Demonstration -2** **May 08**
Defense Acquisition Board
- **System Development & Demonstration -2** **Jun 08**
Contract Award
- **Critical Design Review** **Nov 08**
- **Critical Design Review Defense** **Dec 08**
Acquisition Board



www.efv.usmc.mil

Systems Engineering, Interoperability, Architectures and Technology (SIAT)

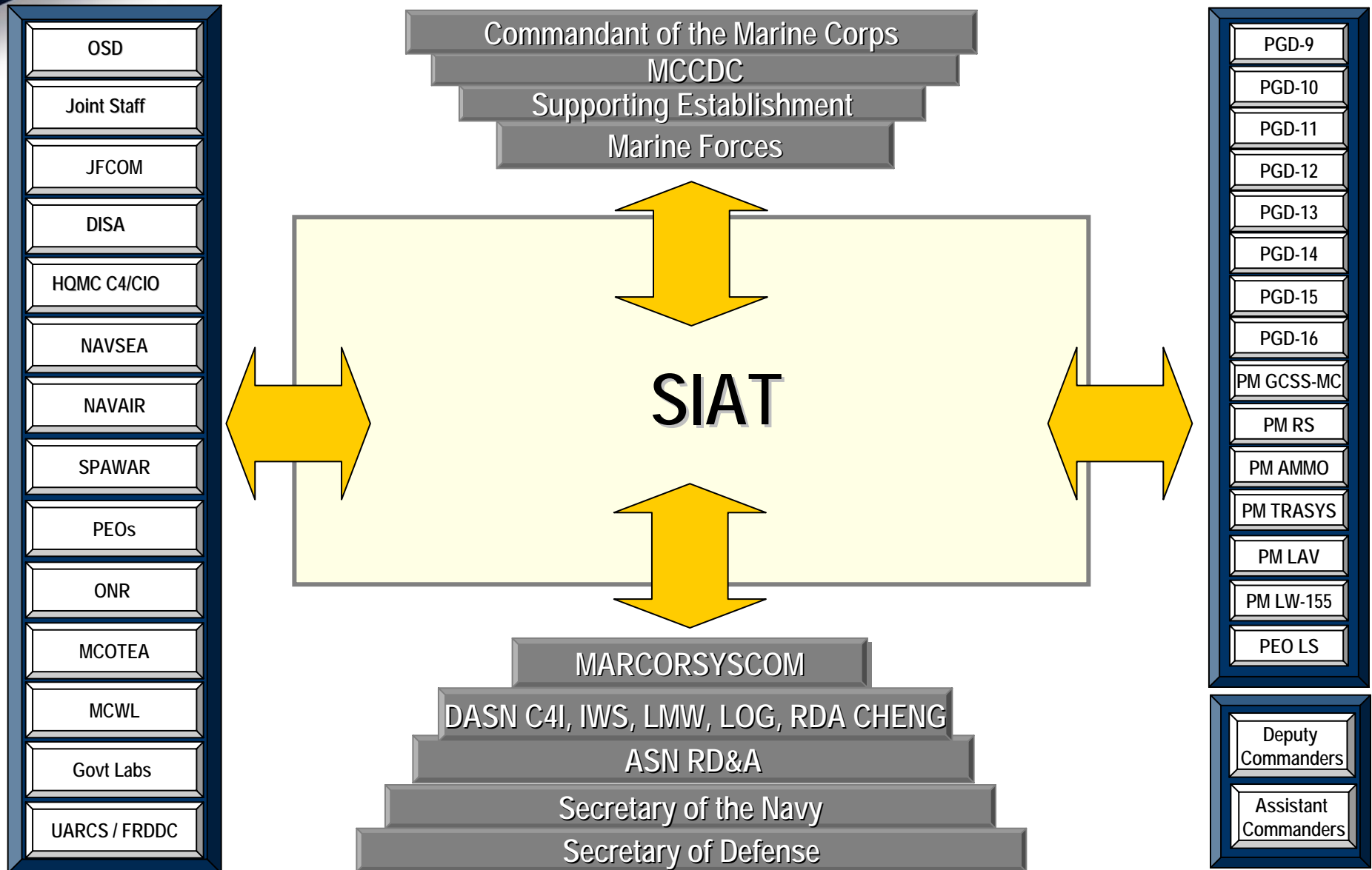


Mr. John D. Burrow



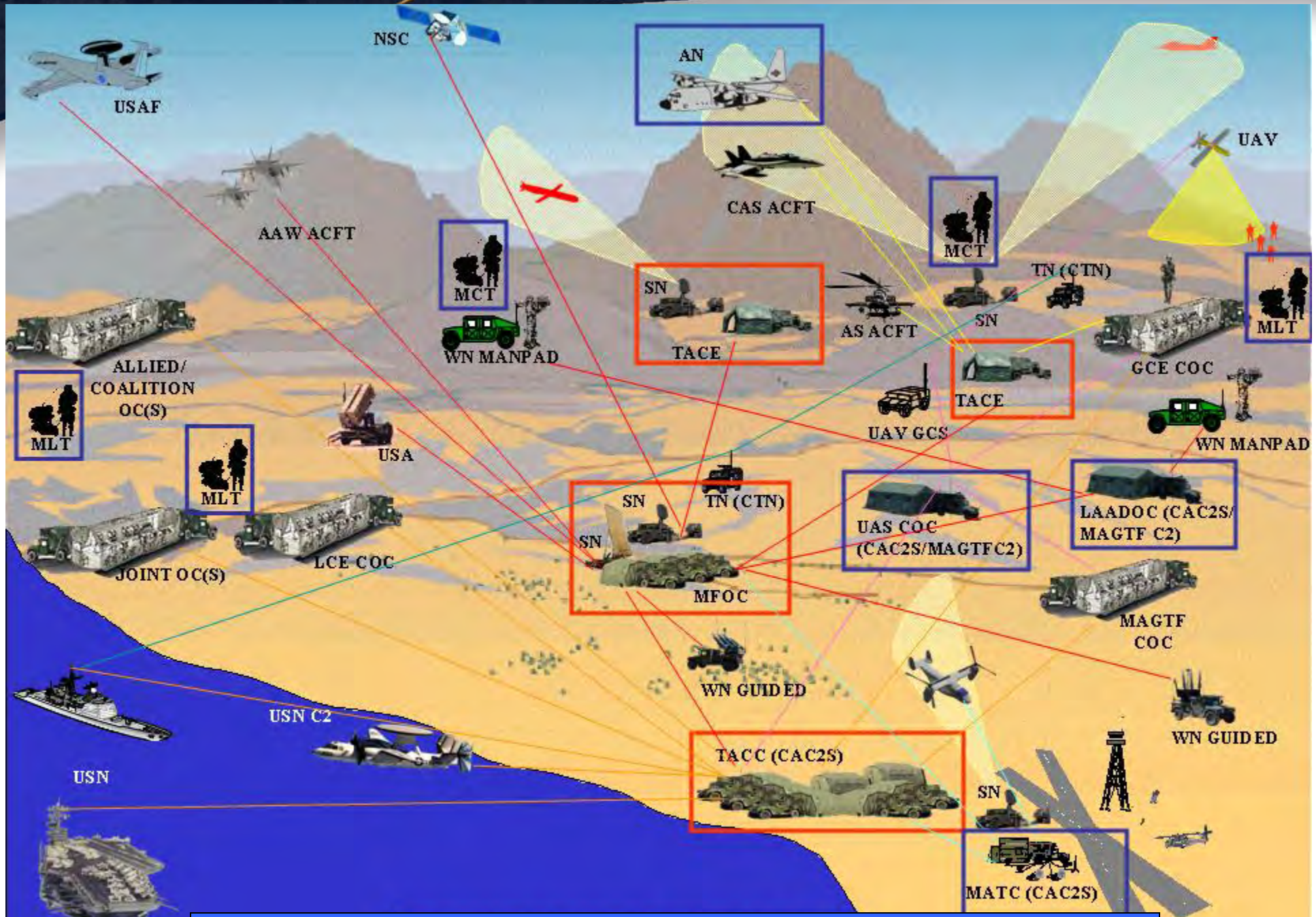


EQUIPPING THE WARFIGHTER TO WIN





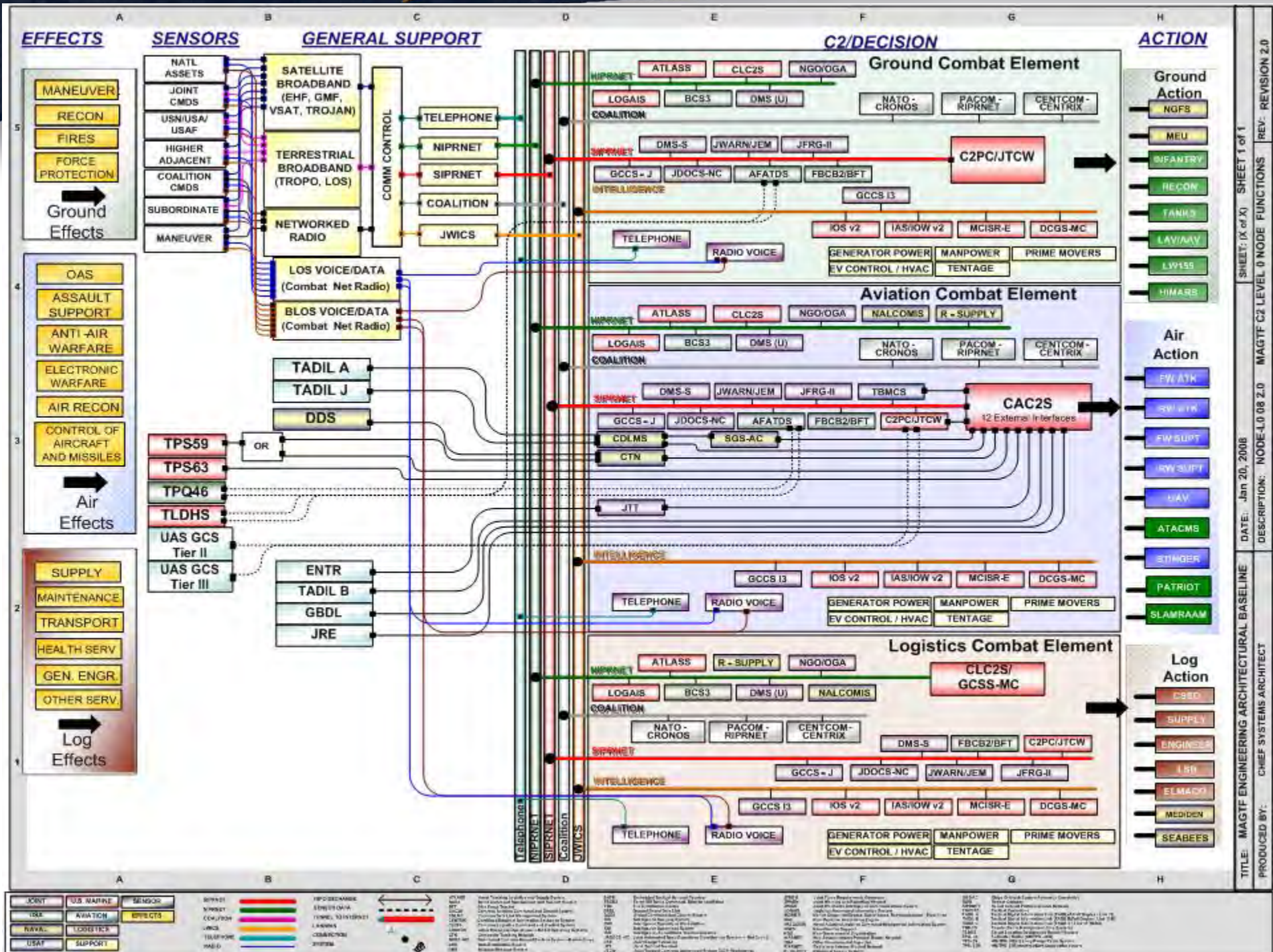
EQUIPPING THE WARFIGHTER TO WIN



Complex, Distributed, Integrated and Joint



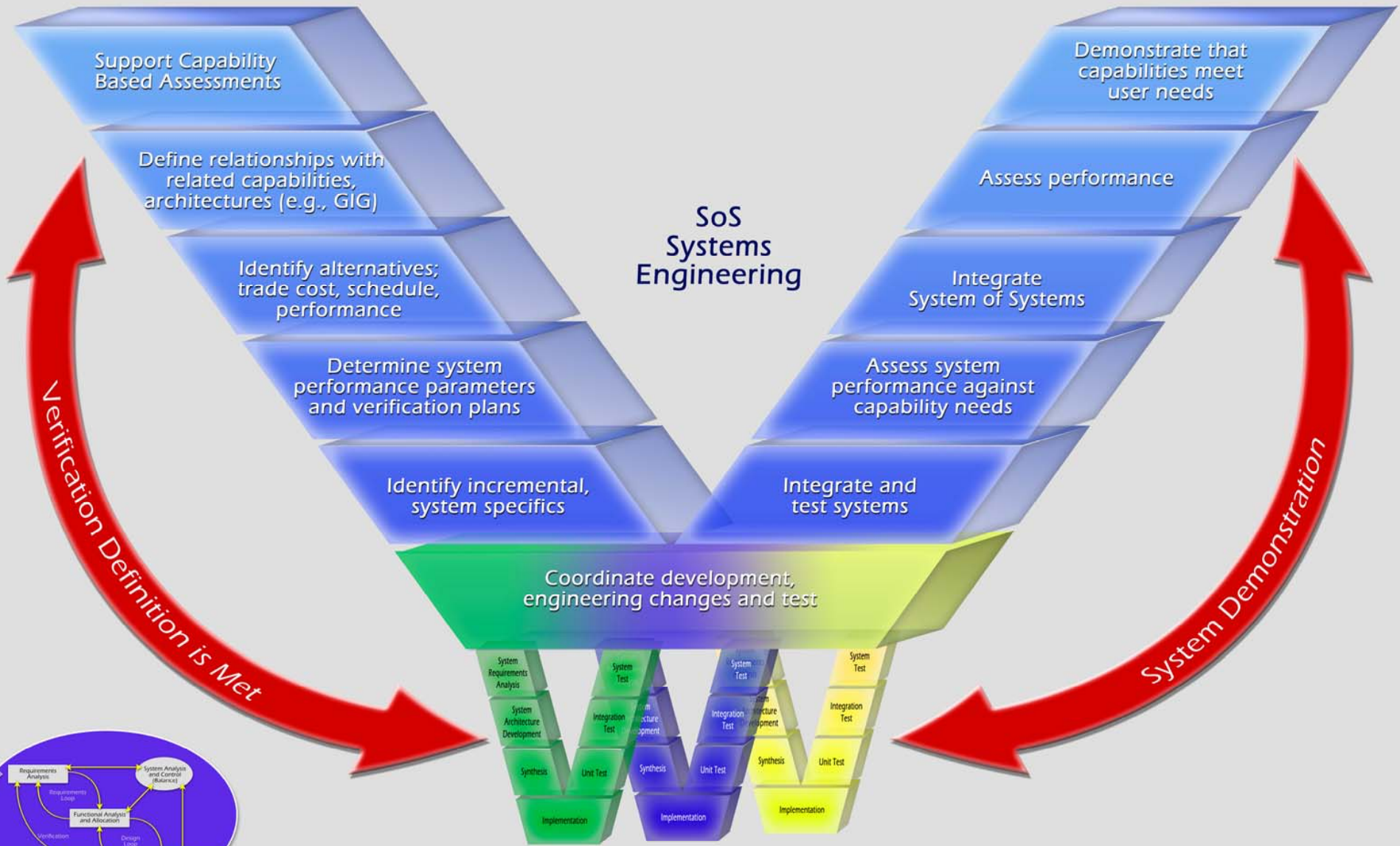
EQUIPPING THE WARFIGHTER TO WIN





EQUIPPING THE WARFIGHTER TO WIN

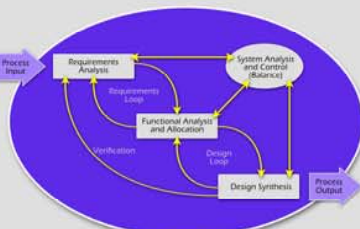
SYSTEM OF SYSTEMS SYSTEMS ENGINEERING



SoS
Systems
Engineering

Verification Definition is Met

System Demonstration



Program Systems Engineering



Science and Technology





What we need from you!

- **System of Systems thinking**
- **Leverage and influence Other Service acquisitions**
- **Marine Corps focused IRAD investments**
- **“Best and brightest”**
- **Capable, affordable and effective systems and products**

Information Systems & Infrastructure Product Group 10 Overview

Col Ed Daniel
Deputy Product Group Director





EQUIPPING THE WARFIGHTER TO WIN

**COMMANDER
EXECUTIVE DIRECTOR**

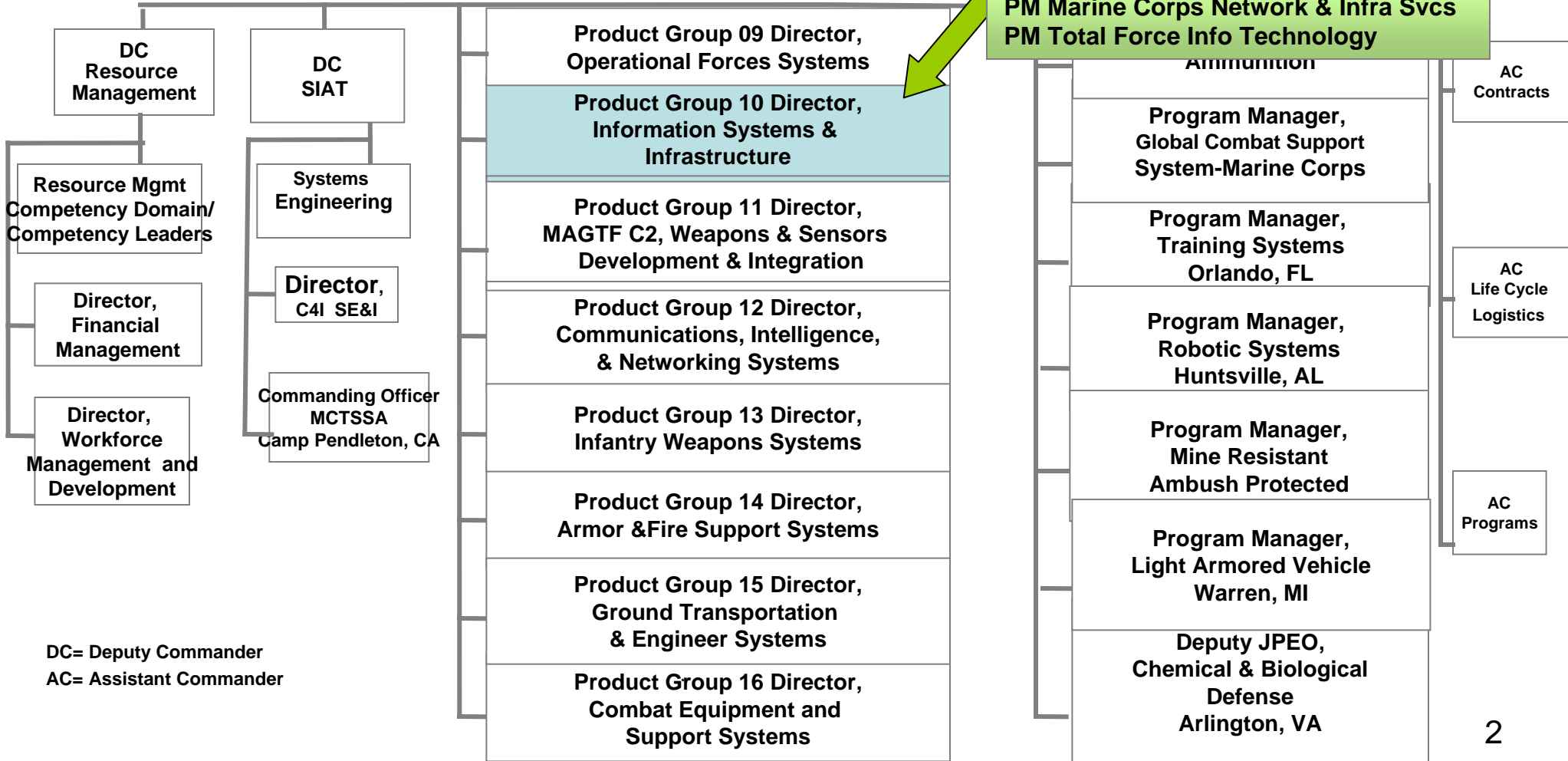
PEO Land Systems

- PM Expeditionary Fighting Vehicle
- PM JPMO, Lightweight 155
- PM Marine Personnel Carrier
- PM LVSR, PM JLTV
- PM MTRV, PM GATOR, PM CAC2S
- PM CAC2S

Product Groups

PG-10 Information Systems & Infrastructure

- PM Computing Platforms & Svcs
- PM Marine Corps Network & Infra Svcs
- PM Total Force Info Technology



DC= Deputy Commander
AC= Assistant Commander



Product Group Principals:

Director – Ms. Elizabeth Sedlacek

Deputy Director – Col Ed Daniel

Competency Alignment Team

- **Business Manager: *Ms. Sandra Switzer***
- **Contracts Manager: *Mr. Dave Berry***
- **Lead Financial Manager: *Ms. Mary Cooney***
- **Lead Logistician: *Ms. Kathy Embrey***

Present – *PG10 Information Systems & Infrastructure: Span of Control*

Supporting Infrastructure

Direct Support to Marine Corps

Direct Support to the Marine

Garrison Deployment Supporting Establishment Transition Reserves Training Retirement

Present – Supporting Infrastructure

Supporting Infrastructure

- Navy Marine Corps Intranet
- Marine Corps Enterprise IT Services
- Marine Corps Common Hardware Suite

Present – Direct support to the Marine Corps

Supporting Infrastructure

Direct Support to Marine Corps

Direct Support to the Marine

- Total Force Manpower Models Reengineering
- Total Force Structure Management System

Garrison Deployment Supporting Establishment Transition Reserves Training Retirement

Present – Direct support to the Marine

Supporting Infrastructure

Direct Support to Marine Corps

Direct Support to the Marine

- **Total Force Administration System / Marine Online**
- **Marine Corps Total Force System**
- **Defense Integrated Military Human Resource System**
- **Operational Data Storage Enterprise**
- **Total Force Data Warehouse**
- **Unit Diary Marine Integrated Personnel System**
- **Defense Personnel Record Imaging System**
- **Automated Performance Evaluation System**



ISI FYDP Investments

		FY08	FY09	FY10	FY11	FY12	FY13
CPS	RDT&E	FY08 \$11.9M	FY09 \$21.6M	FY10 \$8.8M	FY11 \$9.9M	FY12 \$8.7M	FY13 \$8.6M
	PMC	\$118.0M	\$119.5M	\$112.5M	\$75.9M	\$76.1M	\$101.1M
	MCHS, TSP, JFRG, PKI, DMS, MCEITS, BTI, PKI/PKE, MCNOSC, MCSELMS						
TFITS	RDT&E	FY08 \$14.6M	FY09 \$16.4M	FY10 \$10.9M	FY11 \$10.1M	FY12 \$10.5M	FY13 \$8.9M
	PMC	\$18.2M	\$14.1M	\$15.5M	\$18.7M	\$20.3M	\$20.3M
	TSP, JFRG, AIT, MOS, MPS, TFSMS, DIMHRS, TMIP						
MCNIS	O&MMC/R	FY08 \$393.2M	FY09 \$437.1M	FY10 \$456.7M	FY11 \$460.1M	FY12 \$469.7M	FY13 \$479.4M
	NMCI Svcs & SIPR (FY08-10), NGEN Svcs & SIPR (FY11-13)						



- **Growing number and complexity of requirements**
- **Balancing and controlling centralized vs. ‘Do-It-Yourself’ efforts**
- **Supporting Infrastructure and Applications**
- **Complete dependence on partners for technical service delivery**

SO WHAT?

- **Makes good partnerships with industry all the more critical to our success**
- **Key’s are clarity, simplicity, discipline**



- **Long term partnerships**
- **\$3+B spend over next 5 yrs**



- Introduce Al Cruz, PM MCNIS

**Information Systems and Infrastructure
Product Group 10
PM, Marine Corps Network and
Infrastructure Services**

Program Manager: Mr. Al Cruz





PM Marine Corps Network and Infrastructure Services Mr. Cruz

Mission: *Acquire quality Information Technology services for Marine Corps Operating Forces to accomplish their war-fighting mission*

Portfolio Characteristics:

- Centrally manage funds for all USMC Information Technology (IT) seat services procured through the NMCI contract.
- Coordinate the acquisition of new/emerging USMC IT services

Timeline: Use the Navy Marine Corps Intranet services contract through FY10, and prepare to use new IT service contract(s) starting in FY09

Industry Engagement:

- Transparency of end-user services between the business and warfighting environments
- End-User experience (satisfaction for end-user services)
- Asset and configuration management services



		FY08	FY09	FY10	FY11	FY12	FY13
MCNIS	O&MMC/R	\$393.2M	\$437.1M	\$456.7M	\$460.1M	\$469.7M	\$479.4M

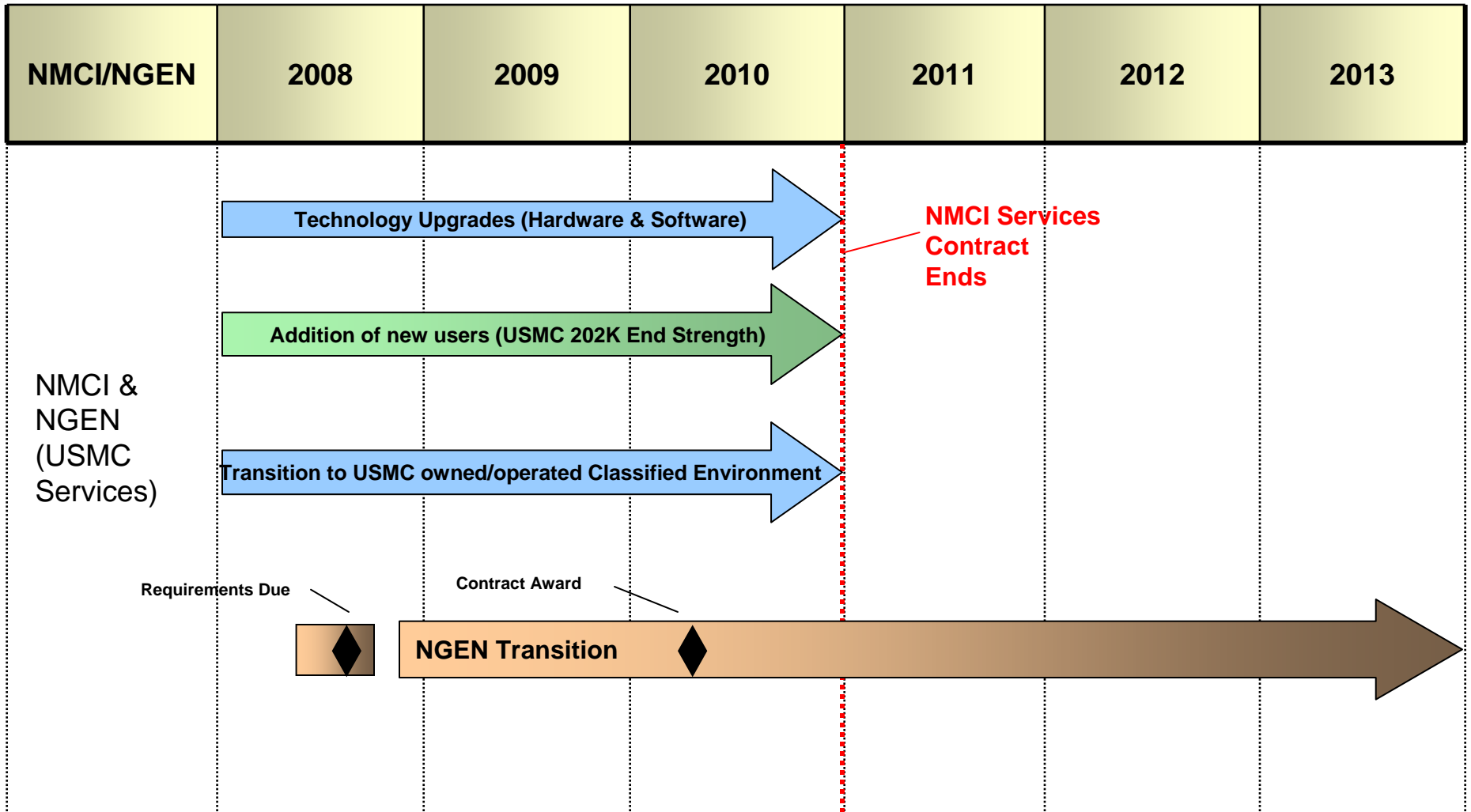
Note: PM MCNIS does not have any development or procurement funds . All IT network services are acquired via the NMCI services contract, and are renewed per fiscal year

- **Description of the Navy Marine Corps Intranet (NMCI) Services Contract:**
- NMCI is a contract to procure voice, video and data services for the entire CONUS based Department of the Navy, plus Hawaii, Alaska and Okinawa
 - EDS owns the network (infrastructure & intellectual property)
 - Contract timeline from 1 Oct 2000 to 30 Sep 2010
 - Managed by a Department of the Navy (DoN) Program Office under the Program Executive Office, Enterprise Information Systems (PEO EIS)



PM Marine Corps Network and Infrastructure Services Mr. Cruz

Near-Term / Future Program Initiatives (FY)





PM Marine Corps Network and Infrastructure Services Mr. Cruz

Emergent Capabilities/Opportunities

New Department of the Navy IT Services Contract(s)
starting in 2009 (Next Generation or NGEN)

Continuity of Operations (COOP) for IT Network
Services

Information Assurance

Convergence of Network Services (Voice/Video/Data)



PM Marine Corps Network and Infrastructure Services Mr. Cruz

- Introduce the next speaker:

Name: Mr. Ken Beutel, PM CPS

**Information Systems and
Infrastructure
Product Group 10
PM, Computing Platforms and
Systems**

Program Manager: Ken Beutel





PM Computing Platforms and Services Mr. Beutel

Description: *Establish, sustain and continuously refine Marine Corps standard computing platforms and services as tested, certified and reusable components of a information technology framework from tactical warfighting to complex business systems.*

Portfolio Characteristics:

- Commercial-off-the-Shelf (COTS) hardware and software
- Additional packaging as scalable, modular, interoperable components used by many programs across multiple product groups
- Early adopter-managed hosting and data mastering capabilities
- Net-centric services for community of interest and joint integration

Timeline: Now with 2 new starts in FY10

Industry Engagement:

- Hardware and software Value Added Resellers and Original Equipment Manufacturers
- Asset and Configuration Management services
- Service Level Management planning



		FY08	FY09	FY10	FY11	FY12	FY13	
COTS Hardware and Software	RDT&E	FY08	FY09	FY10	FY11	FY12	FY13	
	PMC	\$1.1M	\$1.6M	\$1.6M	\$1.6M	\$1.6M	\$1.7M	
		\$85.7M	\$95.4M	\$84.5M	\$51.4M	\$46.2M	\$65.5M	
		MCHS						
	MCSELMS							
Network Systems and Infrastructure	RDT&E	FY08	FY09	FY10	FY11	FY12	FY13	
	PMC	\$0.3M	\$0.6M	\$0.6M	\$0.6M	\$0.5M	\$0.5M	
		\$24.0M	\$18.8M	\$22.3M	\$18.0M	\$19.5M	\$23.0M	
		Base Telecom Infra			MAGTF C2 Enterprise Telecom Infra			
		MCNOSC						
		SIPR Infra			MAGTF C2 Warfighting Network Services			
		Defense Message System						
Enterprise Services	RDT&E	\$10.5M	\$19.4M	\$6.6M	\$7.7M	\$6.5M	\$6.5M	
	PMC	\$8.3M	\$5.2M	\$5.7M	\$6.5M	\$10.4M	\$12.6M	
		MCEITS Block 1			MCEITS Block 2			
	Identity and Access Management Services (PKI,PKE)							



PM Computing Platforms and Services Mr. Beutel

Near-Term Program Initiatives (next 180 days)

- **Marine Corps Common Hardware Suite (MCHS)**
 - Laptop and Desktop Blanket Purchase Agreement (BPA)
 - Storage BPA
 - Server BPA
 - Rapid Technology Insertion
- **Marine Corps Software Enterprise License Mgmt System (MCSELMS)**
 - Microsoft Enterprise Agreement
 - Data at Rest Encryption
- **Base Telecommunications Infrastructure**
 - Outside Cable Plant (various bases)
 - Enterprise Switch/Voice Mail Software
 - Secure wireless (classified/unclassified)
- **Marine Corps Enterprise IT Services (MCEITS)**
 - Systems Integration Indefinite delivery Indefinite Quantity (IDIQ)



PM Computing Platforms and Services Mr. Beutel

Future Program Initiatives (Next two FYs)

- ***Voice over Internet Protocol (VOIP)***
- ***Energy efficient computing systems/environments***
- ***Network design and operation services***
- ***Modular Data Centers***
- ***Software as a Service***
- ***Electronic Records Management (ERM)***
- ***Business Process and Web services management***
- ***Enhanced Business Intelligence tools***
- ***Virtualization and dynamic workload management tools***



PM Computing Platforms and Services Mr. Beutel

Emergent Capabilities/Opportunities

Strategic Information Management tools

IT Consolidation and Data Center operations (including autonomic and remote management)

Marine Air-Ground Task Force Command and Control (MAGTF C2) System of Systems Integration and Test

Enterprise response to Digital Natives



PM Computing Platforms and Services Mr. Beutel

- Introduce the next speaker:

Name: Sonia Kitchen, PM TFITS

**Information Systems and
Infrastructure
Product Group 10
PM, Total Force Information
Technology Systems**

Program Manager: Ms. Sonia Kitchen





PM Total Force Information Technology Systems Ms. Kitchen

Description: To provide enterprise solutions and lifecycle acquisition support for USMC IT systems in the Human Resources, Transportation and Distribution, Automated Identification Technologies and eBusiness domains

Manage the USMC Enterprise Application Stack

Maintain six major IT portfolios – MOS, MPS, eBusiness, Unit Move, Unit Sustainment and In-Transit Visibility/AIT

4th Quarter FY08, FY09 and beyond

Help from Industry in the software and hardware arenas, COTS configuration and integration onto existing legacy systems and enterprise content and information management tools



PM Total Force Information Technology Systems Ms. Kitchen

Near-Term Program Initiatives (next 180 days)

Overall Program Office Support In the areas of

- 1. Life Cycle Cost Estimates***
- 2. Enterprise Content Management /Delivery***
- 3. Automated Workflow Tools/Electronic Document Management***
- 4. Requirements Translation to Industry***
- 5. Enterprise Architecture***

Transportation and Distribution Information Systems (TDIS)

- Automatic Identification and Data Capture (AIDC) Solution Center***

Manpower Systems

- Total Force Retention System (TFRS)***
- Unit Diary Marine Integrated Personnel System (UDMIPS)***

eBusiness Systems

- Marine Corps Automated Tracking System (MCATS)***



		FY08	FY09	FY10	FY11	FY12	FY13
Manpower	RDT&E	FY08 \$13.1M	FY09 \$11.0M	FY10 \$6.4M	FY11 \$5.7M	FY12 \$5.2M	FY13 \$4.8M
	PMC	\$14.4M	\$12.5M	\$14.2M	\$16.9M	\$19.1M	\$19.1M
	MOS, MPS, TFSMS, DIMHRS, TMIP						
TDIS	RDT&E	FY08 \$1.5M	FY09 \$5.4M	FY10 \$4.4M	FY11 \$4.4M	FY12 \$5.3M	FY13 \$4.1M
	PMC	\$3.8M	\$1.6M	\$1.4M	\$1.9M	\$1.2M	\$1.2M
	TSP, JFRG, AIT						



Future Program Initiatives

1. *Hosting Environments*
2. *Software as a Service Modeling/On-Demand Software*
3. *Self-Service Applications*
4. *Digital Asset Management*
5. *Portfolio Management*

FY09 and Beyond/ Lifecycle Acquisition Support/ Sustainment

- *Marine Online (MOL) – FY09 New Competition*
- *Civilian Workforce Development Application (CWDA) – FY09 Recompete*
- *Automated Personnel Evaluation System (APES) and Defense Personnel Readiness Information System – FY09 Recompete*
- *Total Force Admin System (TFAS)*
 - *Drill Management Module – FY09 Recompete*
 - *Secured Personnel Accounting – FY10 Recompete*
- *Various POM-10 Initiatives in the areas of RFID (Active/Passive), Self-Service HR and Content/Workflow Management, Web Services*



PM Total Force Information Technology Systems Ms. Kitchen

Systems/IT Standards within DoD

**Web Content Management and Distribution to the
Edge/Deployed Environment**

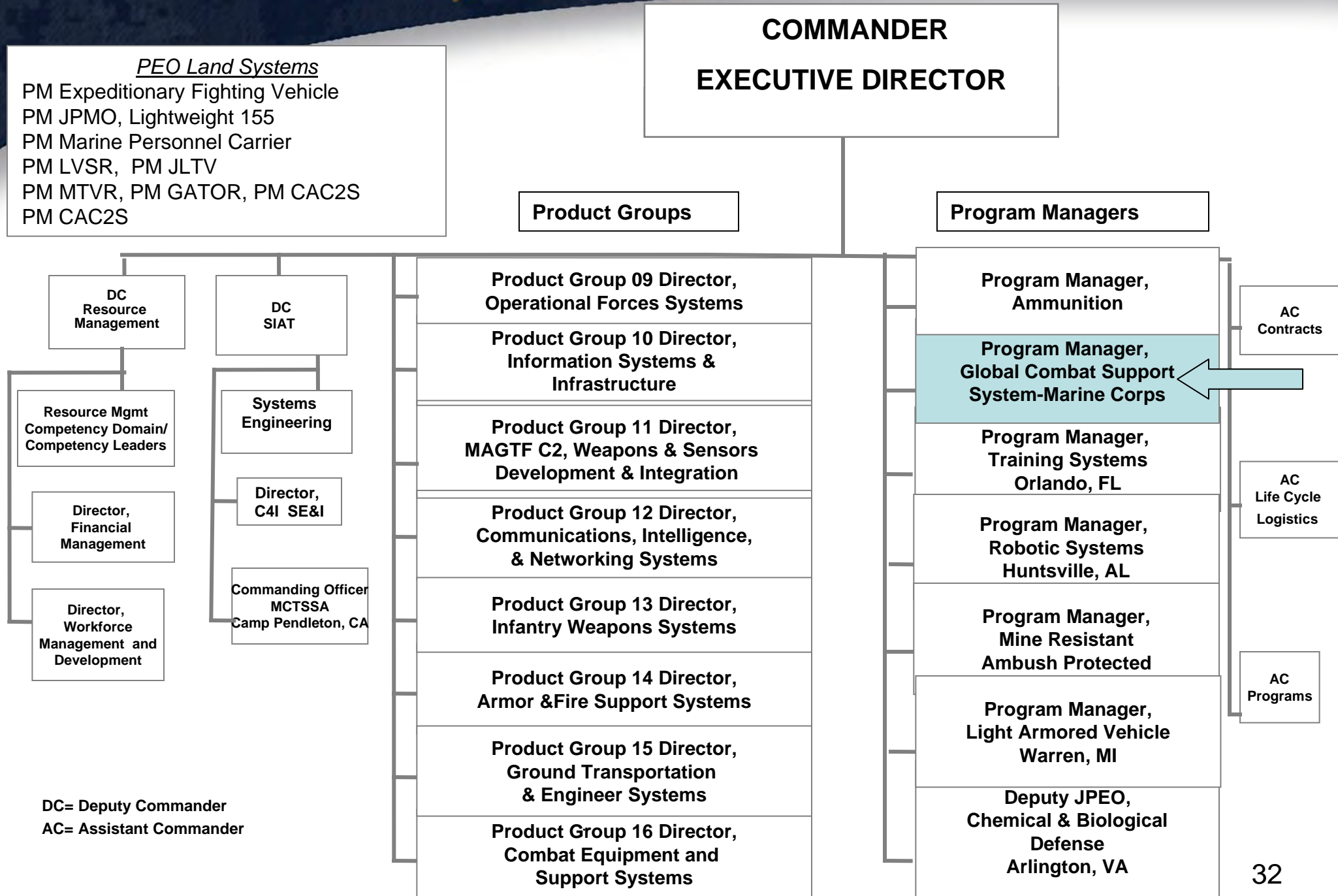
**Enterprise Application Integration/
Enterprise Information Integration Efforts**

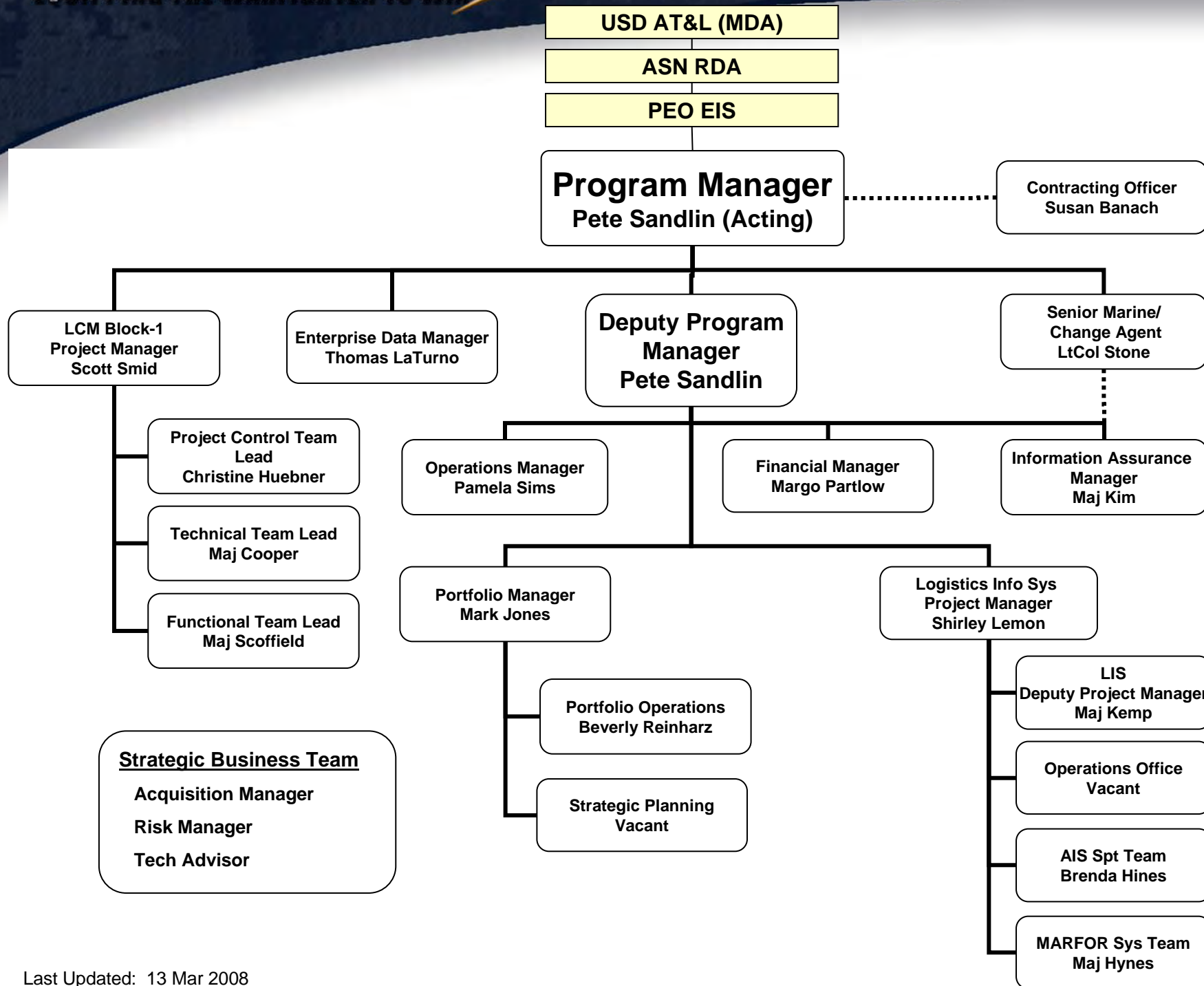
User Experience (UX)

**Global Combat Support System-
Marine Corp
(GCSS-MC)**

Program Manager: Pete Sandlin (Acting)
Portfolio Manager: Mark Jones
Senior Marine: LtCol Jim Stone









- Logistics IT Modernization
 - Logistics Chain Management in a Shared Data Environment
 - Replacing 40 year old Stove Pipe Systems
- ACAT 1AM Acquisition Program
- COTS Oracle E-Business Suite
- Firm Fixed Price/Time & Material Hybrid Contracting Strategy
- Incremental Developmental Approach



GCSS-MC Blk 1

- Solution Design Complete
- System Integrator Build and Test
 - Test Readiness Review (April 08)
 - Technical Scenario Events (May - Nov 2008)
- Government Development Testing
 - Readiness Review (Jan 2009)
 - Test Events (Jan - April 2009)
- Production Readiness Review (May 2009)



- Block 1
 - Supply, Maintenance, Mission Planning/Task Organization (Focus on Deployed Forces)
- Block 2
 - Enterprise Supply and Warehouse, Automated Information Technology (RFID, Bar Code, IUID)
 - Transportation, Distribution, In-Transit Visibility
 - Enterprise Maintenance
 - Logistics Chain Planning and Decision Support
- Block 3
 - Life Cycle Management
 - General Engineering
 - Health Services



Current PB 09 Funding

Appropriations	FY 08	FY 09
RDT&E	\$30.2M	\$6.4M
PMC	\$0	\$18.3M
O&M	\$6.8M	\$4.0M



Where can Industry Help?

- System Integration
 - Oracle E-Business Suite Enterprise Resource Planning (ERP) Software
- Program Management Office Support
 - Commercial Enterprise Omnibus Support Services (CEOSS)
- Post Deployment Sustainment and Support
- Design for Future Increments
 - Automated Information Technology Implementation
 - Warehouse, Transportation, Distribution Solutioning
- Legacy Data Conversion, Cleansing, Migration
- NetCentric Data Exchange Standardization



Question & Answer

(10 Minutes)

Colonel Bill Taylor

PEO LAND SYSTEMS MARINE CORPS

*Advanced Planning
Briefing To Industry
Tuesday, 13 May 08*



IT'S ALL ABOUT THE WARFIGHTER

Hyatt Regency Hotel, Baltimore, MD



IT'S ALL ABOUT THE WARFIGHTER



Focus, Discipline & Collaboration



Why PEO LS?

21 Aug 06
MROC decision Memo 47-2006 “The MROC supports the establishment of a Marine Corps PEO using the matrixed organizational concept.”



5 Feb 07
PEO LS Charter Established by ASN(RDA)



1 Oct 07
PEO LS declared Fully Operational Capable (FOC) by ASN (RDA)

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



What is a PEO?

DOD INST 5000.2

- “...Component Acquisition Executives (CAE) shall assign acquisition program responsibilities to a PEO for ACAT I programs...or any other ***program determined by the CAE to require dedicated executive management***”
- “The PEO shall be dedicated to executive management and ***shall not have other command or staff responsibilities***”

•SECNAV INST 5400.15B

- “PEOs will report directly to the Naval Acquisition Executive for all matters pertaining to acquisition”
- “PEOs devote full-time attention to managing their assigned programs and related technical support resources”

•**General Rule:** PEOs exercise ***authority for management of all ACAT Is & IIs.***



Key Foundation Decisions

- Collocate w/ MARCORSYSCOM
- Start with Lean Staff – Competency Aligned
- Value Our Credibility as Bedrock
- Recruit from Diverse Sources – Familiar & Fresh
- Help MARCORSYSCOM Build Technical Authority and Standardized Processes
- Balance Oversight and PM “Command” Responsibility . . . (“Smart Oversight”)
- Innovate Against Program Risk, e.g., Implement Probability of Program Success



Introducing the SYSCOM-PEO Competency Aligned Organization Model to the Marine Corps

PEO LS is a separate command reporting to ASN (RDA) but.....

- **Collocated with Marine Corps Systems Command**
 - Similar to alignment between other DON PEOs and SYSCOMs
 - Leverages MCSC infrastructure & services
 - Operating Agreement approved 4 Apr 2007
- **Major SYSCOM Roles (SECNAV INST 5400.15B)**
 - Provide support services to PEOs without duplicating management responsibilities
 - Provide for In-Service Support
 - Manage / MDA for programs not assigned to PEO structure
- **Major Support Services (SECNAV INST 5400.15B)**
 - Oversee standard policies, technical processes and core competencies:
 - Systems Engineering
 - Integrated Logistics Support
 - Contracting
 - Finance / Comptroller



Our Mission

“Program Executive Officer Land Systems (PEO LS) will meet the Warfighter’s needs by devoting full-time attention to Marine Corps Weapon Systems acquisition, while partnering with Marine Corps Systems Command, in order to develop, deliver, and provide life-cycle planning for assigned programs.”



PEO LS PURSUIT OF EXCELLENCE

FOCUS

DISCIPLINE

COLLABORATION

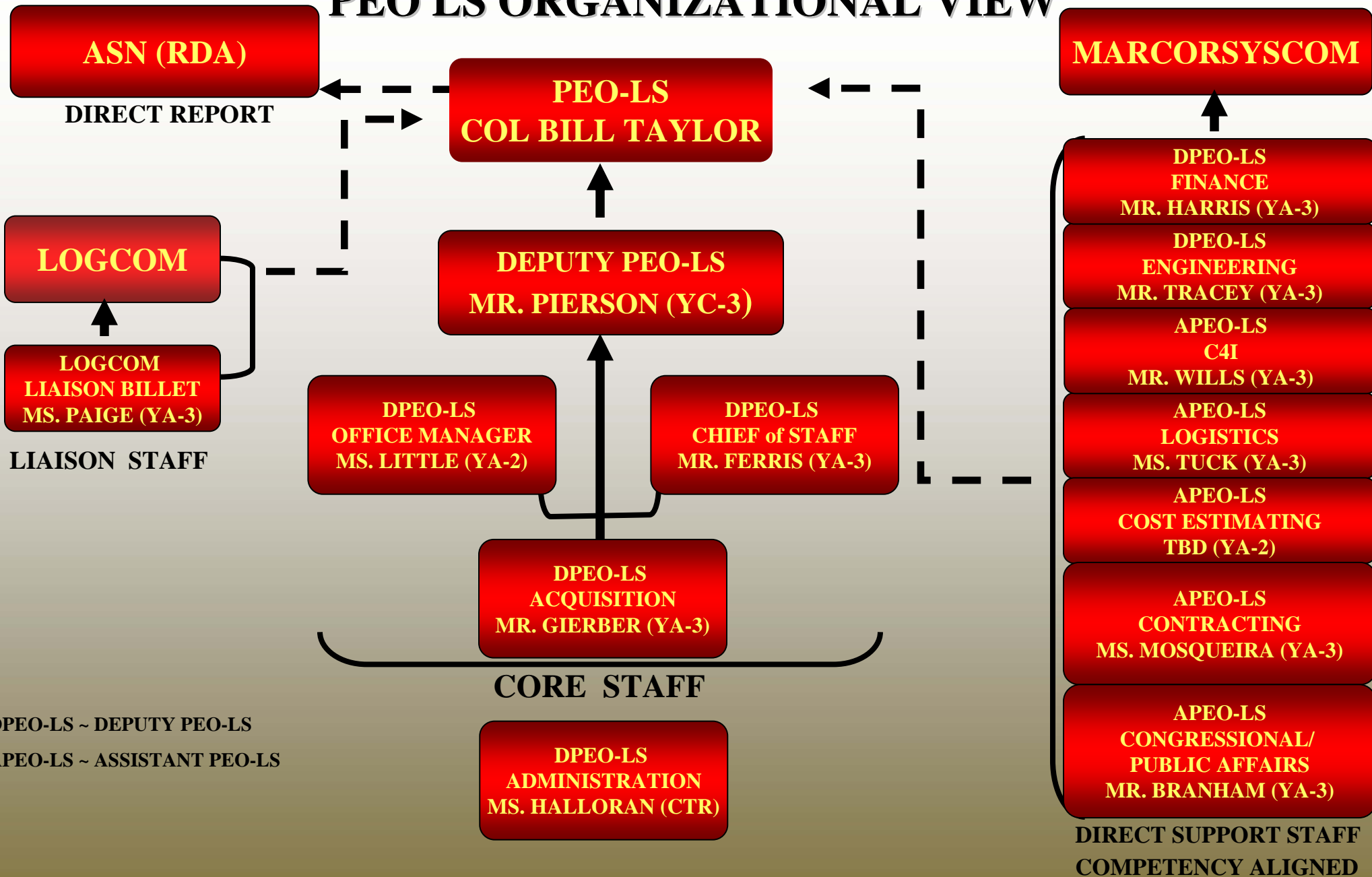




Focus

- Magnify effects of concentrated program management on eight MDAPS.**
- Empower a multi-functional team through highly-talented competency leads**
- Rely on SYSCOM for infrastructure in order to keep vigilant specificity of our mission**

PEO LS ORGANIZATIONAL VIEW



PEO LS PORTFOLIO IS \$9.7B ACROSS THE FUTURE YEARS DEFENSE PROGRAM (FYDP).

LW155

LVSR

MTVR

EFV

MPC

JLTV

CAC2S

G/ATOR



... Discipline

- Strategic Objectives/FY Goals
- SERB – EFV – Reliability Growth Plan
- Qtrly Program Reviews (Transparency & Advocacy)
- PoPs Training and Adaptation
- PoPs Baseline Review
- Competency Alignment – Not Ownership
- Lean Six Sigma
- Gate Reviews
- Testing Preparation, Clarity & Engagement
- POM Stability



... Collaborative Effort

- MARCORSYSCOM**
 - E.g., Technical Authority & Competency Alignment**
- STAKEHOLDERS -**
 - Promote advocacy for our programs through transparency**
 - Deputy Commandants (CDI, P&R, Air, PP&O, I&L),**
 - MCOTEA**
 - LOGCOM**
- Leadership**
 - ASN RDA**
 - USD(AT&L)**
 - Marine Corps**
 - Other Services**



We are “All About The Warfighter”

- ❑ **PEO LS has entire Marine Corps’ Future Tactical Mobility with enhanced survivability**
 - EFV
 - MPC
 - JLTV

- ❑ **Two Programs in Full-Rate Production**
 - LW155 (M777)/Employed in Afghanistan & Iraq
 - MTVR w/MAS/Over 2,000 delivered

- ❑ **MCWL Engagement –”Art of the Possible”**

PEO LS Program Portfolio

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)





Walk the Talk

- Chartered EFV Post Nun-McCurdy SERB
- EFV ADM Burn-down
- PEO LS Achieved FOC Oct 2007
- PMs don't chair Technical Reviews, e.g., G/ATOR PDR – DC SIAT
- CAC2S - Added LRIP Phase, Established DT Exit Criteria and Achieved MS C; re-designated ACAT IAC (MAIS)
- JLTV - Achieved MS A; Signed MOA w/ Army
- MTRV – Re-designated from ACAT I to ACAT II; Completed PoPs Baseline and Gate Review
- LVSR – Gained APBA Approval; PoPs Baseline & Gate Review
- Became established expert on PoPs

*Focus * Discipline * Collaboration * It's All About the Warfighter*



Sustainment is not an after-thought

- Partnering (MOA) with LOGCOM
- Institute Logistics Program Reviews
- Ensure ILA readiness
- Currently developing an IOC Supportability Review (IOCSR) Process



Questions?

Contact Us

at

PEO LS@usmc.mil

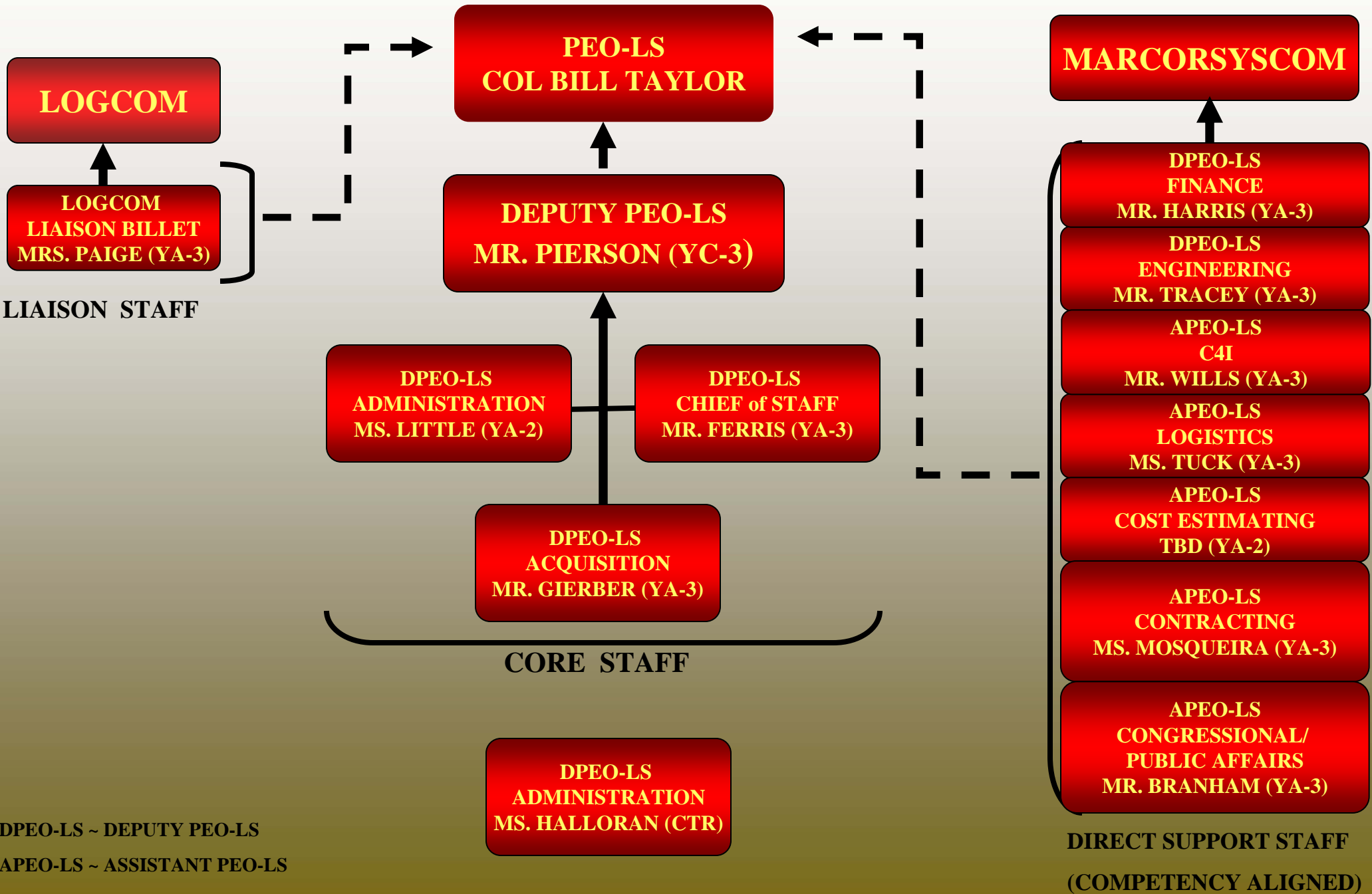
PEO LAND SYSTEMS MARINE CORPS

IT'S ALL ABOUT THE WARFIGHTER



Backups

PEO LS Organization





Focus on Technology

- **Lightweight armor**
- **Reduced C2 footprints**
- **Heads up displays**
- **Hybrid Technology**
- **Integrated power generation**
- **Crew noise reduction**

PEO LAND SYSTEMS MARINE CORPS

IT'S ALL ABOUT THE WARFIGHTER



Mr. Barry Dillon
Executive Director
Marine Corps Systems
Command



MARINE CORPS SYSTEMS COMMAND

EQUIPPING THE WARFIGHTER TO WIN





- Urgent Universal Needs Statement (UUNS)
- Modernization
 - Threat Driven
 - Good Business
- Expeditionary
- Reset the Equipment



“ Some people spend an entire lifetime wondering if they made a difference . The Marines don’t have that problem.”

President Ronald Reagan

Combat Equipment and Support Systems Product Group 16

Overview

Col Ed Smith, Product Group Director





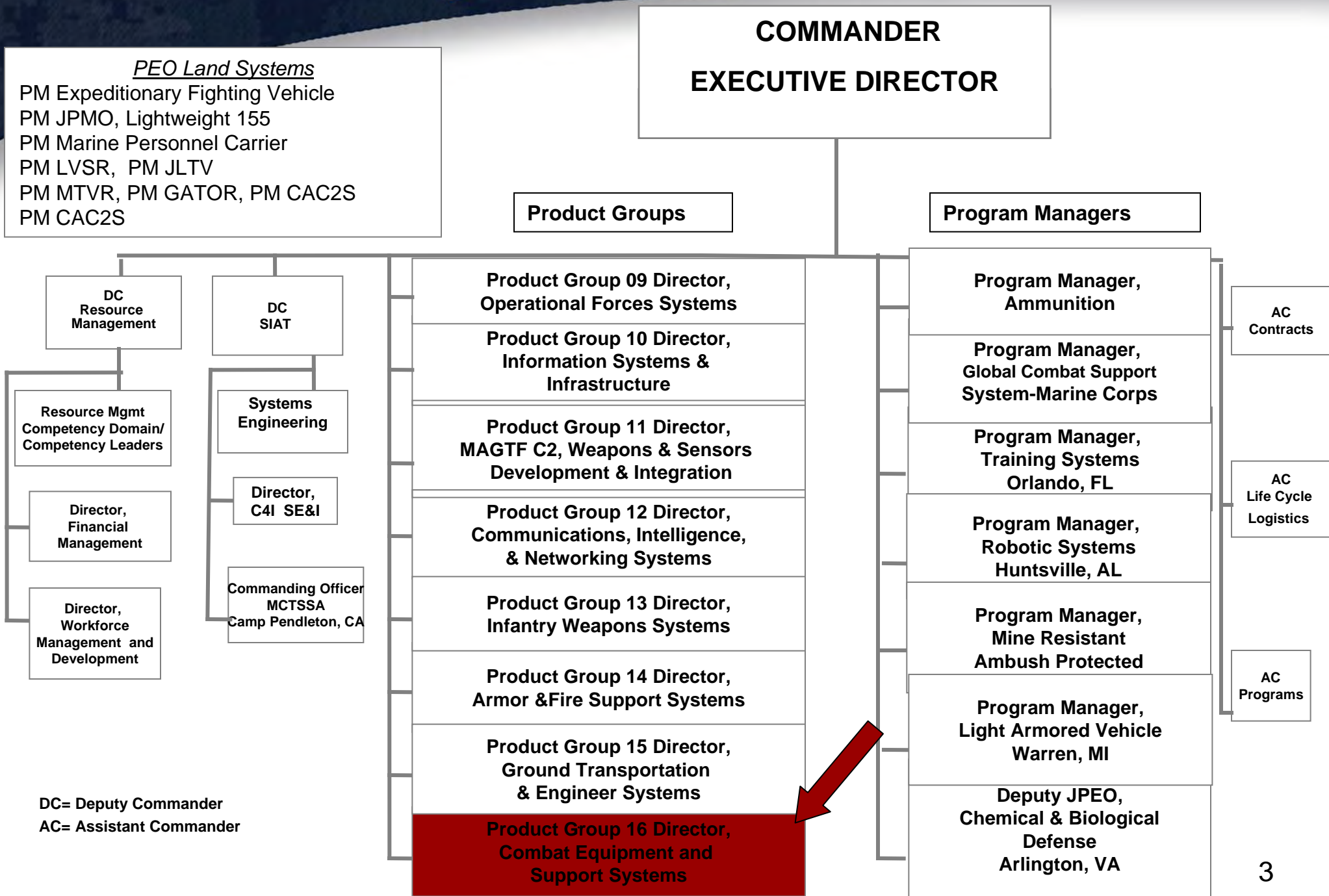
MISSION - Develop, acquire, integrate, field and manage the life cycle of combat equipment and support systems that maximizes warfighter capabilities and enhances their ability to accomplish their mission.

PORTFOLIO:

Automatic Test Equipment
General Purpose Tools & Test Sets
Visual Information Systems
Autonomic Logistics
Combat, Service, & Dress Clothing
Field Food Service Equipment
Infantry Combat Equipment

Personal Protective Equipment
Uniform Board Support
Tents and Shelters
CBRN Incident Response
CBRN Individual Protective Equipment
General Purpose Support Equipment
Medical Equipment

THRIVE IN AND SURVIVE THE FIGHT!





Product Group Principals:

- PM Test, Measurement & Diagnostic Equipment (TMDE): **LtCol Charles Parton**
- PM Chemical, Biological, Radiological & Nuclear (CBRN): **Mr Scott Adams (Deputy)**
- PM Infantry Combat Equipment (ICE): **LtCol AJ Pasagian**

Competency Alignment Team:

- Business Manager: **Mr Charles Hall**
- Contracts Manager: **Ms Dorinne Rivoal**
- Lead Financial Manager: **Ms Sherry Davis**
- Lead Engineer: **Ms Susan Torfin**
- Lead Logistician: **Ms Rega Reid**



		FY08	FY09	FY10	FY11	FY12	FY13
TMDE	RDT&E	\$3.4M	\$4.3M	\$1.5M	\$1.6M	\$1.6M	\$1.7M
	PMC	\$86.0M	\$40.6M	\$21.6M	\$19.3M	\$30.5M	\$30.0M
	O&M,MC	\$6.9M	\$7.8M	\$14.5M	\$12.2M	\$14.7M	\$15.2M
	Total	\$96.3M	\$52.7M	\$37.6M	\$33.1M	\$46.8M	\$46.9M
CBRN	RDT&E	\$6.5M	\$7.7M	\$8.1M	\$7.1M	\$15.1M	\$18.5M
	PMC	\$46.3M	\$7.1M	\$7.5M	\$7.4M	\$8.8M	\$6.7M
	O&M,MC	\$118.2M	\$42.4M	\$39.0M	\$36.0M	\$43.1M	\$39.7M
	Total	\$171.0M	\$57.2M	\$54.6M	\$50.5M	\$67.0M	\$64.9M
ICE	RDT&E	\$9.2M	\$11.2M	\$8.5M	\$8.7M	\$8.6M	\$8.9M
	PMC	\$31.0M	\$24.0M	\$22.1M	\$24.3M	\$5.2M	\$5.3M
	O&M,MC	\$57.3M	\$63.4M	\$92.0M	\$99.7M	\$106.6M	\$107.3M
	Total	\$97.5M	\$98.6M	\$122.6M	\$132.7M	\$120.4M	\$121.5M
PG 16 CESS	RDT&E	\$19.1M	\$23.2M	\$18.1M	\$17.4M	\$25.3M	\$29.1M
	PMC	\$163.3M	\$71.7M	\$51.2M	\$51.0M	\$44.5M	\$42.0M
	O&M,MC	\$182.4M	\$113.6M	\$145.5M	\$147.9M	\$164.4M	\$162.2M
	Grand Total	\$370.8M	\$208.5M	\$214.8M	\$216.3M	\$234.2M	\$233.3M



PG-16: Things that keep me awake at night (Where you can help!)

- Tactical Vest
- Flame Resistant Organizational Gear (FROG)
- 7.62 Helmet
- Weight Reduction Efforts (i.e. PPE)
- Cold Weather Gear
- Field Medical Gear
- Sustaining OPE



Next Speaker:

PM Infantry Combat Equipment (ICE)

LtCol AJ Pasagian

**Combat Equipment Support Systems
Product Group 16
PM Infantry Combat Equipment (ICE)**

Program Manager: LtCol A. J. Pasagian





PM Infantry Combat Equipment LtCol Pasagian

PM Description: Research, develop, and procure clothing, individual and organizational equipment to improve survivability, mobility, sustainability, and quality of life for the individual Marine.

Portfolio Description: Portfolio covers uniform clothing items, individual body armor, load carriage systems, mountain and cold weather equipment, field food service systems, and an assortment of individual items designed to enhance the effectiveness of the individual Marine in combat.

Why are we soliciting help from industry: Seek to improve our items through a combination of emerging technologies and commercial off-the-shelf solutions.



PM Infantry Combat Equipment LtCol Pasagian

Near-Term Program Initiatives

- Flame Resistant (FR) materials and treatments – Need to defeat flash burn injuries from IEDs.
- Individual armor and integration
 - Next generation helmet
 - Next generation vest



EQUIPPING THE WARFIGHTER TO WIN

	FY08	FY09	FY10	FY11	FY12	FY13
Combat and Dress Clothing Team O&MMC RDT&E	\$19.8M \$0.5M	\$1.4M \$0.6M	\$0.7M	\$0.7M	\$0.8M	\$0.8M
Individual Armor and Load Bearing Team O&MMC RDT&E PMC	\$41.6M \$6.0M \$11.5M	\$45.1M \$7.5M \$20.6M	\$5.8M \$20.0M	\$5.9M \$20.2M	\$5.8M \$1.0M	\$5.9M \$1.0M
Support Equipment and Mountain Cold Weather Team O&MMC RDT&E PMC	\$12.2M \$1.8M \$18.8M	\$10.2M \$3.0M \$2.9M	\$2.0M \$1.8M	\$2.0M \$2.7M	\$2.1M \$3.8M	\$2.1M \$3.9M



PM Infantry Combat Equipment LtCol Pasagian

Future Program Initiatives

- Perpetual development effort to leverage technological advances
 - Ballistic Protection.
 - FR Protection.
 - Mountain and Cold Weather Equipment.



PM Infantry Combat Equipment LtCol Pasagian

Open Discussions

- Monthly
 - PM ICE Industry Day
 - Monthly opportunity for industry representatives to meet with Project Officers and Team Leaders.
- Annually
 - Joint Advanced Planning Brief to Industry
 - Held annually in late spring.
 - Sponsored jointly by the Army, Marine Corps, Navy, Air Force, Coast Guard and Defense Logistics Agency (DSCP).
- As Required
 - Item Specific Industry Days
 - Announcement posted to FEDBIZOPPS.



Next Speaker:

PM Chemical, Biological, Radiological &
Nuclear (CBRN): **Mr Scott Adams**

**Combat Equipment and Support Systems
Product Group 16
PM Chemical Biological Radiological
Nuclear (CBRN) Systems**

Program Manager: Scott Adams





PM Chemical Biological Radiological Nuclear (CBRN) Systems Mr. Adams

Description: The Program Manager CBRN Systems portfolio contains programs supporting:

- The Marine Sense, Shape and Shield (M3S) Team
- The Family of Incident Response Systems (FIRS) Team
- The Family of Field Medical Equipment (FFME) Team
- The Family of Shelters and Decontamination Equipment Team

Additionally, the Program Manager CBRN Systems is responsible for:

- All Joint Chemical, Biological, Radiological, and Nuclear Defense programs
- The Consolidated Storage Program

Industry Participation:

- Active engagement
- Critical to our success



Near-Term Program Initiatives

- M3S Team
 - Continued interface with JPEO CBD Joint Product Managers on all CBRN systems
- FIRS Team
 - Technologies required to neutralize or remove hazardous materials
 - Improved Individual Protection
- FFME Team
 - Monitoring Oxygen Ventilation and External Suction (MOVES) Device
 - Vaccine and Regent Refrigeration System (VARRS)
 - Field Anesthesia Machine and Sterilizer Unit
- Family of Shelters and Decontamination Equipment Team
 - Lighter, more durable soft walled shelters
 - New family of rigid wall shelters



EQUIPPING THE WARFIGHTER TO WIN

		FY08	FY09	FY10	FY11	FY12	FY13
M3S	RDT&E	\$13.0M					
	PMC	\$14.3M	\$11.5M	\$11.8M	\$12.0M	\$12.3M	\$12.6M
		CBRN Fielding & Sustainment			M&S Forecasting		
FIRS	RDT&E	\$1.7M	\$4.0M	\$4.3M	\$3.2M	\$6.8M	\$7.2M
	PMC	\$1.5M	\$3.7M	\$4.0M	\$3.9M	\$5.2M	\$3.0M
	O&M	\$7.4M	\$5.3M	\$5.1M	\$5.1M	\$8.3M	\$8.6M
		COTS Technology Insertion					
FFME	RDT&E	\$1.5M	\$3.5M	\$3.6M	\$3.7M	\$3.9M	\$4.0M
	PMC	\$17.8M	\$3.3M	\$3.5M	\$3.5M	\$3.6M	\$3.7M
	O&M	\$24.1M	\$12.7M	\$11.8M	\$11.0M	\$12.3M	\$12.5M
		MOVES/VARRS			Traumatic Brain Injury		
Family of Shelters and Decon Equip	RDT&E	\$0.1M	\$0.1M	\$0.1M	\$0.1M	\$0.1M	\$0.1M
	PMC	\$5.3M					
	O&M	\$50.1M	\$15.9M	\$11.8M	\$8.3M	\$11.2M	\$7.1M
		Rigid Wall Shelters			Camouflage Net System		



Future Program Initiatives

- M3S Team
 - Improved equipment forecasting
- FIRS Team
 - Improved Casualty Care
 - Improved Personnel Protective Equipment
 - Improved Victim Recovery
- FFME Team
 - Traumatic Brain Injury
- Family of Shelters and Decontamination Equipment Team
 - Multi-environment camouflage net system



Open Discussions

- **CBIRF Industry Day**
 - Periodic meeting to demonstrate new First Responder technologies and solicit feedback from Marines
 - RFIs published to solicit information on technologies supporting CBIRF mission areas
- **Industry Working Groups**
 - Inter-Agency Board (IAB)
 - National Fire Protection Association (NFPA)
 - National Defense Industrial Association (NDIA)
 - Joint Committee on Tactical Shelters (JOCOTAS)



Next Speaker:

PM Test, Measurement & Diagnostic Equipment
(TMDE): **LtCol Charles Parton**

**Combat Equipment & Support Systems
Product Group 16
Test, Measurement, & Diagnostic
Equipment (TMDE)**

Program Manager: LtCol Charles Parton





PM TMDE LtCol Parton

Description: PM TMDE-VIS provides test, measurement, diagnostic and visual information resources to Marine Forces and Program Offices to support the Warfighter's Mission... "Winning Battles".

The PM TMDE-VIS portfolio contains:

- Automatic Test Systems
- Autonomic Logistics
- General Purpose Electronic & Mechanical Test Systems
- Calibrations
- Visual Information Systems

Maintenance and sustainment of weapon systems is steady and continuous – as are our efforts.

PM TMDE-VIS buys primarily COTS/modified COTS to support new and legacy ground weapon systems (anything that shoots, moves, or communicates).



PM TMDE LtCol Parton

Near-Term Program Initiatives

- ***Autonomic Logistics (AL)*** – implementing Increment II of the AL capability, moving data off of selected platforms and into logistics systems. FY09 and beyond.
- ***Radio Test Sets*** – a test set to perform automated tests of the current Marine Corps inventory of software-defined tactical radios. FY08 and beyond.
- ***Mechanical Test Equipment*** – COTS engine and transmission dynamometers packaged in ISO containers. FY08 and beyond.
- ***Combat Camera & Combat Correspondence Equipment*** – potential convergence of digital media acquisition and transmission technologies to more easily and economically acquire, edit and transmit information and imagery -- locally, regionally and globally. FY08 and beyond (driven by technology obsolescence).



EQUIPPING THE WARFIGHTER TO WIN

TMDE FYDP Investment

	FY08	FY09	FY10	FY11	FY12	FY13	
Autonomic Logistics	RDT&E PMC	\$2.3M \$3.9M	\$0.3M \$10.7M	\$0.3M \$3.4M	\$0.3M \$3.0M	\$0.3M \$3.1M	\$0.3M \$3.2M
		Increment I		Increment II		Increment III	
Radio Test Sets	RDT&E PMC	\$0 \$1.3M	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
		Radio Test Set		Test Program Sets for New Radio Equipment			
Mechanical Test Equipment	RDT&E PMC	\$0 \$12.4M	\$0 \$2.6M	\$0 \$3.2M	\$0 \$3.3M	\$0 \$4.1M	\$0 \$4.1M
		Dynamometers		Alternator/Starter		Fuel/Hydraulic	
Combat Camera & Combat Correspondence Equipment	RDT&E PMC	\$0 \$3.3M	\$0 \$4.0M	\$0 \$2.9M	\$0 \$2.6M	\$0 \$5.0M	\$0 \$4.1M
		Refresh		Technology Insertion		Refresh	



PM TMDE LtCol Parton

Future Program Initiatives

- ***Autonomic Logistics (AL)***

- Install AL on additional platforms as required
- Increment III MAGTF C2 Integration

- ***Radio Test Sets***

- Follow-on procurement of Test Program Sets

- ***Mechanical Test Equipment***

- Mobile Alternator/Starter/Heater Test Stand
- Mobile Fuel Pump/Injector Test Stand
- Mobile Hydraulic Test Stand

- ***Combat Camera & Combat Correspondence Equipment***

- Continued upgrades and refreshes as still photography and video capture equipment continues to converge and improve.



PM TMDE LtCol Parton

Open Discussion Topics

- *Automatic Test Conference (AUTOTESTCON)*
- *DoD Maintenance Symposium*
- *PM Sets, Kits, Outfits, & Tools (SKOT) (US Army)*
- *Naval Inventory Control Point (NAVICP)*
- *Army Public Affairs*

PG-16
Panel questions and answers



Infantry Weapons Systems Product Group 13 Overview

Lieutenant Colonel Scott A. Huelse





Infantry Weapons Systems

LtCol Scott Huelse

- Principal agent for equipping and sustaining Marine Corps Operating Forces with the weapons and systems to accomplish Infantry, Anti-armor, Amphibious Raids and Reconnaissance, target acquisition, force protection, and non-lethal systems missions.
- IWS is also developing the process by which the Marine Corps addresses the rifle squad as an integrated system and defines the Marine Expeditionary Rifle Squad of the future.



Portfolio

Infantry Weapons Systems

Anti-Armor Systems

Anti-Armor
Anti-Structure



Reconnaissance & Amphibious Raids

Parachute/Dive
Special Purpose
Boats
Aerial Delivery



Infantry Weapons

Individual Weapons
Crew Served



Optics & Non-Lethal Systems

Day Optics
Night Optics
Non-Lethal Systems



Marine Expeditionary Rifle Squad

Squad Integration
Tech Insertion
Marine Enhancement Program

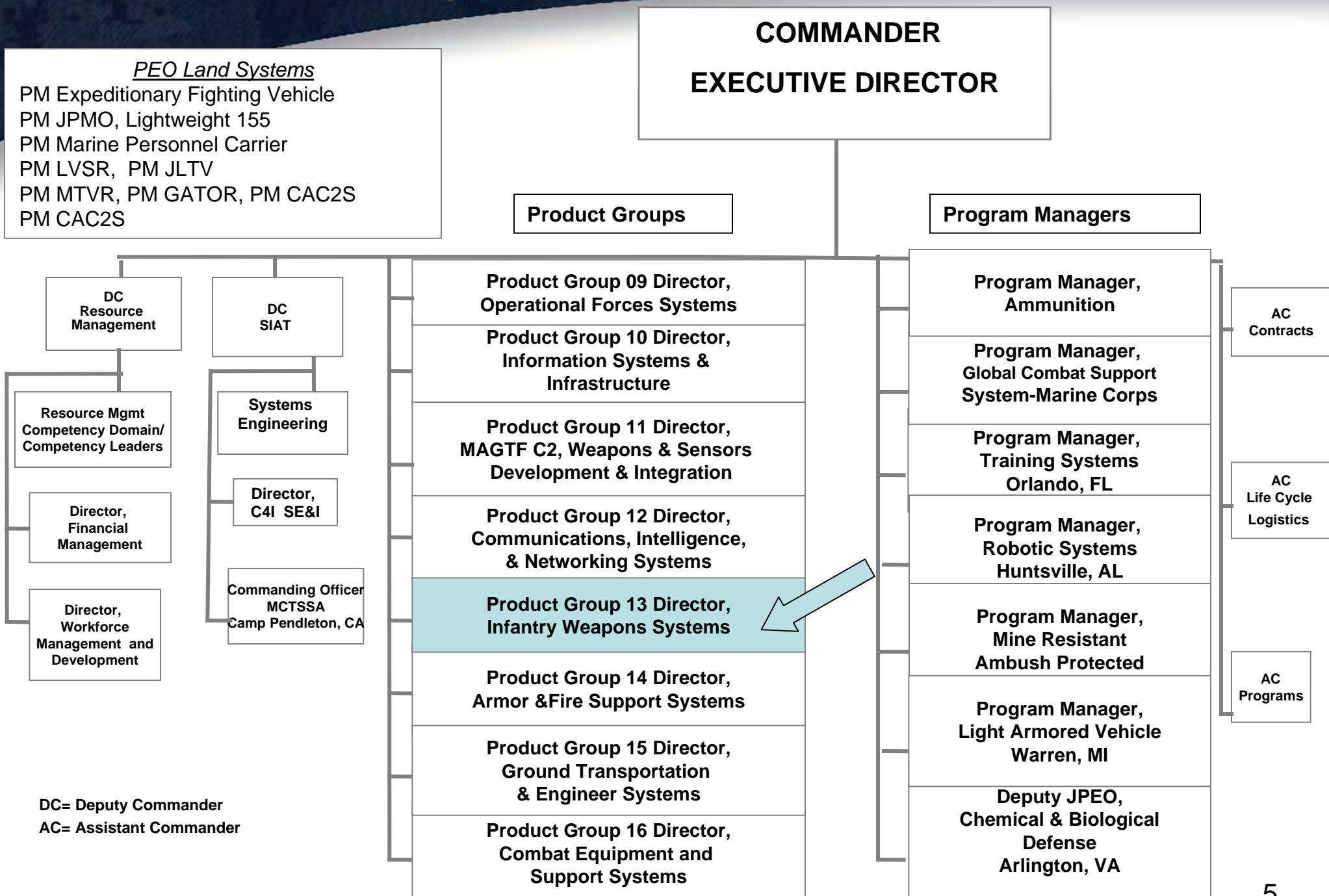




Infantry Weapons Systems

LtCol Scott Huelse

- Our perspective spans the continuum from rapid response projects to fill urgent needs of the operating forces to traditional long-term development and production programs.
- Our current activities ranges from COTS procurement to systems development & demonstration.
- We are looking to industry for cutting edge technology that can assist in providing enhanced capabilities while reducing system size and weight without losing performance.
- The Focus is on IR&D, and S&T partnerships within industry to provide the state-of-the-art COTS products that are attractive to Infantry Weapons Systems





Product Group Principals:

PGD: LtCol Scott A. Huelse 703-432-3688

PM MERS: Mr. Mark Richter 703-432-3744

PM R&R: Mr. William Barnebee 703-432-3638

PM ONS: Mr. Eric Miller 703-432-3612

PM IW: LtCol Tracy Tafolla 703-432-4641

Competency Alignment Team / Strategic Business Team

- **Business Manager:** Mr. Robert Forrester 703-432-3670
- **Contracts Manager:** Mr. David Marr 703-432-3724
- **Lead Financial Manager:** Ms. Barbara Fielding 703-432-3733
- **Lead Engineer:** Mr. Vincent Ellis 703-432-3694
- **Lead Logistician:** Mr. Richard Fielding 703-432-3690
- **Technologist:** Mr. George Gibbs 703-432-3676
- **ManPower, Personnel & Training:** Mr. Richard St. Armour 703-432-3726



		FY08	FY09	FY10	FY11	FY12	FY13	
Marine Expeditionary Rifle Squad	RDT&E	\$3.6M	\$4.2M	\$4.4M	\$4.6M	\$4.8M	\$4.9M	
	PMC	\$3.0M	\$4.1M	\$3.3M	\$3.4M	\$4.4M	\$4.5M	
	Marine Expeditionary Rifle Squad – Equipment Integration							
	Marine Enhancement Program – Infantry Focus							
		Distributed OPS						
Reconnaissance & Amphibious Raids	RDT&E	\$1.0M	\$1.0M	\$0.5M	\$0.4M	\$0.4M	\$0.4M	
	PMC	\$13.1M	\$13.2M	\$15.2M	\$19.3M	\$5.7M	\$5.1M	
	Underwater Recon Capability			JPADS				
	CRRC , UBA , Family of Raids & Recon upgrades & Sustainment							



		FY08	FY09	FY10	FY11	FY12	FY13
Optics & Non-Lethal Systems	RDT&E	\$10.5M	\$6.6M	\$6.7M	\$6.8M	\$6.9M	\$7.1M
	PMC	\$40.8M	\$25.7M	\$23.7M	\$23.9M	\$16.7M	\$18.7M
	Sniper Capability Sets - Optics						
	Thermals Illumination						
	Family of Individual Optics – Fusion & Technology Improvements						
Non-Lethal Capabilities							
Infantry Weapons	RDT&E	\$2.0M	\$2.6M	\$2.2M	\$1.8M	\$1.8M	\$1.8M
	PMC	\$59.6M	\$24.0M	\$12.1M	\$13.4M	\$12.6M	\$12.9M
	Infantry Automatic Rifle						
	Mortar upgrade & Sustainment						
Small Arms upgrades & Sustainment							



- **The next speaker is:**

Mark Richter
PM MERS

**Infantry Weapon Systems
Product Group 13
PM Marine Expeditionary Rifle
Squad**

Program Manager: Mark Richter





PM Marine Expeditionary Rifle Squad

Mr. Richter

Description: This program is tasked with the integration, modernization, and portfolio management of everything worn, carried and consumed by the Marine Rifle Squad.

- PM MERS works with all Product Groups and Program Managers within Systems Command.
- Conduct physical system level to component level integration of new and legacy equipment worn by Marines within the Rifle Squad. Provide integration recommendations and attributes for new equipment requirements.
- Gruntworks Squad Integration Facility



	FY08	FY09	FY10	FY11	FY12	FY13
RDT&E	\$3.6M	\$4.2M	\$4.4M	\$4.6M	\$4.8M	\$4.9M
	PMC \$3.0M	\$4.1M	\$3.3M	\$3.4M	\$4.4M	\$4.5M
Marine Expeditionary Rifle Squad	Marine Expeditionary Rifle Squad – Equipment Integration					
	Marine Enhancement Program – Infantry Focus					
	Distributed OPS					



PM Marine Expeditionary Rifle Squad

Mr. Richter

Near-Term Program Initiatives

- **Torso Load Bearing System Integration** - integration and ergonomic initiatives
- **Headborne System Integration** - integration of protection, sensors, communication, and displays.
- **Weapon System Integration** - weight, human factors, C2, and power management on squad level weapons
- **Weight Effects vs Infantry Performance**
- **Mobility Platform Integration**



PM Marine Expeditionary Rifle Squad

Mr. Richter

Future Program Initiatives

- **Top 5 Capability Requirements for the Future Marine Rifle Squad**
 - Sustain and Manage Power
 - Self Aid and Buddy Aid
 - Combat ID
 - Situational Awareness Internal to the Squad
 - Protection against the environment
- **Marine Corps Soldier System program**
- **Technology Harvesting opportunities**
- **Continuous Integration and Human Factors assessments**



PM Marine Expeditionary Rifle Squad

Mr. Richter

Integrated solutions with a focus on human factors is critical for optimizing emerging capabilities across today's and tomorrow's Marine Rifle Squad. Design and develop and integrated, competitive product.





PM Marine Expeditionary Rifle Squad

Mr. Richter

- **The next speaker is:**

Mr. Bill Barnebee
PM Raids & Recon

**Infantry Weapons Systems
Product Group 13
PM Reconnaissance and
Amphibious Raids**

Program Manager: Bill Barnebee





PM Reconnaissance and Amphibious Raids

Mr. Barnebee

Description: Specialized equipment for use by reconnaissance and other selected USMC units across the range of military operations.

- **Oversee** the acquisition of small craft, and equipment for explosive breaching, individual assault, combatant diving, parachuting, and airdrop delivery systems.
- Constant process of R&D for new initiatives based upon the evolving nature of warfare and life cycle management/sustainment/modification of currently fielded systems
- PM acquisitions can be short notice on COTS/NDI programs to long term R&D initiatives for cutting edge technologies.



PM Reconnaissance and Amphibious Raids

Mr. Barnebee

	FY08	FY09	FY10	FY11	FY12	FY13
RDT&E	\$1.0M	\$1.0M	\$0.5M	\$0.4M	\$0.4M	\$0.4M
PMC	\$13.1M	\$13.2M	\$15.2M	\$19.3M	\$5.7M	\$5.1M
Reconnaissance & Amphibious Raids	Underwater Recon Capability			JPADS		
	CRRC , UBA , Family of Raids & Recon upgrades & Sustainment					



Near-Term Program Initiatives

- CDDFM Display
- Tactical Hydrographic Survey Equipment/Tactical Underwater Navigation System (THSE/TUNS)
- Joint Precision AirDrop Systems (JPADS)
- Ultra - LightWeight JPADS (ULW JPADS)
- Joint Precision AirDrop Systems Mission Planner (JPADS-MP)



Future Program Initiatives

- ***R&D Investment***
 - Enhanced Underwater Breathing Apparatus (EUBA)
 - Underwater Locator Beacon (ULB)
 - 10K JPADS
- ***PMC Investment***
 - 3Q/08 – Combat Diver Full Face Mask (CDFFM)
 - 3Q/08 – High Altitude High Opening Navigation (HAHO Nav)
 - 4Q/08 – Multi-Fuel Engine (MFE)
 - 2Q/09 – Joint Precision Aerial Delivery System (JPADS)
 - 1Q/10 – Tactical Handheld Survey Equipment
- ***O&MMC Investment***
 - Life-cycle sustainment for combatant diving and parachute equipment



Open Discussion Topics

- **Low cost production of accurate underwater and parachute navigation equipment**
- **Advanced display technologies**
 - Ruggedized for military use in extreme environments
 - Low power use by components,
 - High resolution displays
 - Smaller/lighter batteries that provide extended life
- **Textiles that provide environmental and fire retardant protection while ensuring adequate wicking under body armor**
 - Full body armor integration with load bearing equipment and the uniform of the operator - a system of systems approach
- **Low cost *disposable* precision parachute canopy**



PM Reconnaissance and Amphibious Raids

Mr. Barnebee

- **The next speaker is:**

Mr. Eric Miller
PM ONS

**Infantry Weapons Systems
Product Group 13
Optics and Non-Lethal Systems**

Deputy Program Manager: Mr. Eric Miller





Deputy PM Optics and Non-Lethal Systems

Mr. Eric Miller

PM ONS manages over 40 Optics related and Non-Lethal products with an Approved Acquisition Objective of ~620,000 systems. Our Mission is to:

- Reduce System Size, Weight & Power Draw without losing performance “Lighten the Load”
- Increase Target ID Range performance
- Improve resolution in sensors and displays
- Reduce the logistics tail (Cost of maintaining 40 + programs)
- Equipment Issue (time and footprint for 202,000 Marines)
- Improve Armory staging challenges and problems



Deputy PM Optics and Non-Lethal Systems

Mr. Eric Miller

		FY08	FY09	FY10	FY11	FY12	FY13
Optics & Non-Lethal Systems	RDT&E	\$10.5M	\$6.6M	\$6.7M	\$6.8M	\$6.9M	\$7.1M
	PMC	\$40.8M	\$25.7M	\$23.7M	\$23.9M	\$16.7M	\$18.7M
	Sniper Capability Sets - Optics						
	Thermals & Illumination						
	Optics Modifications and upgrades & Sustainment						
	Family of Individual Optics – Fusion & Technology Improvements						
	Non-Lethal Capabilities						



Deputy PM Optics and Non-Lethal Systems

Mr. Eric Miller

Optics Near-Term Program Initiatives

- Improved Night Vision Demonstrator
- Tritium Replacement in Weapon Sights
- Sensors for Simultaneous Movement & Directed Weapons Fire
- Fused Multi-Spectral Weapon Sight (FMWS) II
- UXGA EBAPS
- Analysis of Alternatives = Family of Individual Optics





Non-Lethal / Force Protection Near-Term Program Initiatives

- **Ocular Interruption (OI)**
 - Follow-on POR to GBD-IIIC
- **Mission Payload Module Non-Lethal Weapons System (MPM-NLWS)**
- **Escalation of Force – Mission Module (EoF-MM)**





Optics Future Program Initiatives

- **Family Of Individual Optics (FOIO)** The FOIO development will consist of four programs designed to incorporate multiple functions of current systems into single platform optics.
 - **Helmet Mounted Fused Optical Sight** will:
 - provide increased field of view to increase mobility and situational awareness
 - provide shared imagery from all fused optics
 - **Crew Served Fused Optical Sight** will:
 - provide target identification in all weather conditions
 - operate to maximum effective ranges of the crew served weapons
 - **Individual Weapon Fused Optical Sight** will:
 - provide target identification in all weather conditions
 - operate to maximum effective ranges of the individual Marine's weapon
 - **Hand Held Fused Optical Sight** will:
 - provide increased field of view to increase mobility and situational awareness
 - provide shared imagery from all fused optics



Deputy PM Optics and Non-Lethal Systems

Mr. Eric Miller

Non-Lethal / Force Protection Future Program Initiatives

- **Ocular Interruption (OI)**
 - Industry can develop lighter, smaller, and effective eye-safe OI devices
- **Mission Payload Module - Non-Lethal Weapon System**
 - Industry can develop a NL payload that limits risk of permanent injury while maximizing incapacitation



Deputy PM Optics and Non-Lethal Systems

Mr. Eric Miller

Open Discussion Topics

- **Future funding constraints will require innovative solutions**
 - Fusion programs for all current optics
 - Developing an eye-safe ocular interruption device for use in Escalation of Force (EoF) Missions



Deputy PM Optics and Non-Lethal Systems

Mr. Eric Miller

- **The next speaker is:**

LtCol Tafolla
PM IW

**Infantry Weapons Systems Directorate
Product Group 13
PM Infantry Weapons**

Program Manager: LtCol Tracy Tafolla





PM Infantry Weapons

LtCol Tracy Tafolla

- **PM Infantry Weapons procures and is the life cycle manager for the Marine Corps' small arms weapons**
- **Pistols, service rifles and carbines, grenade launchers, machine guns, precision rifles**
- **Main effort: modernization through modifications to legacy systems and procurement of replacement systems**



PM Infantry Weapons **LtCol Tracy Tafolla**

	FY08	FY09	FY10	FY11	FY12	FY13
RDT&E	\$2.0M	\$2.6M	\$2.2M	\$1.8M	\$1.8M	\$1.8M
PMC	\$59.6M	\$24.0M	\$12.1M	\$13.4M	\$12.6M	\$12.9M
Infantry Weapons	Infantry Automatic Rifle					
	Mortar upgrade & Sustainment					
	Small Arms upgrades & Sustainment					



PM Infantry Weapons

LtCol Tracy Tafolla

Near-term program initiatives

- **Digital Mortar Fire Control System**
- **Rapid Engagement Precision Rifle (REPR)**
 - Semi-automatic sniper rifle
 - 7.62mm
 - 1 – 2 MOA accuracy out to 800 – 1000 meters
 - COTS
- ***Collapsible stock for M16 rifles***
 - With adjustable cheek piece
- ***USMC Long Range Sniper Rifle (LRSR)***
 - Caliber undetermined
 - 1 MOA accuracy out to ~2000 meters
 - Short developmental period



PM Infantry Weapons

LtCol Tracy Tafolla

Future program initiatives

- ***Improved projectile***
 - Terminal ballistics less affected by intervening barriers (e.g. car windshields and doors) than current service ammunition
 - For calibers currently in use by US military



PM Infantry Weapons

LtCol Tracy Tafolla

Open discussion topics



EQUIPPING THE WARFIGHTER TO WIN

MAGTF C2, Weapons and Sensors Development and Integration (MC2I)

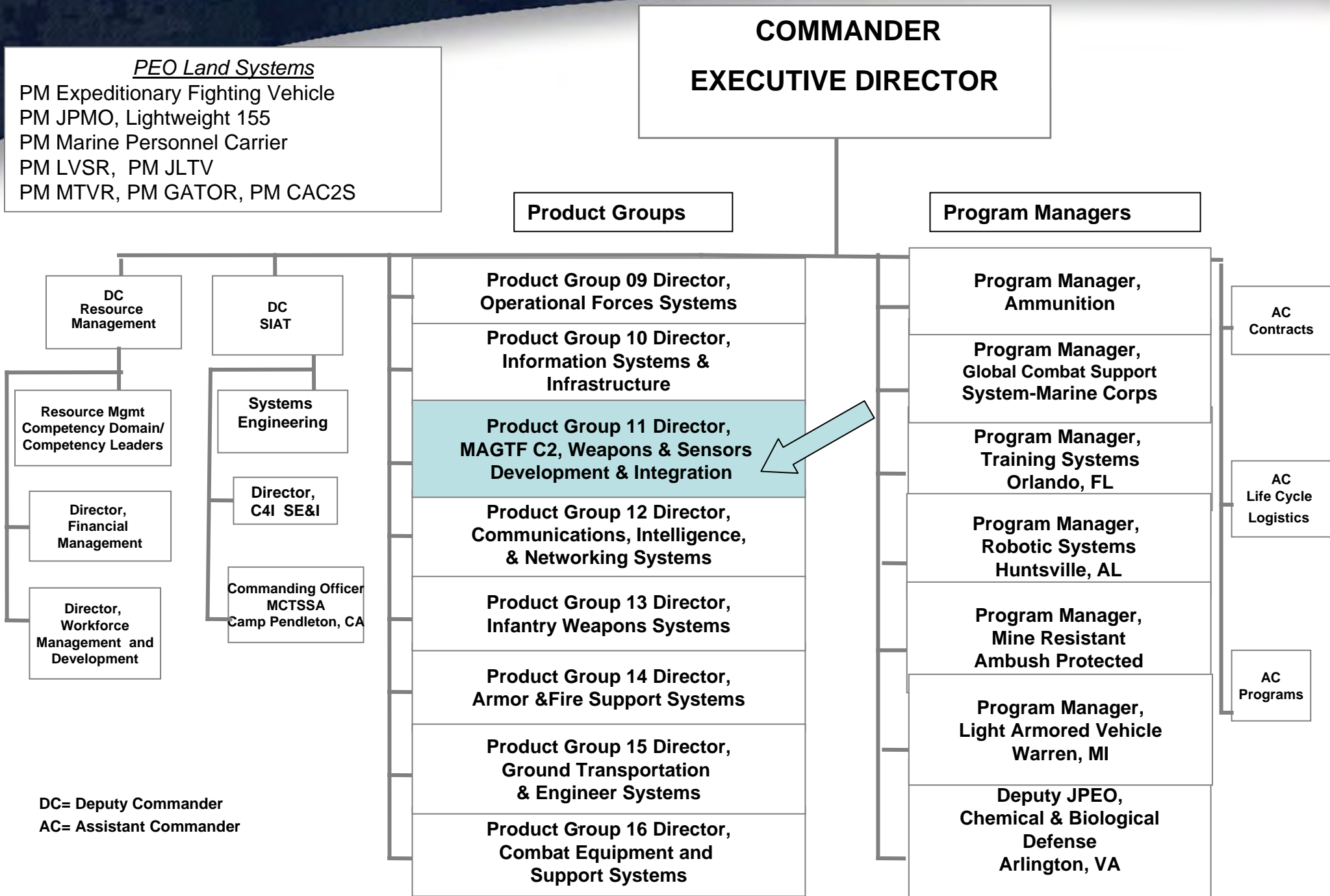


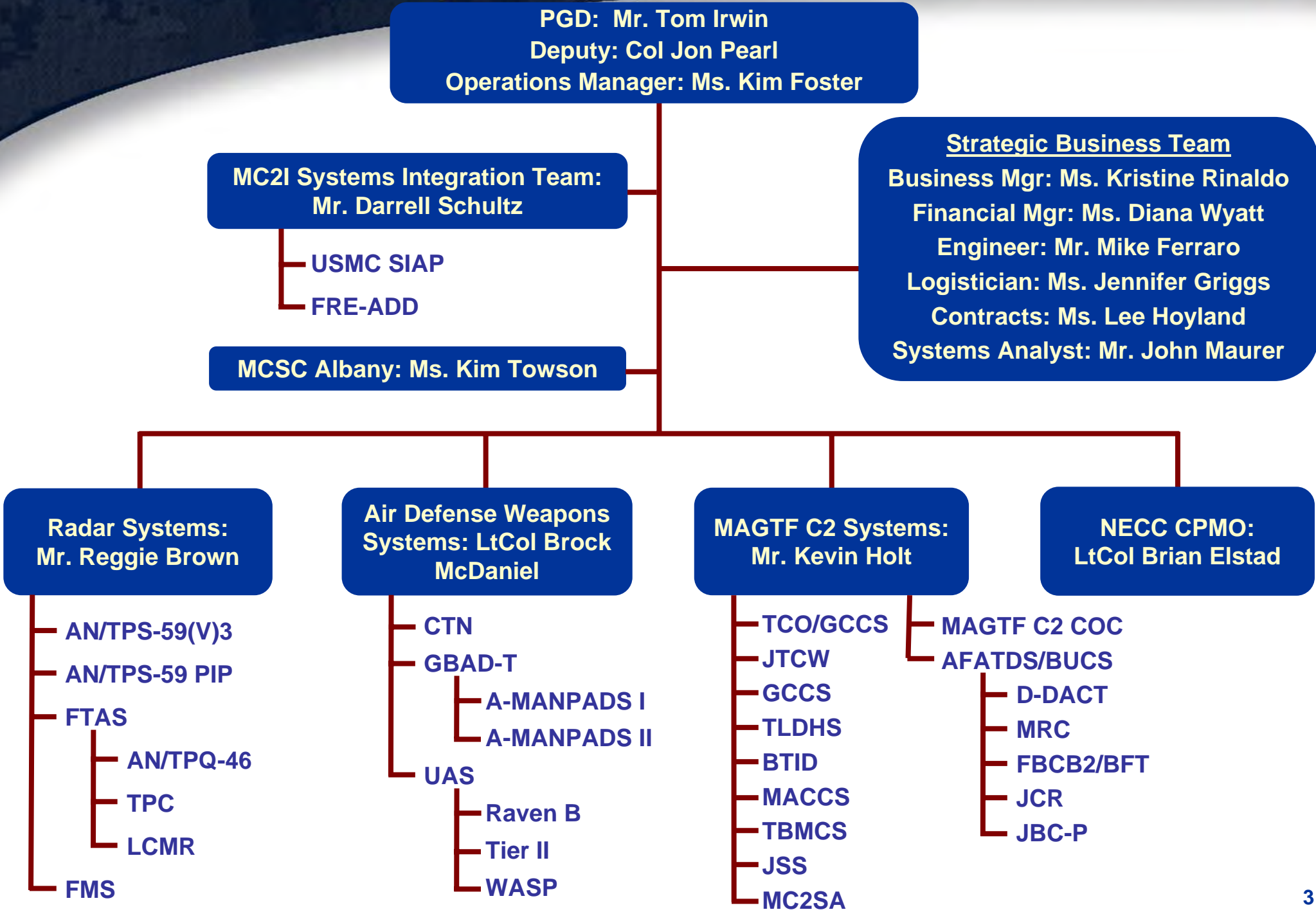
Mr. Tom Irwin
Product Group Director, PG-11











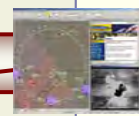













Where we are located!







	FY08	FY09	FY10	FY11	FY12	FY13	
Radar Systems	RDT&E PMC	\$5.8M \$129.7M	\$17.5M \$15.0M	\$17.4M \$9.5M	\$24.8M \$10.2M	\$25.9M \$5.2M	\$28.3M \$5.3M
		TPS-59 SPDP Upgrade 		Antenna PIP 			
				FTAS – LCMR, TPC, TPQ-46 Fielding & Sustainment			
MAGTF C2 Systems	RDT&E PMC	\$50.8M \$204.4M	\$71.4M \$113.2M	\$48.1M \$156.0M	\$41.5M \$114.6M	\$45.0M \$95.3M	\$44.0M \$105.6M
		MAGTF C2 COC 2010 		MAGTF C2 COC 2012 		MAGTF C2 COC 	
		 JTCW/GCCS/TCO		 NECC 			
		 MRC	BFT – JCR	 JCTI			JBC-P
Air Defense Weapons Systems	RDT&E PMC	\$11.8M \$25.5M	\$18.9M \$47.5M	\$14.1M \$59.6M	\$9.9M \$46.6M	\$7.9M \$39.8M	\$5.9M \$34.6M
				Raven B SURSS / WASP Fielding & Sustainment			
		A-MANPADS INC 1 		Weapon Replacement 			
			CTN Fielding & Sustainment				



MAGTF C2 Vision:

Marine Air-Ground Task Force Command and Control (MAGTF C2) enhances lethality and effectiveness across the range of military operations through better decision making and shared understanding.



Representative Air Defense Engagement String, 2010



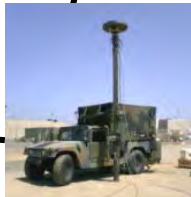
**Advanced Man-Portable
Air Defense System
(AMANPADS)**



AN/TPS-59(V)3



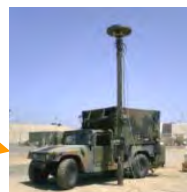
AN/TPS-59(V)3



**Composite Tracking
Network (CTN)**



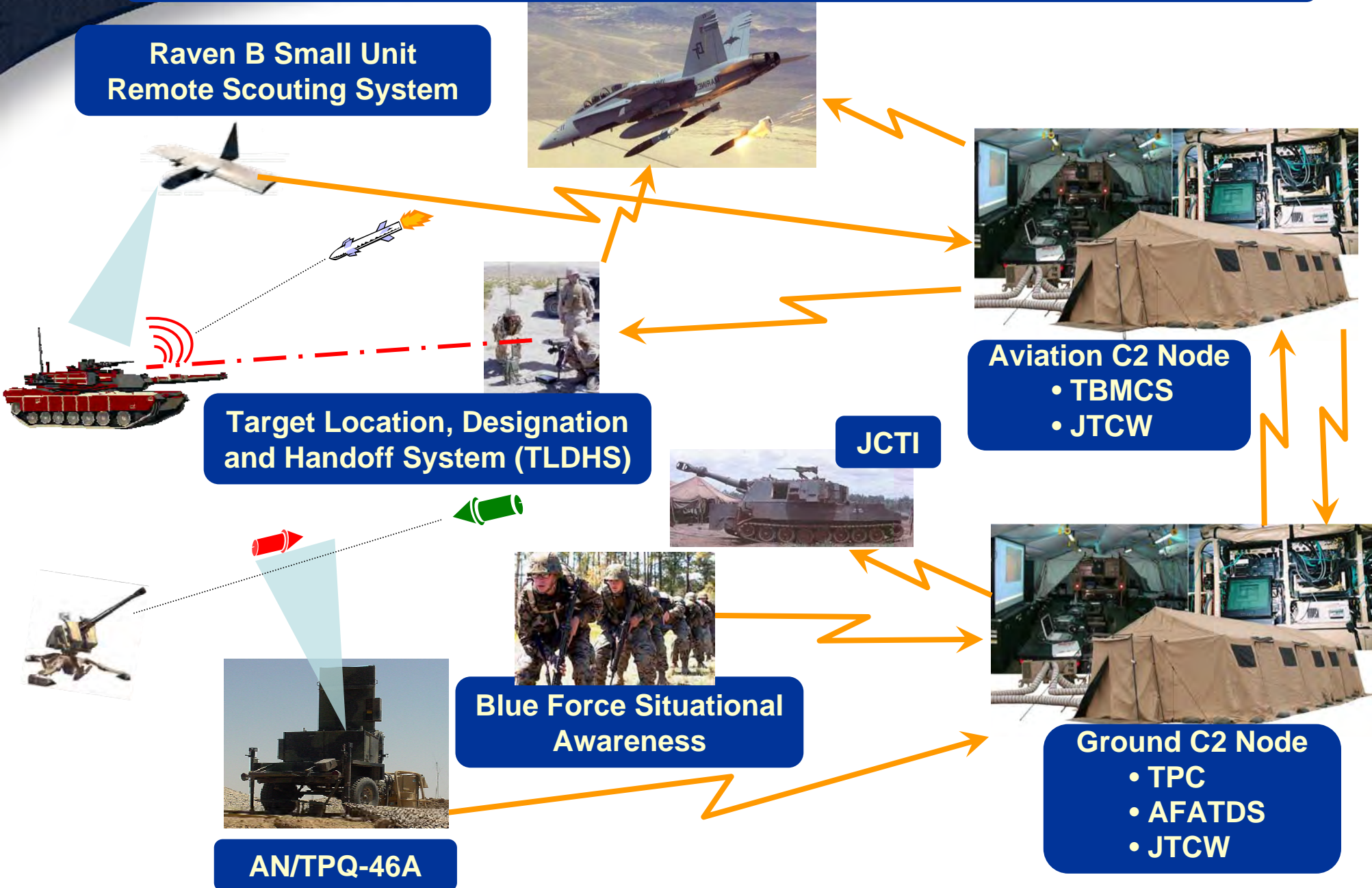
**Aviation
C2 Node**



**Composite Tracking
Network (CTN)**



Representative Ground Fires Engagement String, 2010





Many Challenges Remain:

- Net-centricity, the service-oriented environment and the transition to NECC
- USMC / USA JROC-directed convergence
- Combat ID
- Common, Modular, Scaleable
- Integrating C2 technologies to improved existing capabilities
- Footprint reduction
- Reducing time to fuse multi-level data at and from the Air Combat Element (ACE), Ground Combat Element (GCE), Command Element (CE), and Combat Systems Support Element (CSSE)



- Introduce the next speaker:

Mr. Kevin Holt, PM MAGTF Command and Control (C2) Systems



MAGTF C2, Weapons, and Sensor Development and Integration Product Group 11 MAGTF Command and Control (C2) Systems

Program Manager: Mr. Kevin Holt





PM MAGTF C2 Systems Mr. Kevin Holt

Description: Responsible for the cost, schedule, and performance associated with the acquisition of USMC Command and Control (C2) and Situational Awareness projects; to include sustainment and improvement initiatives.

Portfolio:

- MAGTF C2 Systems Applications – Integration of capabilities (intelligence, logistics, fires, NBC, and aviation), the implementation of a Service Oriented Environment and Net Enabled Command Capability (NECC).





PM MAGTF C2 Systems Mr. Kevin Holt

Portfolio (continued):

- Ground Command and Control – Support transition to NECC, support STRIKELINK, AFATDS supporting Battery Mobile Tactical Shelter fielding efforts in FY08 & FY09.
- Blue Force Situational Awareness - Joint Capability Release (JCR) testing on-going; working with the Army for a Dismounted DACT replacement.





PM MAGTF C2 Systems Mr. Kevin Holt

Portfolio (continued):

- Aviation Command and Control – Sustaining legacy systems; Theater Battle Management Core System (TBMCS) supporting NECC efforts, Joint Interface Control Office Support System (JSS) supporting testing and integration effort.





Near-Term Program Initiatives

- Development and integration of MAGTF C2 COC Capability Block 2010
- Convergent efforts with the Army
- Align/assess US Army C2 Systems modernization efforts USMC MAGTF C2 development
- Support transition to NECC



Future Program Initiatives

R&D Investment

- SOA enabling technologies
- Data management strategies and technologies
- Implementation of mandated standards i.e. IPV-6

PMC Investment

- Upgrade/evolve hardware solutions for new capabilities

O&MMC Investment

- Configuration management of architectures, services, applications, and data



- Introduce the next speaker:
Mr. Reggie Brown, PM Radar Systems

MAGTF C2, Weapons & Sensors Development and Integration (MC2I)

PG11

Program Manager, Radar Systems

Program Manager: Mr. Reggie Brown





PM Radar Systems Mr. Reggie Brown

Description: Responsible for technical and business requirements associated with USMC Sensor programs; to include sustainment and improvement initiatives.

Program Manager, Radar Systems

Portfolio:

- AN/TPS-59(V)3 Radar System
- AN/TPQ-46 Radar System
- Foreign Military Sales

AN/TPS-59 Product Improvement Program (PIP)

- Two phased effort meet the capabilities of the Three Dimensional Expeditionary Long Range Radar (3DELRR) Capabilities Development Document (CDD)
 - Milestone B – First Quarter FY10
 - IOC Phase I (replace current antenna) – FY14
 - FOC Phase II (full 3DELRR capability) – FY22
- Soliciting help from industry to craft strategy to develop new antenna to operate with AN/TPS-59(V)3 while enabling upgrade to full 3DELRR capabilities.

AN/TPQ-46 Radar System

- Procuring 22 additional systems for the MARCENT EDL and 202K Initiative /TPQ-46 Radar System

Foreign Military Sales Activities

- Bahrain: TPS-59(V)3B, and C2 capability
- Egypt: TPS-59(V)3E, SPS-48E Radar, GETS-1000 ATS
- Kuwait: 71M Aerostat w/ATLASS Radar (Variant of TPS-63ss)



PM Radar Systems Mr. Reggie Brown

Near-Term Program Initiatives

- Complete Technology Refresh of AN/TPS-59(V)3 Data Processing Group (DPG) electronics
- Obtain Milestone B decision for AN/TPS-59 Product Improvement Program (PIP)
- Continue Risk Mitigation efforts to obtain Technology Readiness Level (TRL) 6 for AN/TPS-59 PIP



PM Radar Systems Mr. Reggie Brown

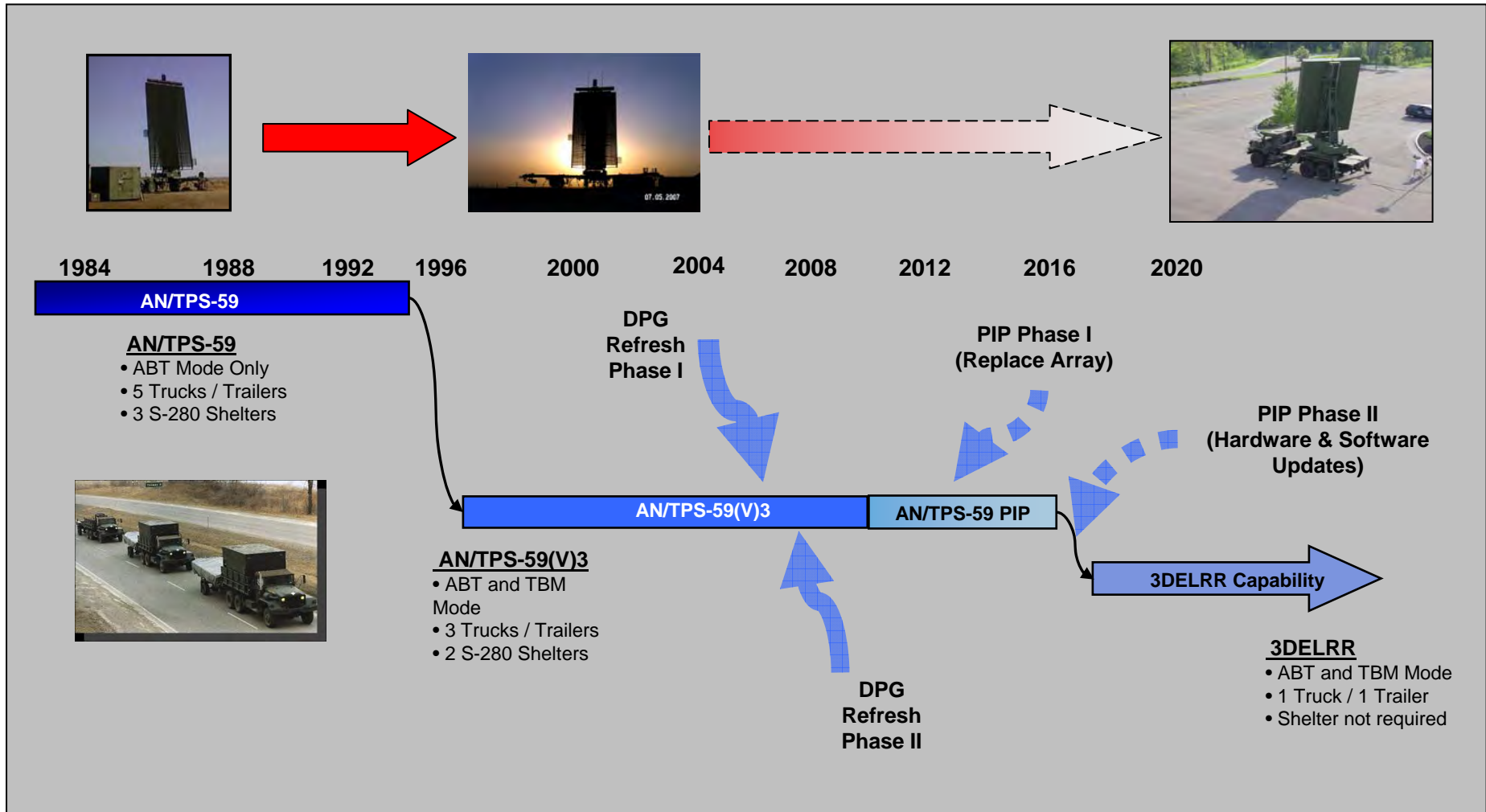
Future Program Initiatives

- Award contract for AN/TPS-59 Product Improvement Program – Two Phased effort
 - Phase I – Replace current AN/TPS-59(V)3 antenna
 - Retain existing capability while addressing Diminishing Manufacturing Sources (DMS) and obsolescence issues
 - Close the gap on 3DELRR Capabilities
 - Phase II – Hardware and software updates to achieve full capabilities of 3DELRR CDD



PM Radar Systems Reginald Brown

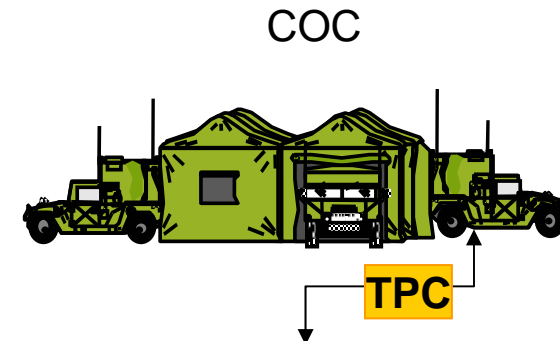
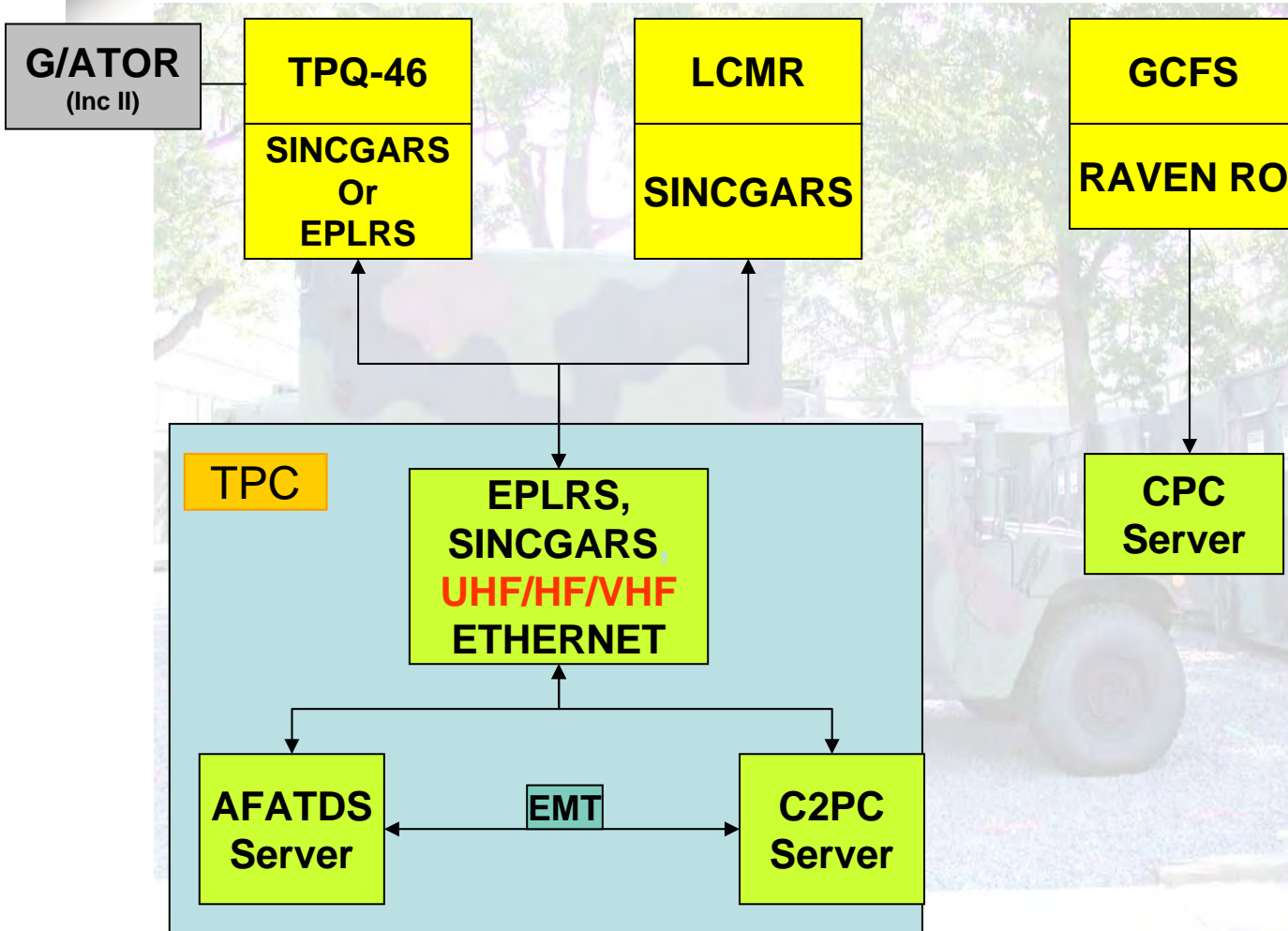
AN/TPS-59 Product Improvement Program (PIP)





Target Processing Center

- Statement of Need for the Target Processing Set (TPS) 3900 C14 dated 22 April 2008
 - The TPS shall be housed in a HMMWV mounted shelter capable of integrating into current and future Combat Operations Centers (Threshold = Objective).
 - The Shelter will be environmental controlled and use standard power (Threshold = Objective).
 - The TPC shall be configured and equipped to provide the ability to process radar information developing actionable targets simultaneously from multiple sensors (Threshold) and shall have the ability to correlate and fuse radar information from multiple sensors using automated equipment and procedures without operator intervention (Objective).
 - The TPS shall integrate existing and planned Command and Control (C2) and Fire Support systems using tactical Local Area Network (LAN) or secure digital communications through Internet Protocols (IP) (Threshold = Objective).
 - All activity interfaces, services, policy enforcement controls, and data sharing of the Network Centric Operations and Warfare Reference Model (NCOW-RM) and Global Information Grid (GIG) Key Interface Profiles (KIPs) shall be satisfied to the requirements of the specific joint integrated architecture products, and information assurance accreditation specified in the threshold and objective values (Threshold = Objective).



TPC Fielding

10 TH MARINES 2 EA	11 TH MARINES 2 EA	12 TH MARINES 2 EA	14 TH MARINES 1
-------------------------------------	-------------------------------------	-------------------------------------	----------------------------------

TPC – GWLR, LCMR, GCFS Architecture using fielded H/W



- Introduce the next speaker:
LtCol Brock McDaniel, PM Air Defense
Weapons Systems/ Unmanned Systems

MAGTF C2, Weapons, and Sensor Development and Integration Product Group 11 Air Defense Weapon Systems/Unmanned Systems

Program Manager: LtCol Brock McDaniel





PM ADWS/US LtCol Brock McDaniel

Description: Manage the development, testing, fielding, and life cycle support of all Marine Corps ground based air defense and systems that support the MAGTF.

- Portfolio: 3 Teams comprised of over 50 military, government civilians, and contractor personnel.
 - Composite Tracking Network(CTN) Team: developing 27 CTN systems
 - Ground Based Air Defense (GBAD) Team: developing 143 Fire Unit and 38 Section Lead Vehicles
 - Unmanned Aerial System (UAS) Team: developing 467 Raven B systems. Supporting NAVAIR with the interface of Tier II and Tier III platforms with MAGTF C2
 - Provide contract vehicle enabling ISR services to VMUs in OIF



PM ADWS/US LtCol Brock McDaniel

Near-Term Program Initiatives

CTN:

- Continue developmental testing
- Obtain MS C to produce LRIP systems and enter into operational testing

GBAD:

- Replace SINCGARS radios
- Replace antiquated data link
- Complete developmental testing

UAS

- Obtain full fielding decision for Raven B and assist NAVAIR with the fielding and training of Micro UAV capability.





PM ADWS/US LtCol Brock McDaniel

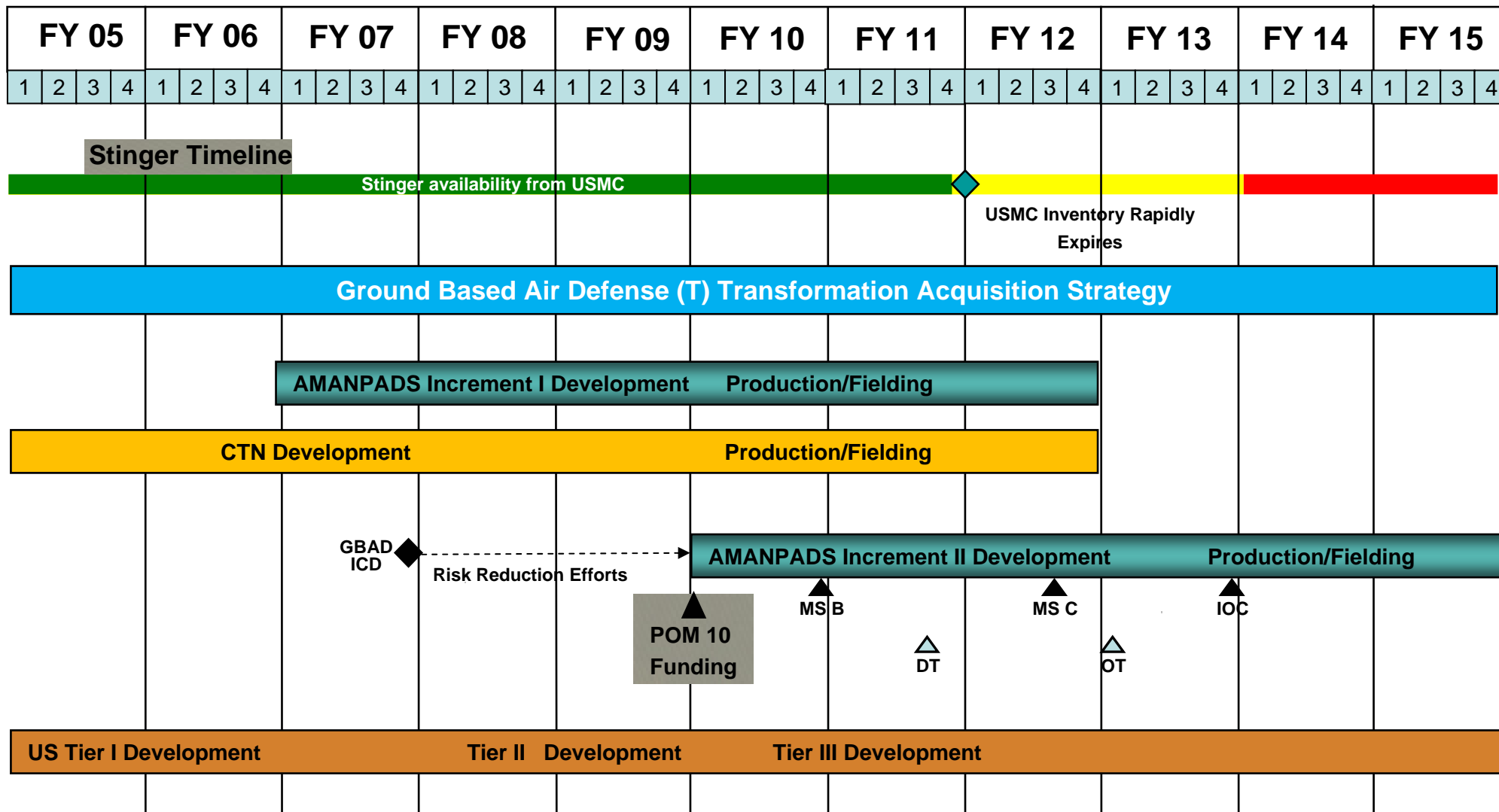
Future Program Initiatives

- Conduct an analysis of alternatives to meet the capabilities outlined in the GBAD ICD.
- Select a material solution to meet the Marine Corps requirement to mitigate UAS/FW/RW threats.
- Assist NAVAIR with the selection of a Tier II platform.



PM ADWS/US LtCol Brock McDaniel

ADWS/US Road Ahead





Ground/Air Task Oriented Radar Program (G/ATOR)

Deputy Program Manager: Mr. John Karlovich



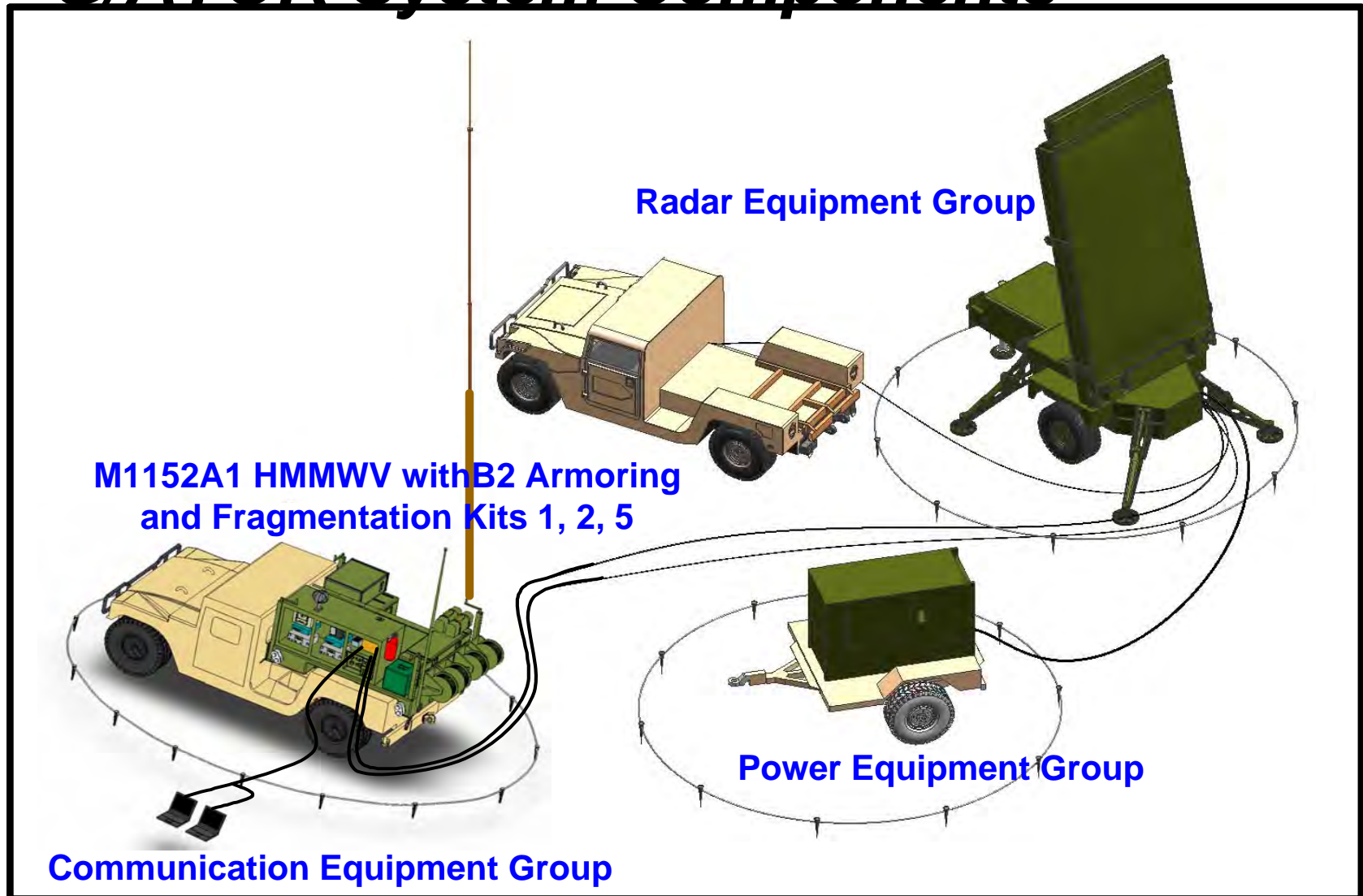
- The Program Manager for the **Ground/Air Task Oriented Radar (G/ATOR)** is responsible for design, development, fielding and total life cycle management of the Marine Corps' next generation of expeditionary radar systems.
- The USMC plans to migrate all short/medium range air and ground radar systems towards the capabilities of a single future system, G/ATOR. All other related legacy systems are planned to be phased out by 2017.
 - ✓ Air Surveillance Radar: AN/TPS-63
 - ✓ Air Defense Radars: AN/UPS-3, AN/MPQ-64
 - ✓ Ground Weapons Locating Radar: AN/TPQ-46
 - ✓ Expeditionary Airport Surveillance Radar: AN/TPS-73



DPM Ground/Air Task Oriented Radar

Mr. Karlovich

G/ATOR System Components





Appropriations*	FY08	FY08 Supplemental	FY09
RDT&E	\$96.4	None	\$86.0
O&MMC	None	None	None
PMC	None	None	\$17.4

(Note*: x \$M)



Near-Term Program Initiatives

- ***G/ATOR Increment I System Development and Demonstration Critical Design Review***
 - 2Q/FY09 CDR Planned

- ***JROC approval of Increment IV Airport Surveillance Radar CDD***
 - 4Q/FY08 CDD into KMDS



Future Program Initiatives

– *Small Business Innovative Research*

- Pursue beneficial technology insertion in parallel with SDD.

– *Other Service Interest*

- G/ATOR is a capability that can be leveraged to meet other service requirements.



Open Discussion Topics

- Innovative technology and advanced capabilities for program insertion.
 - Lightweight 60kW MILSPEC Precision Class HMMWV Towable Generator.
 - Lightweight Advanced Medium Sized Mobile Power System Paralleling Device
 - Lightweight HMMWV Armor



- Panel Questions and Answers

Program Manager Training Systems PM 203



Col Frank L. Kelley, Program Manager
Brian S. Kummer, Business & Operations Manager





EQUIPPING THE WARFIGHTER TO WIN

Mission:

To improve the Warfighting effectiveness of the MAGTF and globally deployed Maritime Expeditionary Forces by providing training support and developing and sustaining training systems and devices.





Training Operations Support

Provide Life Cycle Management, Support, Cost Estimating and In-Service Engineering Support to Operational Forces



Marine Aviation Training Liaison

Coordinate requirements, system development, fielding and sustainment of aviation training systems



Training Systems Acquisition

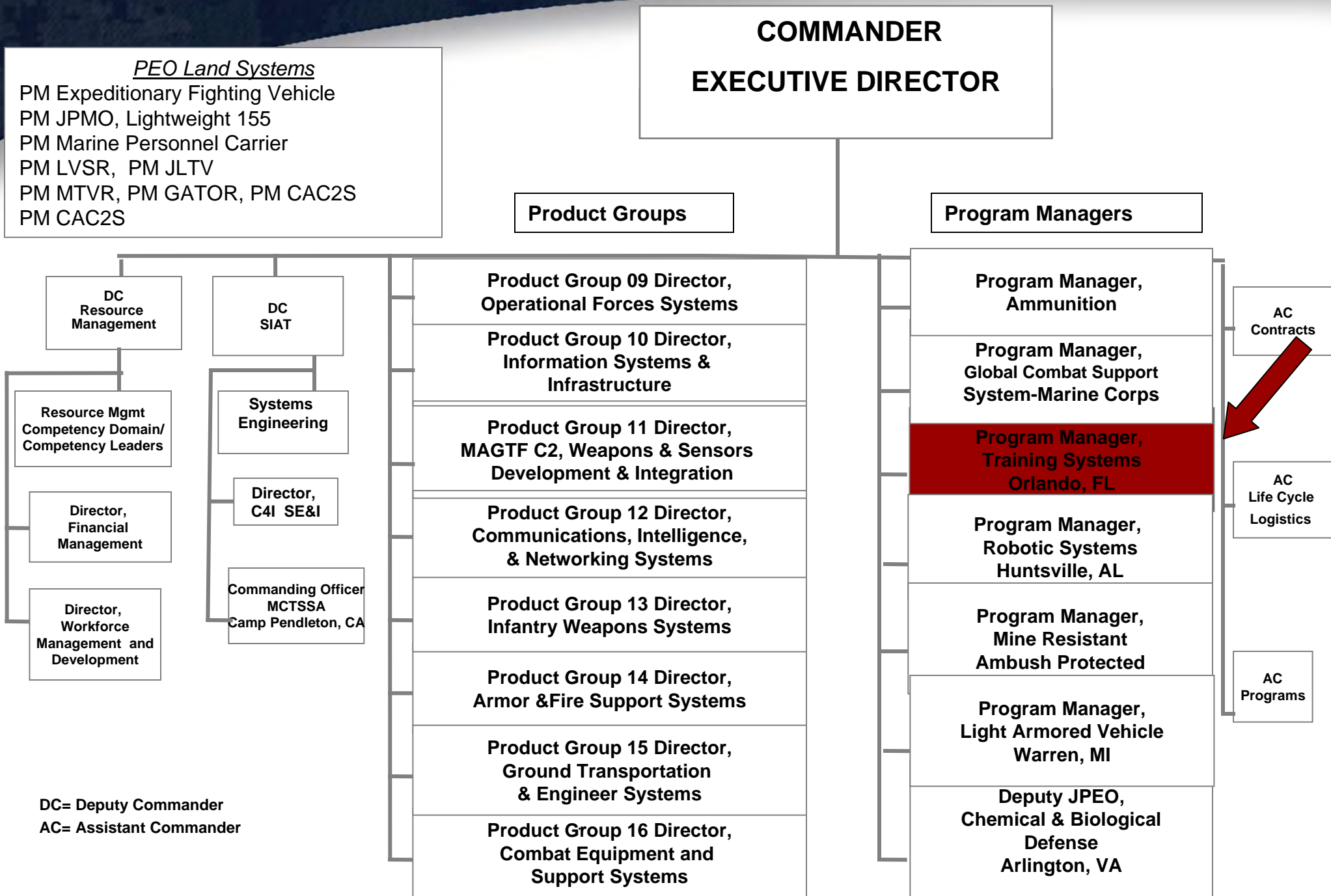
Provide Analysis of Alternatives, Conceptual Design, Cost Estimating, Market Surveys, Procure, System Procurement, Facility Planning, Facility Construction/Renovation, Facility Site Preparation, Installation, Test and Delivery



Training Science and Technology Development

Develop and Transition Valued Technologies in Tactical Decision Making, Training Instrumentation and Situational Awareness, Rapid Database Generation and Language and Culture Training Technology







PM TRASYS Principals:

APM *Mr. Brad Valdyke, Live Training Systems*

APM *Ms. Annette Pike, Virtual Training Systems*

APM *Mr. Robert Ream, Constructive Training Systems*

APM *Ms. Anne Sullivan, Advanced Distance Learning*

APM *Mr. Martin Bushika, Training Technology Development*

APM *LtCol Mark Murphy, Marine Aviation Liaison*

Competency Alignment Team

- Deputy Program Manager: *Mr. Daniel Torgler*
- Contracts Manager: *Mr. John Lynch*
- Lead Financial Manager: *Ms. Karen Ream*
- Lead Engineer: *Mr. Ba Duong*
- Lead Logistician: *Mr. Ken White*



Supporting Arms Virtual Trainer (SAVT)

Description:

Will train Joint Terminal Attack Controllers, Forward Air Controllers and Forward Observers in the employment of supporting arms and close air support.

The SAVT contract will consist of:

- an immersive training environment
- briefing room and facilities
- options for contractor logistics support.



Delivery Locations:

- MCB Camp Pendleton, CA
- MCB Hawaii
- MCB 29 Palms, CA
- MCB Camp Lejeune, NC
- MCB Okinawa, JP
- MCAB Yuma, AZ

Acquisition Schedule:

Synopsis:	18 Mar 08
Draft RFP Release:	18 Apr 08
RFP Release:	Jun 08
Contract Award:	Sep 08

Program Funding – FY07: \$12.5M, FY08: \$5.5M

Includes: Two – One year options for Contractor Logistics Support

Acquisition Strategy

- Competitive
- Firm Fixed Price
- Best Value



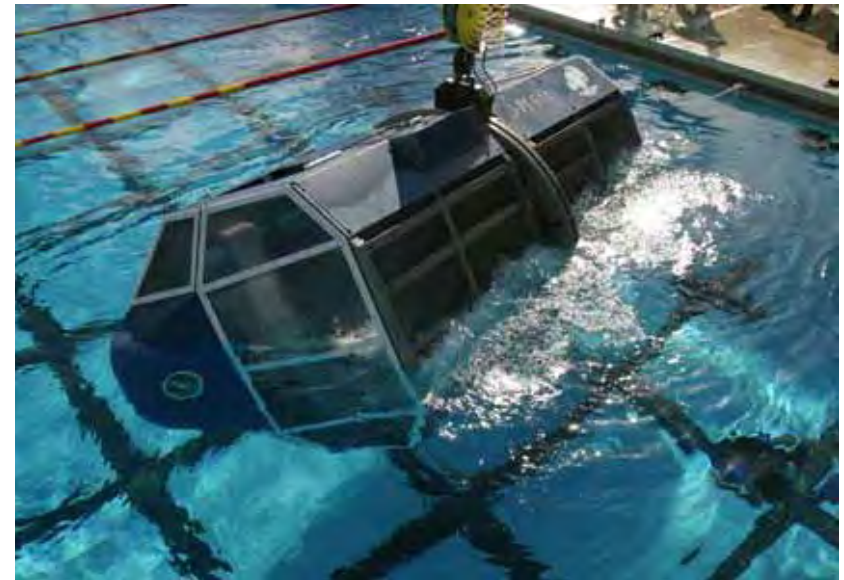
Modular Amphibious Egress Trainer (MAET) CLS Re compete

Description:

Water Survival and Underwater Egress including:

- Shallow Water Egress Training
- Submerged Vehicle Egress Training

Provide all instruction and maintain the training systems and associated equipment.



Support Locations:

CONUS & OCONUS Base training locations include:

- MCB Camp Pendleton, CA
- MCB Camp Lejeune, NC
- MCB Hawaii
- MCB Okinawa, JP

Acquisition Schedule:

Synopsis:	Jun 08
Draft RFP Release:	Jun 08
RFP Release:	Aug 08
Contract Award:	Nov 08

Program Funding – \$9M per FY

Period of Performance – Base year with Four – One year options

Acquisition Strategy

- Competitive
- Firm Fixed Price
- Best Value



Targets

Description:

Procurement of individual Infantry Targets, Moving Infantry Armor Targets, Range Operating Systems.



Delivery Locations:

Most Marine Bases and Station
CONUS & OCONUS.

Acquisition Schedule:

RFP Releases: 4th Qtr FY08
Contract Award: 1st Qtr FY09

Program Funding – \$4M per FY

Period of Performance – Base year with Three – One year options

Acquisition Strategy

- Competitive
- Firm Fixed Price
- Best Value
- IDIQ Contract



Operation and Maintenance Support of Virtual Simulators

Description:

Contractor Operation and Maintenance of virtual training systems at various Marine Corps locations. To operate and maintain the systems at a fully operational condition, the contractor shall provide:

- all labor, materials, consumables
- test equipment, tools
- necessary transportation

Currently evaluating potential virtual training systems for inclusion in contract effort.



Support Locations:

Multiple active and reserve locations CONUS and OCONUS

Acquisition Schedule:

RFP Release
Contract Award

4th Qtr FY08
1st Qtr FY09

Program Funding - \$3M – \$10M per FY

Period of Performance – Base year with Four – One year options

Acquisition Strategy

- Firm Fixed Price Service Contract



Contractor Operation and Maintenance Services (COMS)

Description:

Contractor Operation and Maintenance.

The North American Industry Classification System (NAICS) code is 561210 – Facilities Support Services.

To operate and maintain the systems at a fully operational condition, the contractor shall provide:

- all labor, materials, consumables
- test equipment, tools
- necessary transportation



Support Locations:

MCB Camp Lejeune, NC,
MCAS Cherry Point, NC
MCB Quantico, VA

Acquisition Schedule –

Synopsis	May 08
RFP Release	Jul 08
Contract Award	Nov 08
Mobilization Date	Dec 08
Full Support	Jan 09

Program Funding - \$2M - \$3M per FY

Period of Performance – Base year with Four – One year options

Acquisition Strategy

- 100 Percent Small Business Set-Aside
- Firm Fixed Price Service Contract
- Lowest Price - Technically Acceptable



PM TRASYS APM Live Support Services Contract

Description:

Contractor Acquisition Support Services for APM Live Training Systems Development. providing program development, integration and fielding of force on force and force on target training systems to meet USMC MAGTF requirements for conducting live-fire and non-live fire training in realistic environments.



<http://www.marcorsyscom.usmc.mil/sites/acss/>

Support Locations:

- Orlando, FL
- 29 Palms, CA
- Bridgeport, CA
- Quantico, VA
- Camp Lejeune, NC

Acquisition Schedule:

- | | |
|----------------|--------------------------|
| RFP Release | 1 st Qtr FY09 |
| Contract Award | 2 nd Qtr FY09 |

Program Funding - \$8M per FY

Period of Performance – Base year with Two – One year options

Acquisition Strategy:

CEOss Firm Fixed Price Service Contract in the Acquisition, Logistics and Admin (ALA) Domain



PM TRASYS Support Services Contract

Description:

Contractor Acquisition Support Services for training systems development. Providing program development, integration and fielding of virtual and constructive training systems to meet USMC training requirements. Additionally, this contract will provide administrative support to the business office.



<http://www.marcorsyscom.usmc.mil/sites/acss/>

Support Location:

Orlando, FL

Acquisition Schedule:

RFP Release	2 nd Qtr FY10
Contract Award	3 rd Qtr FY10

Program Funding - \$5M per FY

Period of Performance – Base year with Two – One year options

Acquisition Strategy:

CEOss Firm Fixed Price Service Contract in the Acquisition, Logistics and Admin (ALA) Domain



I/ITSEC 2008

www.iitsec.org

The Interservice/Industry Training, Simulation and Education Conference (I/ITSEC)

Promotes cooperation among the Armed Services, Industry, Academia and various Government agencies in pursuit of improved training and education programs, identification of common training issues and development of multiservice programs.

2008 Theme: "Learn. Train. Win."



Location:

Orlando, FL - Orange County Convention Center

Schedule:

1 – 4 December 2008

2007 Statistics:

- 16,750 total registrants, with 1,917 international attendees from 57 countries
- 156 technical papers, 20 tutorials / 7 special events
- 175,000 Sq Ft with 539 exhibitors spanning the spectrum: small business, Government agencies, academia, large industry and international interests



TODAY'S SPEECH



MajGen Edward G. Usher
Deputy Commandant, Installations & Logistics
Headquarters, United States Marine Corps
13 May 2008



Constant Communications



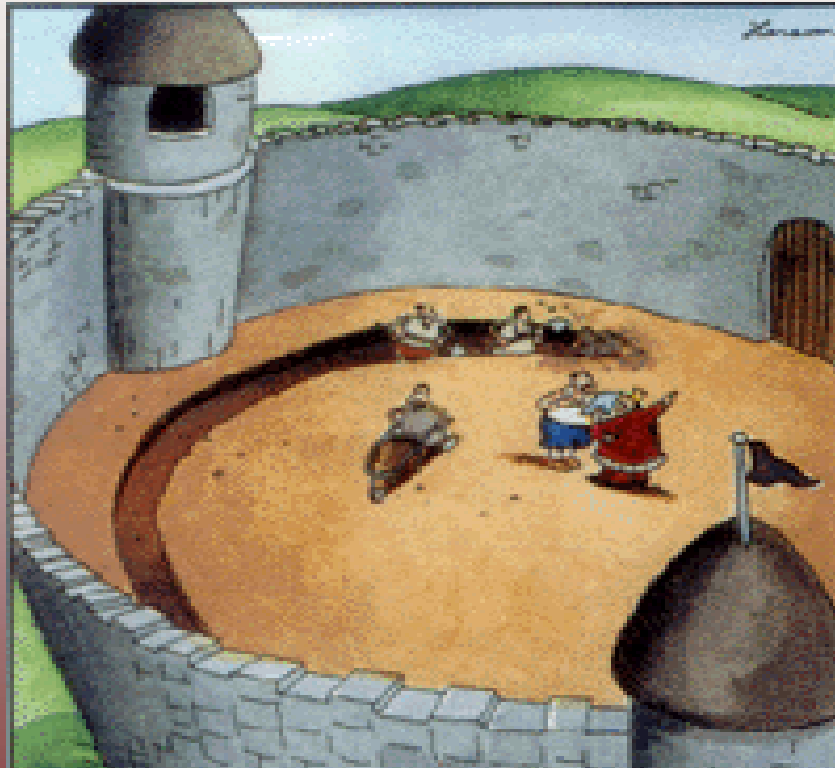


Effective Collaboration





Seamless Integration



Suddenly, a heated exchange took place between the king and the moat contractor.



Capability-Enhancing Innovation

OUR ALTERNATIVE
FUEL DIVISION HAS
FOUND A WAY TO
TURN FRESH WATER
INTO FUEL!



www.dilbert.com scottadams@aol.com

WOULDN'T THAT TURN
THE WORLD INTO AN
UNINHABITABLE
WASTELAND IN THE
LONG RUN?



5-3-08 © 2008 Scott Adams, Inc./Dist. by UFS, Inc

NOT IF SOMEONE
FINDS A WAY TO
TURN OIL INTO
WATER.





EASY QUESTIONS?

**Communications,
Intelligence and
Networking Systems
Product Group 12**



Overview

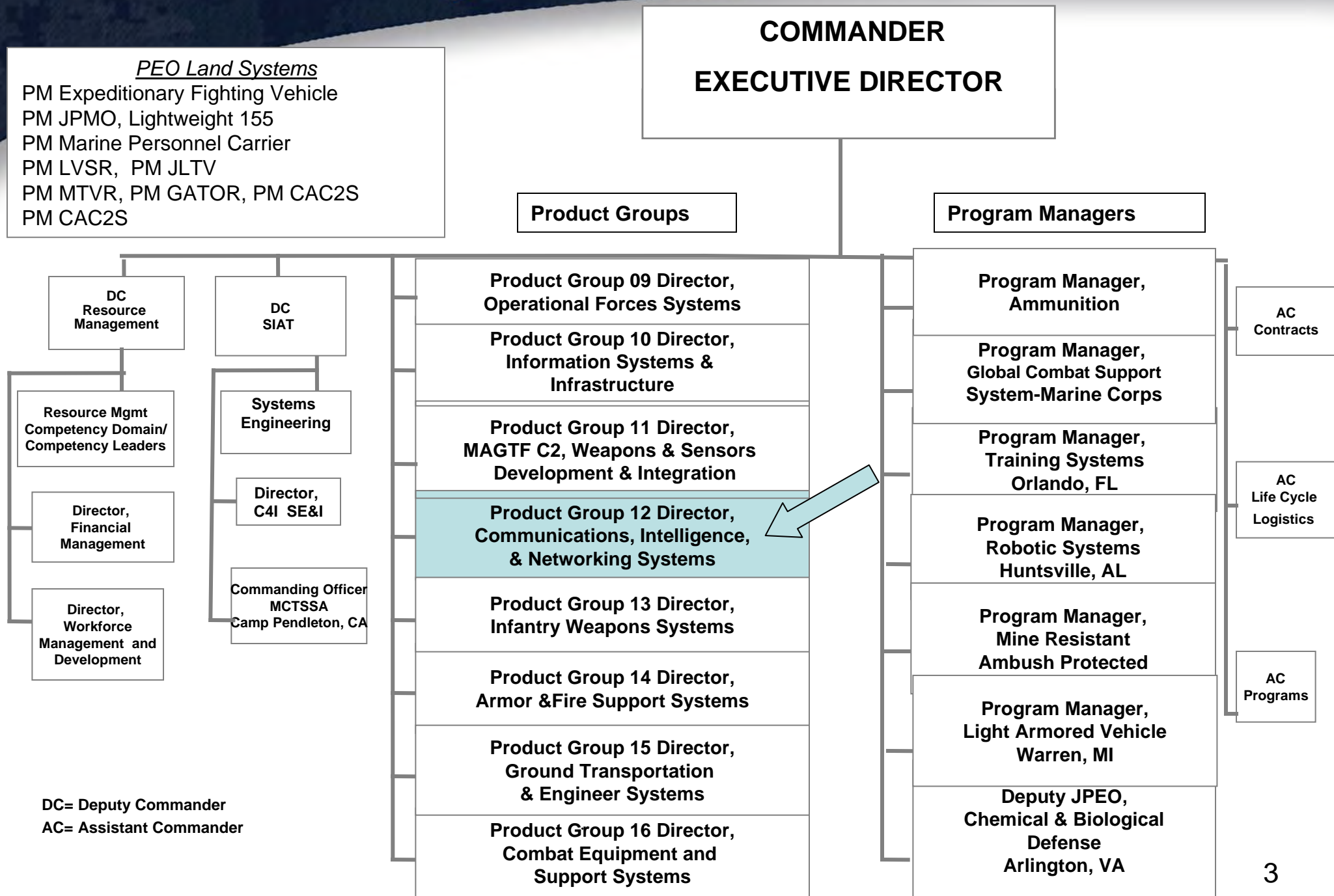
Mr. Gregory Pardo
Acting Product Group Director
13-14 May 2008





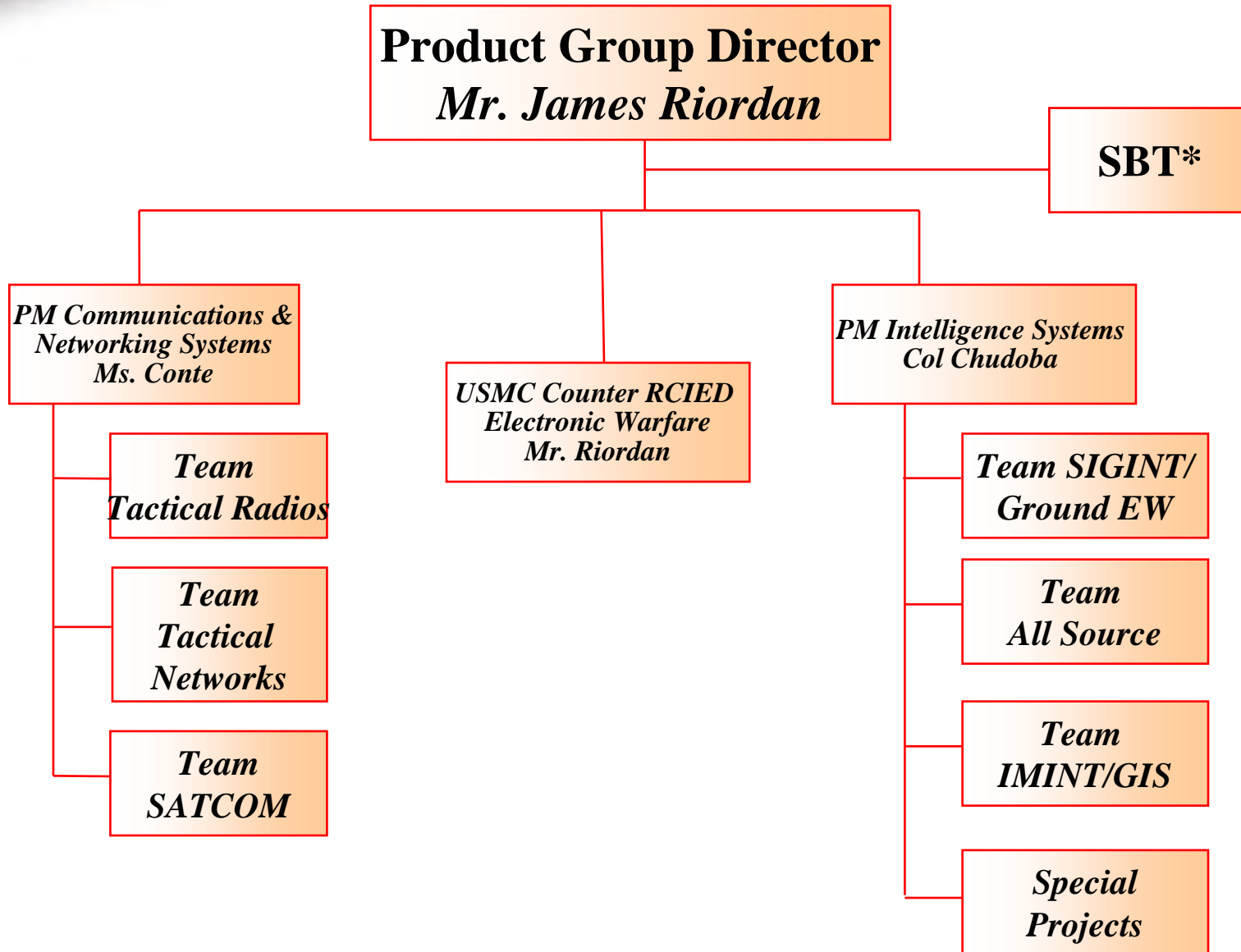
Focus

To provide world class communications, intelligence and networking systems and equipment to the Operating Forces that meet their requirements and expectations while providing the best value to the American taxpayers





Organization



* Strategic Business Team



Product Group Principals

PM CNS: Ms. Theresa Conte

PM INTEL: Col Phillip Chudoba

PM CREW: Mr. James Riordan

Strategic Business Team (SBT)

Lead Business Manager: Mr. Gregory Pardo

Lead Contracts Manager: Mr. Stephen Riffe

Lead Financial Manager: Mr. James McGregor

Lead Logistician: Mr. George Seargeant

Lead Engineer: Mr. Charles Zintner

Lead Technologist: Dr. Paul Muessig

Technical Director: Ms. Cecilia Hall



EQUIPPING THE WARFIGHTER TO WIN

		FY08	FY09	FY10	FY11	FY12	FY13
PM CNS	RDT&E	\$10.6M	\$14.5M	\$7.7M	\$6.7M	\$4.7M	\$4.8M
	PMC	\$270.1M	\$136.5M	\$207.9M	\$86.9M	\$24.5M	\$8.5M
	CONDOR (C2 on the Move Capability)			HC3 (High Capacity Comm Capability)			
	ECCS / DTC / LMST/ TCM / TDN / TSM PROCUREMENT & SUSTAINMENT						
PM INTEL	RDT&E	\$16.6M	\$19.1M	\$26.7M	\$27.1M	\$23.8M	\$25.6M
	PMC	\$531.2M	\$49.8M	\$68.8M	\$89.8M	\$54.5M	\$55.4M
	INTEL SYSTEM'S UPGRADES			MIGRATION TO DCGS			
	GBOSS / INTEL SYSTEMS PROCUREMENT & SUSTAINMENT						
PM USMC CREW	RDT&E	\$8.6M	\$7.6M	\$8.2M	\$8.9M	\$9.6M	\$10.0M
	PMC	\$183.2M	\$12.9M	\$13.8M	\$13.6M	\$12.7M	\$12.6M
	CREW 2.0 Waveform Development			CREW Upgrades			
	CREW PROCUREMENT & SUSTAINMENT						



Summary

- **Our business requires partnerships**
- **We need your solutions, ideas, and expertise to accomplish our mission**
- **Now ---**
 - **Ms. Theresa Conte, PM Communications and Networking Systems**
 - **Col Phillip Chudoba, PM Intelligence Systems**



Ms. Theresa Conte Program Manager

Communications and Networking Systems





Mission / Focus

- Lead the Marine Corps' development and acquisition of:
 - Tactical networking and switching equipment
 - Tactical radio and wireless broadband equipment
 - Satellite ground communication systems
 - Cryptographic equipment
- Telecommunications technology
- Focus on the delivery of “capability sets”



Core Programs

Team Tactical Networks

- Transition Switch Module
- Tactical Data Network (TDN)
- Joint Enhanced Core Communications System (JECCS)
- Systems Planning Engineering and Evaluation Device (SPEED)
- Joint Network Management System (JNMS)

Team SATCOM

- Lightweight Multiband Satellite Terminal (LMST)
- Phoenix
- Secure Mobile Anti-jam Reliable Tactical Terminal (SMART-T)
- Global Broadcast System
- Support Wide Area Network (SWAN)

Team Tactical Radios

- Joint Tactical Radio System (JTRS)
- Tactical Hand-Held Radio (PRC-148/PRC-152)
- Multi-Band Multi-Mission Radio (PRC-117F)
- Enhanced Position Location Reporting System (EPLRS)
- Enterprise Land Mobile Radio (E-LMR)



Near Term Contracting Efforts

FY08

- CONDOR Gateway
- Enterprise Land Mobile Radio
- Troposcatter Antennas

FY09

- ECCS

FY10

- Network Optimization Devices



Technology – Areas of Interest

- **Short Term (now to 2 years)**
 - Comms and Networking in “Challenged” Environments
 - Dynamic Spectrum Management And Optimization Tools
 - Dynamic Network Management And Optimization Tools
 - Dynamic Tactical Networking (MANET)
 - Antennas (especially SATCOM OTM)
- **Long Term (beyond 2 years)**
 - Novel SATCOM Capabilities (e.g., using HHRs)
 - Comms without Space Capabilities

**** THIS IS NOT AN RFI ****



Col Phillip Chudoba
Program Manager

Intelligence Systems





Mission / Focus

Deliver *integrated and interoperable* intelligence capabilities to Marine Corps Operating Forces to support our *warfighting mission*.

- **Near term**
 - *Integration efforts* across ISR capabilities
 - Building foundation for *transition to MCISR-E*
- **Mid Term** - Leverage DCGS to *fully transition designated capabilities* into MCISR-E
- **Long Term** - Continue *systems transformation*

USMC SOA



P-ISR

Planning, Direction,
Observation, and Collection

DCGS-MC

Processing, Exploitation,
Analysis, and Production



Actionable Intelligence

Dissemination, Utilization,
Evaluation, and Feedback



Core Programs

Team Signals Intelligence

- Technical Control Analysis Center (TCAC)
- Tactical Electronic Reconnaissance Processing and Evaluation System (TERPES)
- Mobile Electronic Warfare Support System (MEWSS)
- Communication Emitter Sensing and Attacking System (CESAS)
- Team Portable Collection System (TPCS)
- Trojan SPIRIT
- Radio Reconnaissance Equipment Program (RREP)

Team Imagery Intelligence

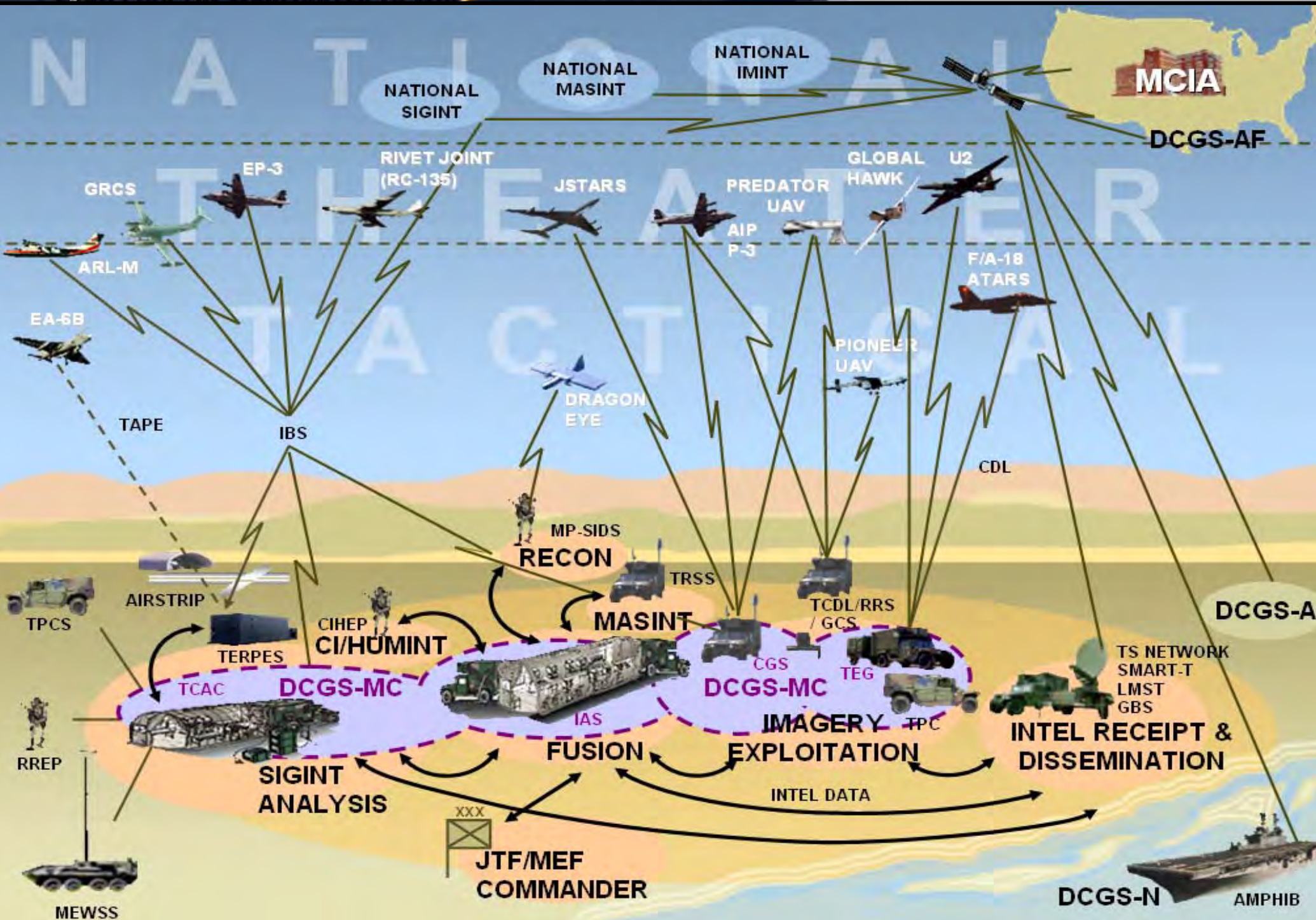
- MAGTF Secondary Imagery Dissemination System (MSIDS)
- Joint Surveillance Target Attack Radar System (JSTARS)
- Tactical Exploitation Group (TEG)
- Topographic Production Capability (TPC)

Team All Source

- Tactical Remote Sensor Systems (TRSS)
- Intelligence Broadcast Receiver (IBR)
- Intelligence Analysis System Family of Systems
- Counterintelligence and Human Intelligence Equipment Program CIHEP)
- Technical Surveillance Countermeasures (TSCM) Suite



EQUIPPING THE WARFIGHTER TO WIN





Near Term Contracting Efforts

FY08

- **Technical Surveillance Set Equipment (TSCM)**
- **Biometric Systems Administrators (BATS)**
- **System sustainment & improvements (TPC)**
- **Radio Reconnaissance Equipment (RREP)**

FY09

- **Common Sensor Radio Integration (TRSS)**
 - **Advanced Seismic Acoustic Sensor (ASAS)**
- **Remote Workstation Refresh (TEG)**
- **ELINT Processing software (TCAC)**

FY10

- **Urban Sensor Set Research & Development Items (TRSS)**
- **System sustainment & improvements (TCAC)**



Technology – Areas of Interest

- **Short Term (now to 2 years)**
 - Data Storage (especially video compression)
 - Data Processing
 - Multi-Sensor Fusion and Correlation (high P_d , low P_{fa})
 - Concealed Camera Networks
- **Long Term (beyond 2 years)**
 - Unattended Ground Sensors
 - Persistent Surveillance

**** THIS IS NOT AN RFI ****



Questions

EQUIPPING THE WARFIGHTER TO WIN

USMC

International Programs Comparative Testing Programs



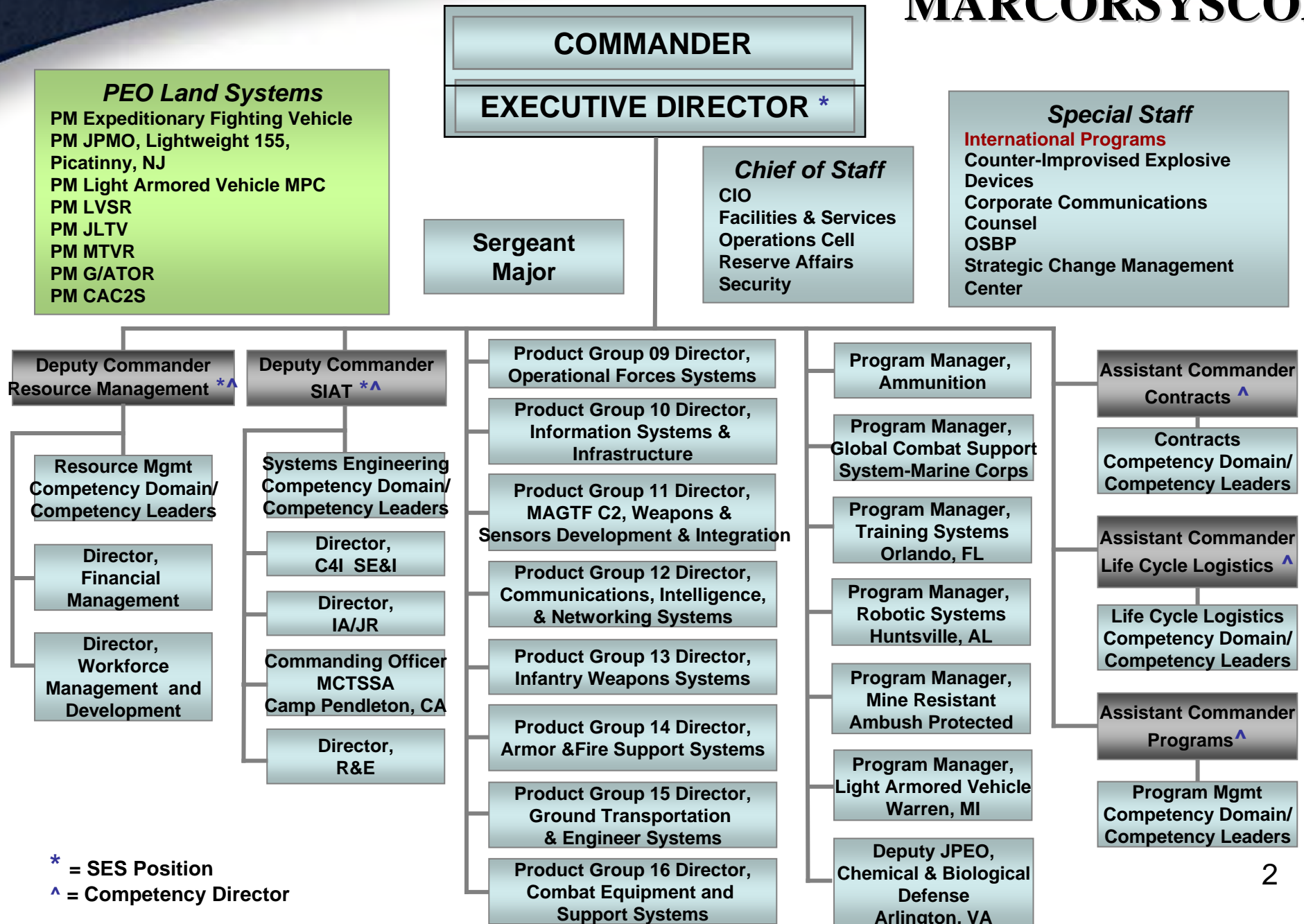
Ms. Shawn Prablek
USMC, MARCORSYSCOM
International Programs
Quantico, Virginia





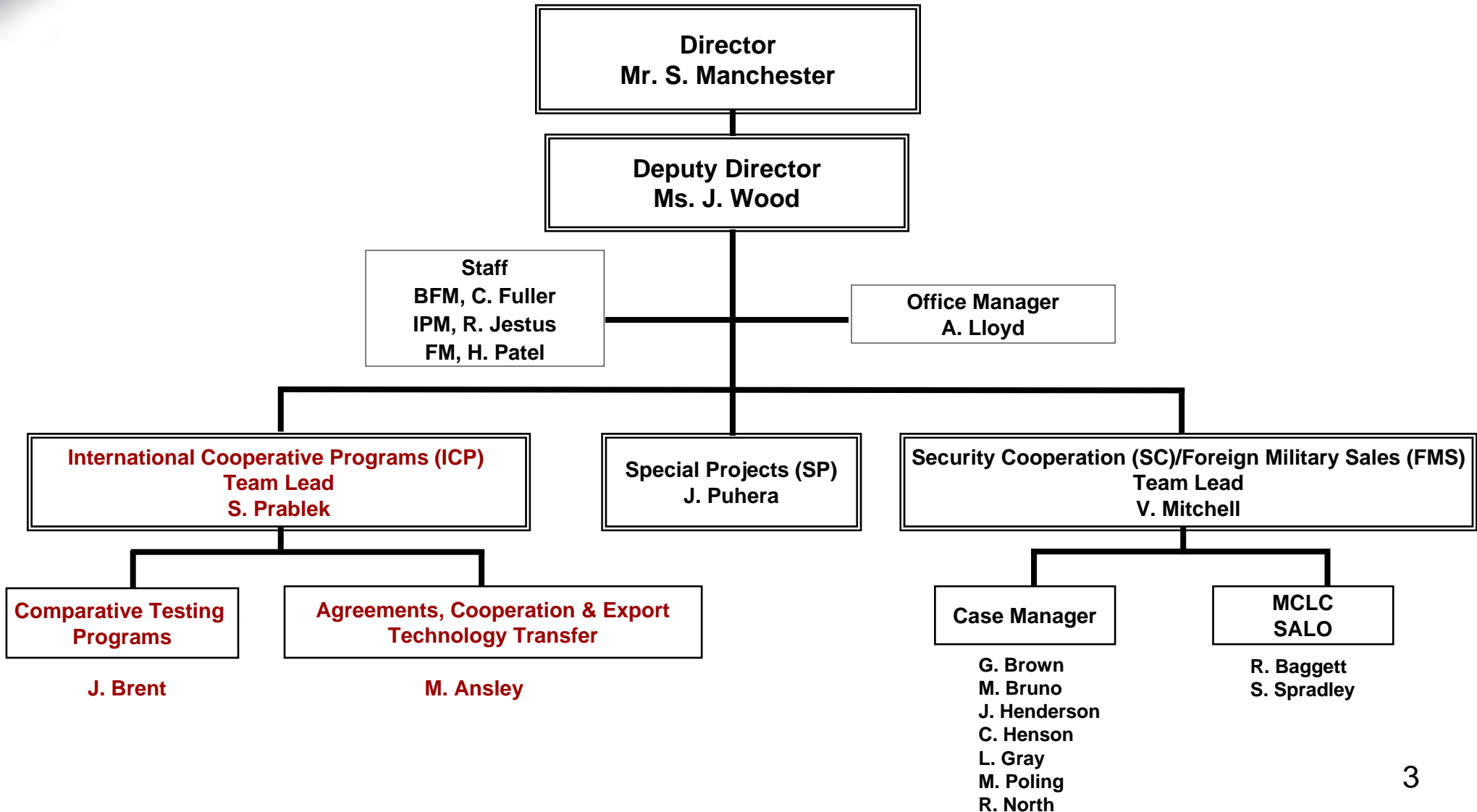
EQUIPPING THE WARFIGHTER TO WIN

MARCORSYSCOM





International Programs Directorate





International Programs Mission

Execute all International Programs effectively and efficiently while ensuring customer satisfaction

- Security Cooperation Program
 - Foreign Military Sales (FMS)
- International Cooperative Programs (ICP)
 - Defense Acquisition Challenge (DAC)
 - Foreign Comparative Testing (FCT)
- Special Projects (SP)
 - Foreign Equipment Solutions in Support of the Warfighter



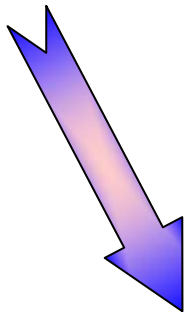
EQUIPPING THE WARFIGHTER TO WIN

International Solutions

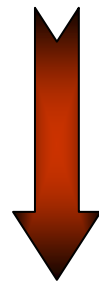


for the Warfighter

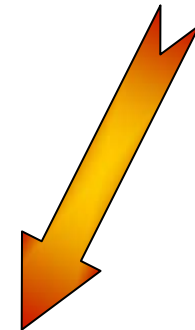
FMS



IGP



SAP



Warfighter Success!!!



ICP Mission

Promote the Exchange of Technology, Equipment and Information with **Industry and Government** of U.S./Allied Nations by Initiating, Coordinating, and Managing the Comparative Testing Programs (CTP), Agreements, Cooperation, Export, Disclosure and Technology Transfer



ICP Focus

- **Comparative Testing Programs (CTP)**
 - Foreign Comparative Testing (FCT) Program
 - Defense Acquisition Challenge (DAC) Program
- **Agreements, Cooperation & Export**
 - ITAR Exemptions
 - Information Exchange Agreement (IEA)
 - MOU/MOA Coordination
 - Project Agreements
 - Program Protection Plan
- **Technology Transfer**
 - Export License Review
 - End User Certificate (EUC)
 - Section 65 Loan



CTP Programs

Foreign Comparative Testing (FCT) Program

- Congressionally authorized in 1989 by Title 10, U.S. Code, Section 2350a(g)
- Test and evaluate foreign non-developmental equipment that demonstrates potential to satisfy military requirements

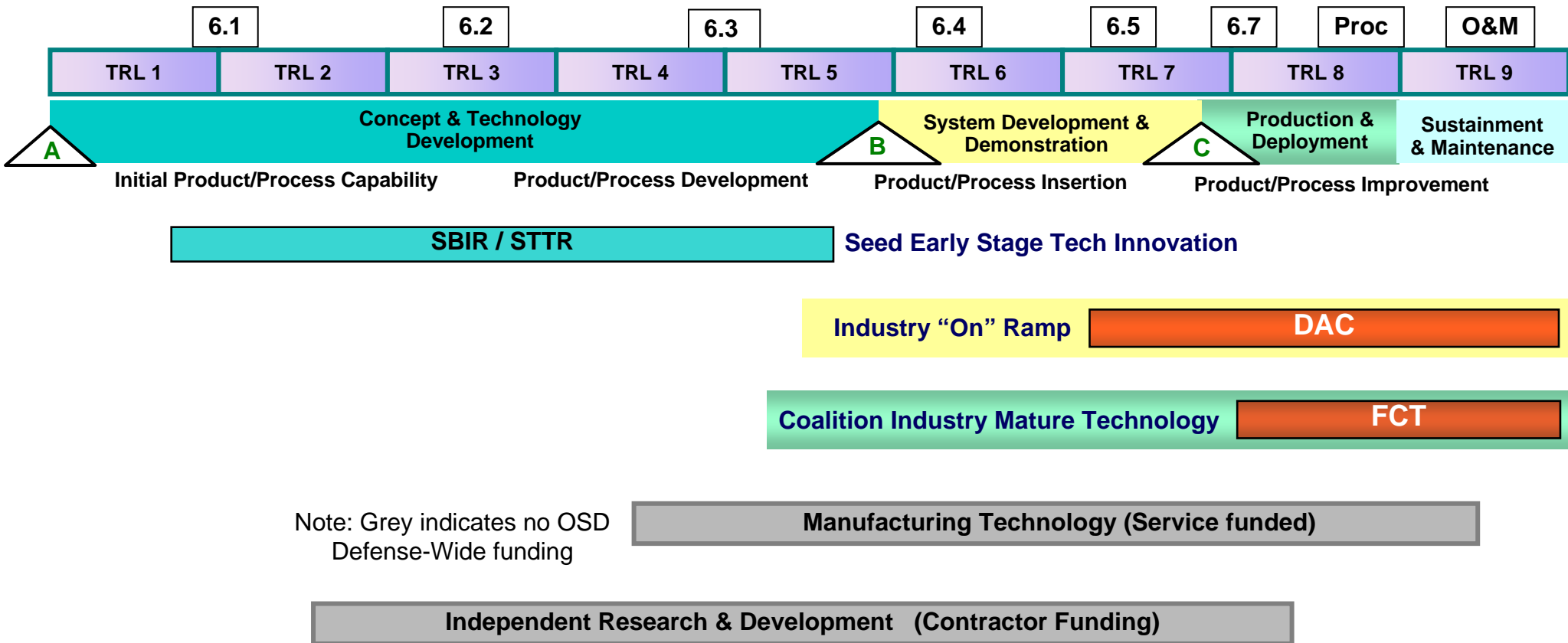
Defense Acquisition Challenge (DAC) Program

- 2003 Authorization Act established Title 10, U.S. Code, Section 2359b
- Provides opportunities for the increased introduction of innovative and cost-saving technology or products into existing DoD acquisition programs



EQUIPPING THE WARFIGHTER TO WIN

Acquisition Technology Insertion



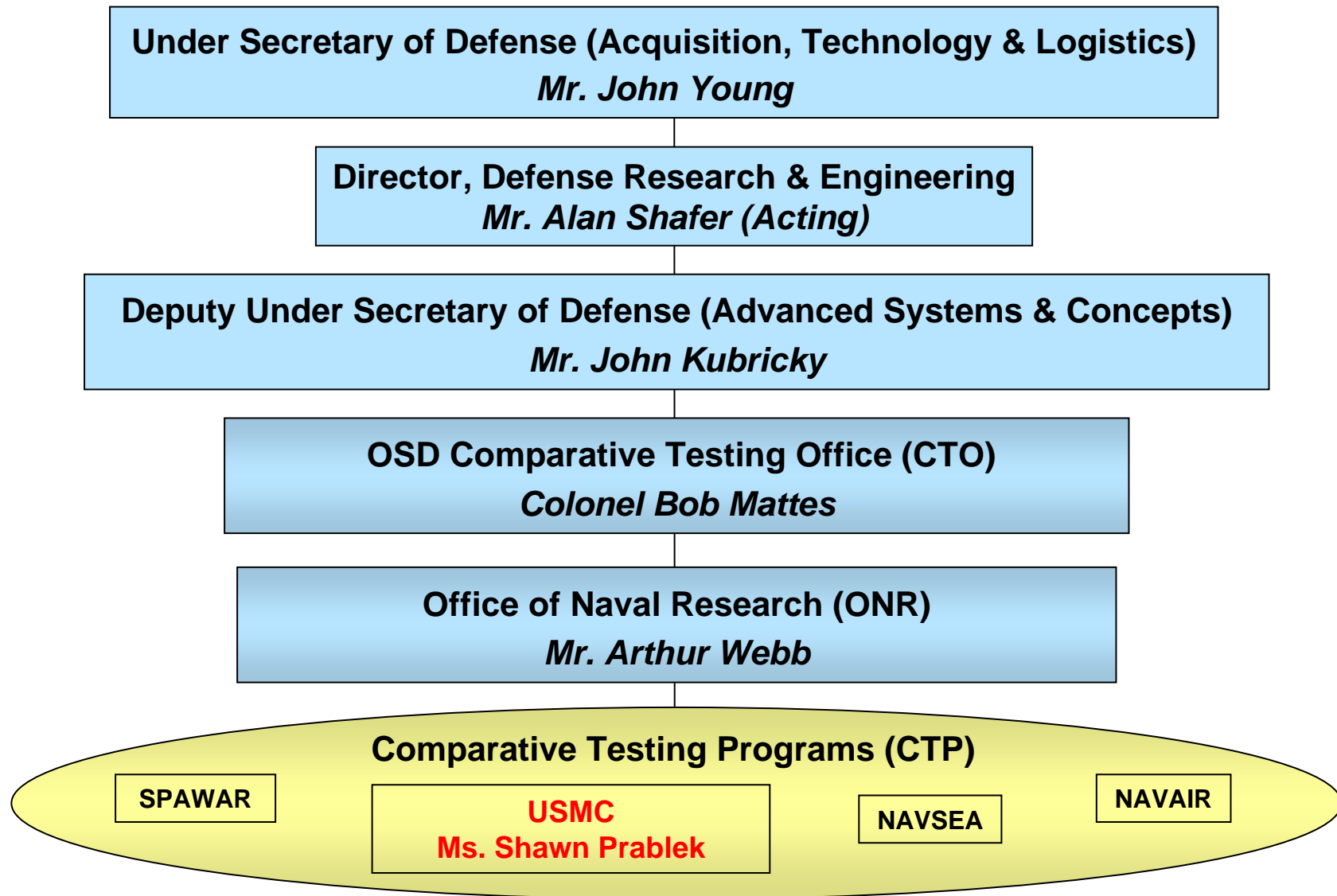


FCT & DAC Program Oversight

- Administered by the Office of the Secretary of Defense Comparative Testing Office (OSD CTO)
 - Programmatic and fiscal responsibility
 - Participants consist of the following:
 - U.S. Army
 - U.S. Navy/USMC
 - U.S. Air Force
 - U.S. Special Operations Command



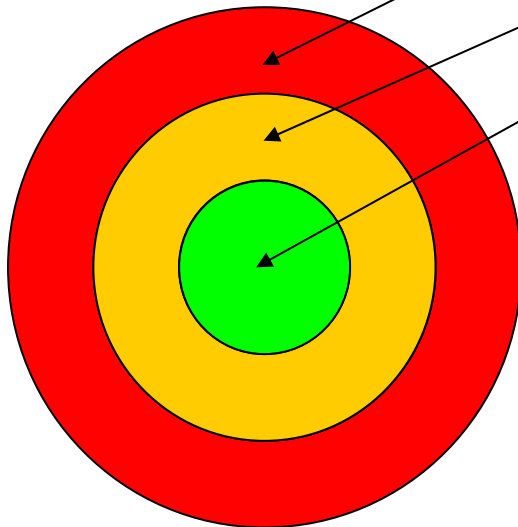
CTP Chain of Command





DoD FCT Performance Metrics

Over the Last
28 Years:



584 Projects Started, 497 Completed

271 Projects Met Service Requirements

193 Projects - Procurements Worth over \$8.51B

- Participation of 28 U.S. Allied & Friendly Countries
- OSD Investment: \$1.1B (Constant FY07 \$\$)
 - Estimated RDT&E Cost Avoidance: \$7.4 Billion
- Accelerated Fielding Averaging 5-7 years
- Procurement Rate over 80% in the Past 6 Years

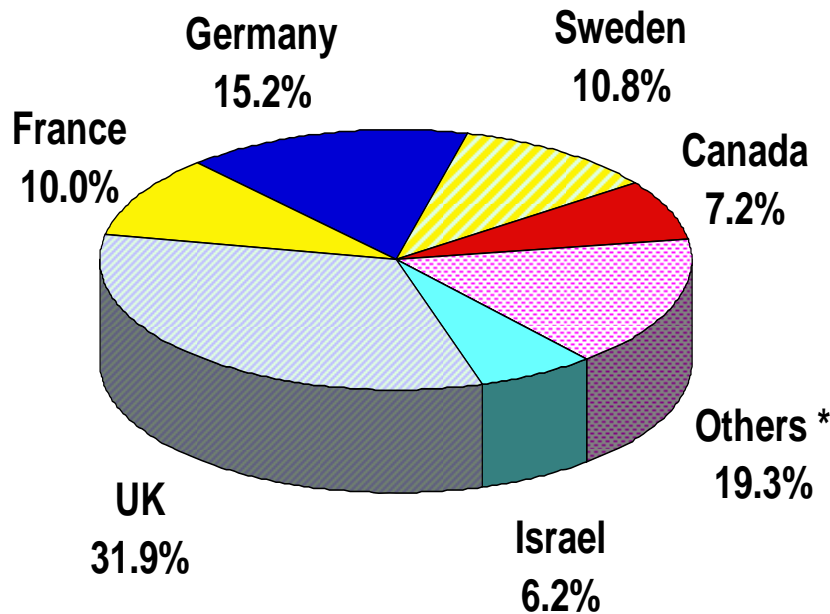
Bilateral Benefits: Vendor Teaming with U.S. Industry in 33 States



DoD FCT Return on Investment

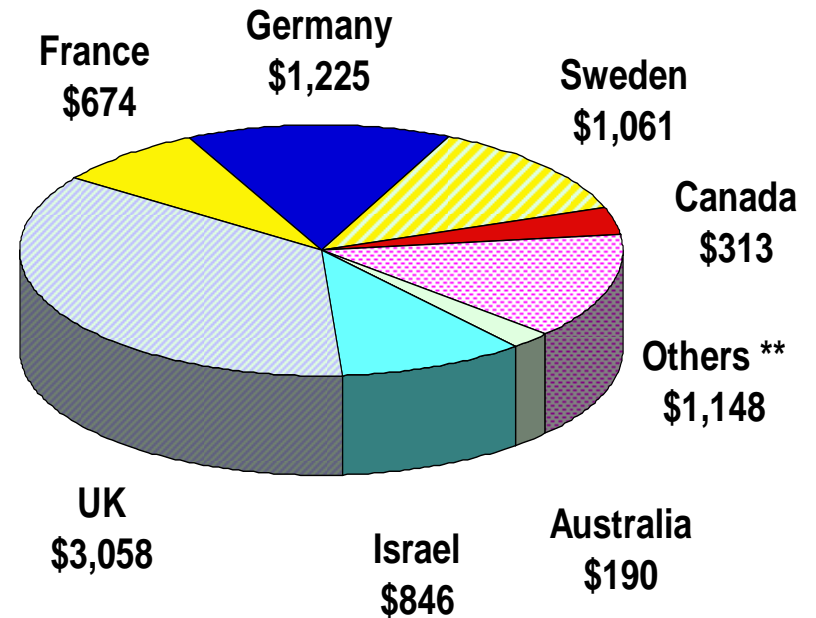
By Country (FY 1980 – 2008)

**FCT Funding Provided
(Percent by Country - \$1.1B)**



* Others -- Australia, Austria, Belgium, Croatia, Denmark, Finland, Iceland, India, Italy, Japan, Netherlands, New Zealand, Norway, Poland, Russian Federation, Republic of South Africa, Republic of Korea, Singapore, Switzerland, Ukraine

**Procurements
(\$Million – Overall \$8.51B)**



** Others -- Belgium, Denmark, Finland, India, Italy, Japan, Norway, Russian Federation, Republic of South Africa, Switzerland

Reflects FY08 Constant Year Dollars

DoD DAC Performance Metrics

Metrics & Measures (FY03-08)

- **Interest & DoD Ability to Support**
 - 1716 proposals submitted - Phase 1
 - 353 endorsed by Programs of Record (PoRs) / (PEOs/PMs) - Phase 2
 - 97 projects awarded (~\$147M)
- **80 companies from 31 states**
 - 70% are small / medium enterprise technology providers, not by design or mandate
- **Return on Investment (ROI) ~ 9:1**
 - Based on 14 completed projects utilized in Global War on Terror (GWOT)

- **FY06**
 - 22 New Starts
 - 13 Continuing
- **FY07**
 - 18 New Starts
 - 16 Continuing
- **FY08**
 - 13 New Starts
 - 14 Continuing



What is the Purpose of FCT?

Test and Evaluate Foreign Non-developmental Technology that Demonstrates Potential to Satisfy U.S. Warfighter and/or Warfighter Support Requirements with Intent to Procure

What is the Purpose of DAC?

Test and Evaluate Technologies that have Potential to Improve Current Acquisition Programs at Component, Subsystem, or System Level with Intent to Procure



What Makes A Good Candidate?

A **viable solution** to resolve the warfighting capability gap.

The solution should address:

- Benefit to Warfighter
- Non-Developmental
- Teaming Potential
- Economical Viability
- Technology Superiority



CTP Areas of Focus

- Improved Operations
 - Effectiveness (lethality, accuracy, endurance)
 - Survivability (protection, agility, stealth, medical)
 - Force Protection (defensive systems, detection, armoring, chemical - biological defense)
 - Sustainability (lighter / combined equipment, longer missions, better batteries)
- Direct Warfighter Support
 - Logistics (supply chain management in the field, equipment reliability)
 - Teaming (e.g., Network & Information Centric Operations at the tactical or operational level)
 - Surveillance, tagging and tracking (blue and hostile forces tracking, friendly identification)



CTP Areas of Focus (Con't)

- Warfighter Employment
 - Planning capabilities (large unit employment)
 - Coordinating capabilities (Network or Information Centric Operations at the strategic level)
 - Transport capabilities (getting to and from the fight)
 - Operational readiness (equipment availability, maintainability, training)

“Focus on the Global War on Terror (GWOT) and USMC Expeditionary Warfare”

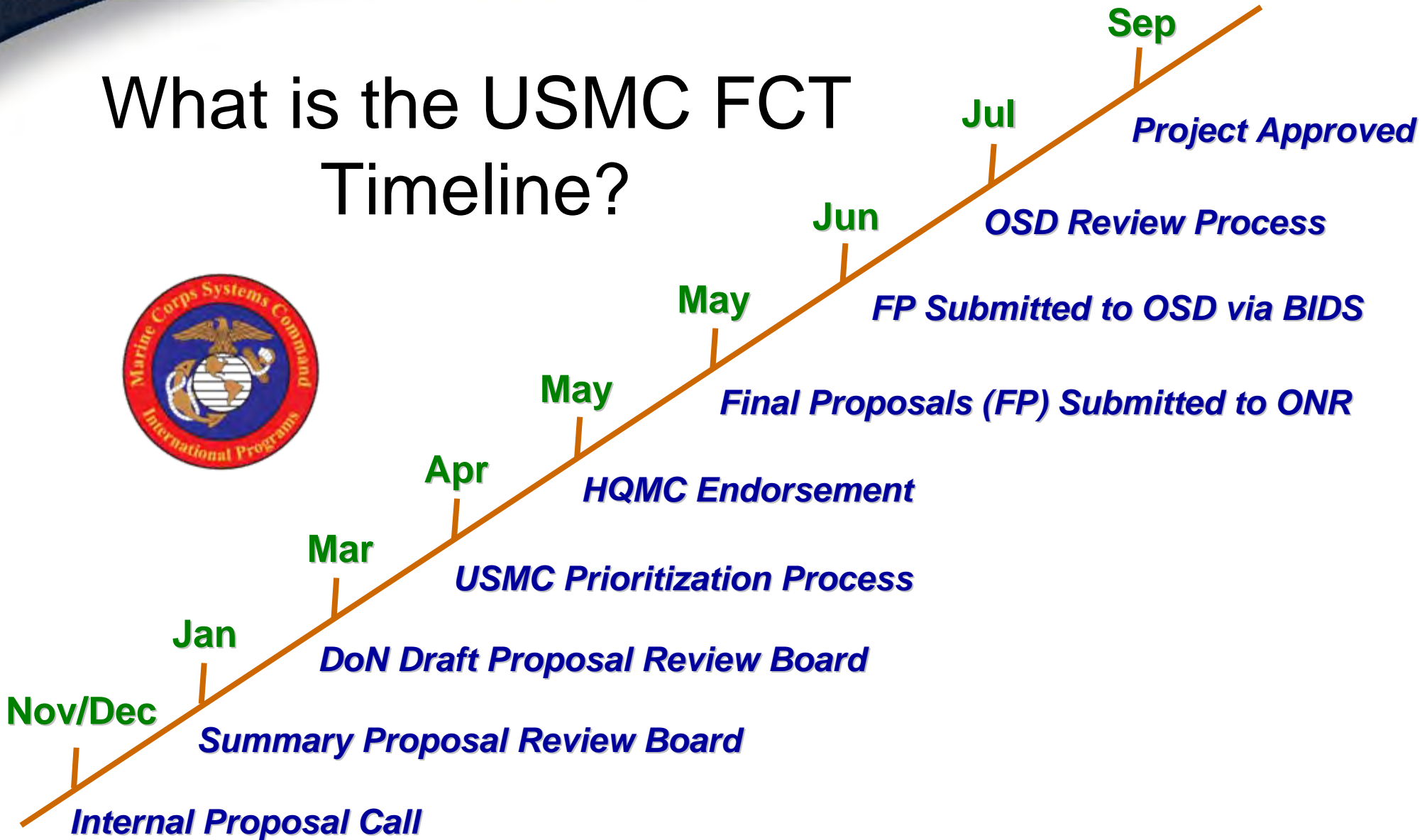


How Can Industry Participate?

- Strong capabilities that fulfill Warfighter needs
 - Can be a dominating industry presence in its field
 - Can be a niche market provider
- Utilize Federal Business Opportunity (FBO)
 - <http://www.fedbizopps.gov/>
- Good relationship with U.S. Embassy ODC for FCT
- Utilize Broad Agency Announcement (BAA) Information Delivery System (BIDS) portal for DAC
 - <https://cto.acqcenter.com/>



What is the USMC FCT Timeline?



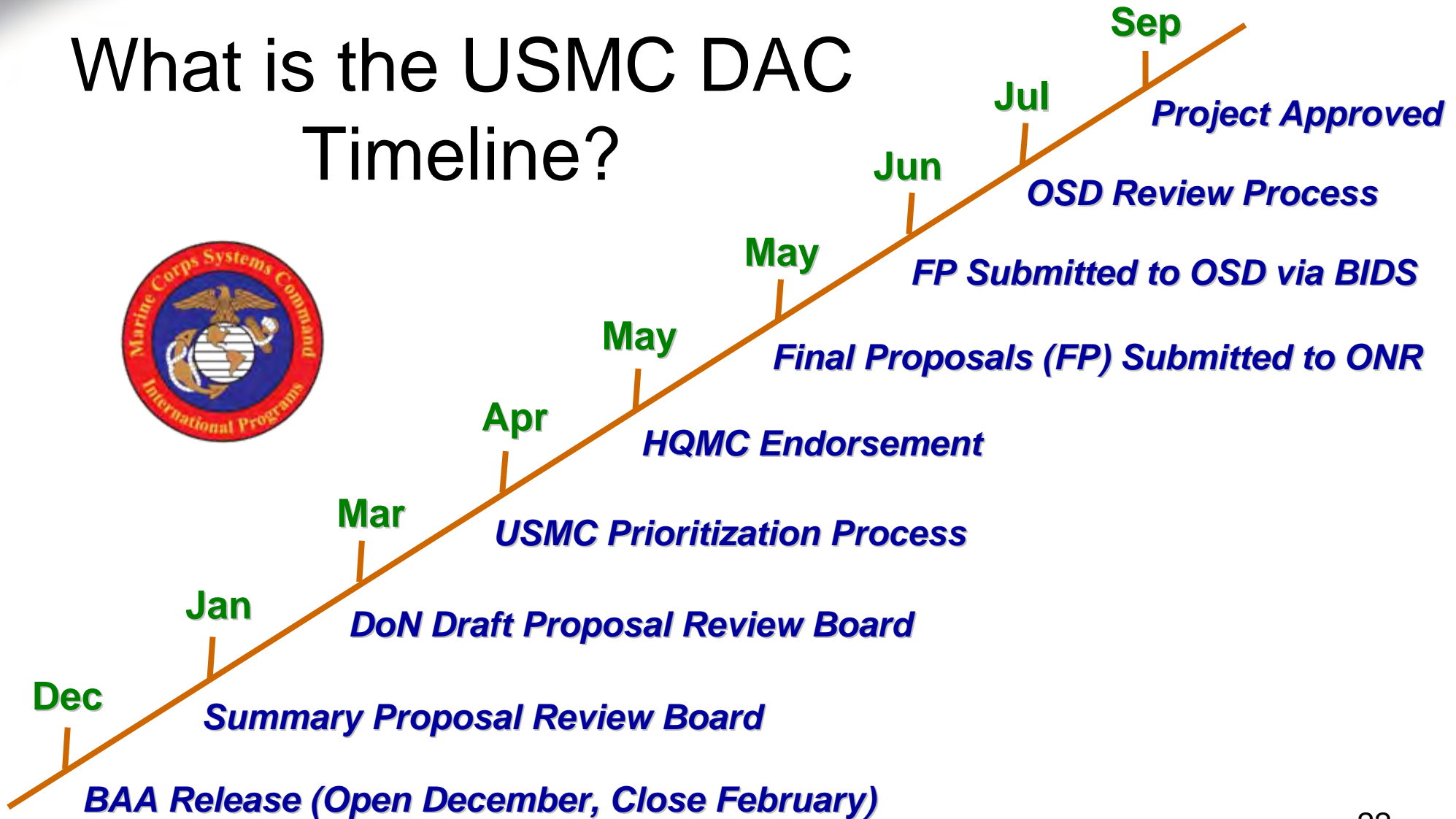


FCT Proposal & Evaluation Process

- Pull Method
 - MCSC IP initiates proposal solicitation
 - The PM Office identifies capability gap and submits proposal
- Proposal Evaluation
 - Valid Requirement/Capability
 - Benefit to the Warfighter
 - Realistic Cost & Schedule
 - Intent to Procure
- Advocacy
 - HQMC
 - Marine Corps Combat Development Command (MCCDC)
 - Commander MARCORSYSCOM



What is the USMC DAC Timeline?





DAC Proposal & Evaluation Process

- Push Method
 - Vendor responds to BIDS announcement and submits proposal
 - MCSC IP identifies cognizant PM Office for administrative & technical review
- Proposal Evaluation
 - Valid Requirement/Capability
 - Benefit to the Warfighter
 - Realistic Cost & Schedule
 - Intent to Procure
- Advocacy
 - HQMC
 - Marine Corps Combat Development Command (MCCDC)
 - Commander MARCORSYSCOM



Key Differences Between FCT & DAC

- Solicitation Process
 - FCT uses a pull method (proposals initiated by PMs)
 - DAC uses a push method (required by legislation to use the BAA)
- Funding Restriction
 - FCT can only fund the testing of **“Foreign”** NDI
 - DAC can only fund the testing of **“Domestic”** items
- Preferred Technology Readiness Level (TRL)
 - TRL of 8 or 9 for FCT
 - TRL of 7 or higher for DAC
- 30 Day congressional notification required for FCT project approval



USMC CTP Performance

- 38 FCT projects funded since FY98
 - 25 projects met USMC requirements resulting in over \$218M in procurements
 - Estimated RDT&E Cost Avoidance is over \$258M
- 15 DAC projects funded since FY03
 - 5 projects met USMC requirements resulting in over \$5M in procurements
 - Estimated RDT&E Cost Avoidance is over \$18M

USMC has secured over \$26M in funding for successful Marine Corps FCT and DAC participants



Successful USMC FCT Examples

- Urban Deployable Instrumented Training System
 - Sweden (\$10M*)



- M16A2/M4 Training Replacement Bolt
 - Canada (\$8.8M*)



- M1A1 Biocular Image Control Unit
 - United Kingdom (\$6.7M*)



* Indicates amount of USMC procurement to date



Successful USMC FCT Examples (Con't)

- M1A1 Eye-Safe Laser Rangefinder
 - Germany (\$13.5M*)



- NBC Block II Glove Upgrade
 - Canada (\$5M*)






- Joint Service Combat Shotgun
 - Italy (\$3.9M*)



* Indicates amount of USMC procurement to date



Successful USMC DAC Examples

- High Performance Standard Advanced Dewar Assembly II
 - Raytheon Vision Systems, Texas (\$2.673M*) 
- 9MM Reduced Environmental Hazard Ammunition
 - Olin Winchester, Missouri (\$0.248M*) 
- Trailer Mounted Generator/Environmental Control Unit
 - General Dynamics C4 Systems, Arizona (\$3.28M* in FY06, \$1.02M* in FY07) 

Good News!!

Since 2001, four USMC FCT programs and two USMC DAC programs have won the prestigious OSD “Program Manager of the Year” award



AAAV 30mm Armor Piercing Fin-Stabilized Discarding Sabot Tracer Ammunition (Norway, Germany)
FY 2001 OSD FCT PM of the Year



Assault Breacher Vehicle Full Width Mine Plow and Lane marking System (Pearson Engineering, UK)
FY 2003 OSD FCT PM of the Year

Biocular Image Control Unit for M1A1 Firepower Enhancement Program (Brimar, UK)
FY 2005 OSD FCT PM of the Year

Trailer-Mounted Generator/Environmental Control Unit (General Dynamics C4 Systems, AZ)
FY 2006 OSD DAC PM of the Year



High Performance Standard Advanced Dewar Assembly II (Raytheon Vision Systems, TX)
FY 2007 OSD DAC PM of the Year

Urban Deployable Instrumented Training System (Saab Training Systems, SW)
FY 2007 OSD FCT PM of the Year





USMC Points of Contact

ICP Government Staff

Ms. Shawn Prablek

ICP Team Lead

703-432-4296

shawn.prablek@usmc.mil

Ms. Jackie Brent

CTP Manager

703-432-4300

jacqueline.brent@usmc.mil



ICP Support Staff

Mr. Ryan Leffas

Consultant Team Lead

540-288-0642 ext. 126

ryan.c.leffas@lmco.com

Mr. Brendhan Dillon

CTP Consultant

540-288-0642 ext. 134

brendhan.j.dillon@lmco.com

Marine Corps Systems Command

2200 Lester St.

Quantico, VA 22134-6050

Phone: (703) 432-4296

Fax: (703) 432-3552

www.marcorsyscom.usmc.mil

Research, Development, and Acquisition Overview

Roger M. Smith
DASN Expeditionary Warfare

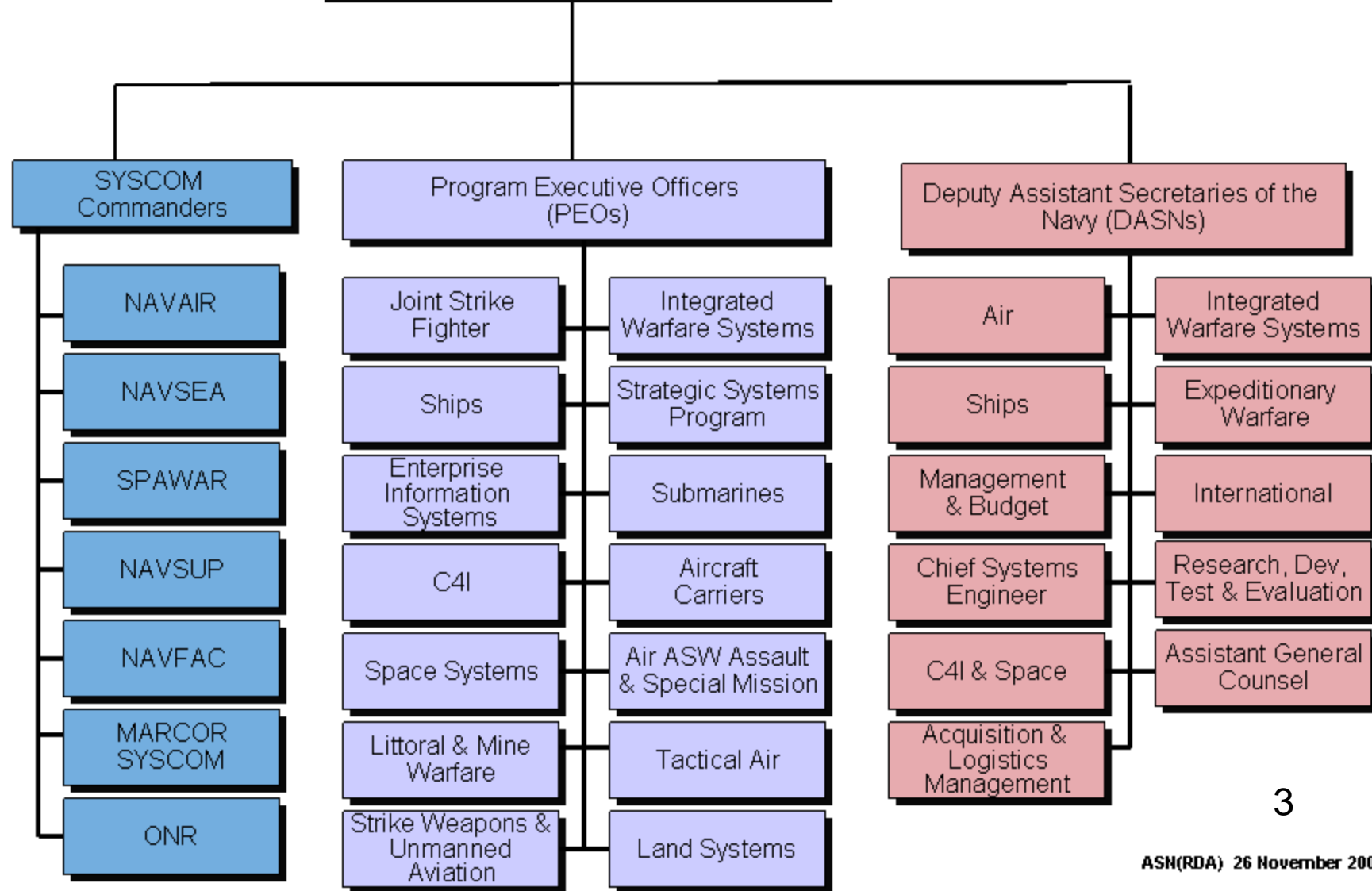


Agenda

- ASN RDA Role
- Major Capabilities In the Acquisition Pipeline
- Characteristics of Future Capabilities
- ASN RDA Comments To Industry
- ASN RDA Leadership & Management Initiatives
- Q&A Session

**OFFICE OF THE ASSISTANT SECRETARY OF THE NAVY
(RESEARCH, DEVELOPMENT AND ACQUISITION)**

ASSISTANT SECY OF NAVY (RDA)
(Acting) Mr. John S. Thackrah
Principal Deputy
VADM Dave Architzel



ASN RDA Role

- The Navy Research, Development, and Acquisition Team, in partnership with industry, which serves the Nation by developing, acquiring, and supplying technologically superior and affordable systems for the Navy, Marine Corps, Joint, and Allied forces.

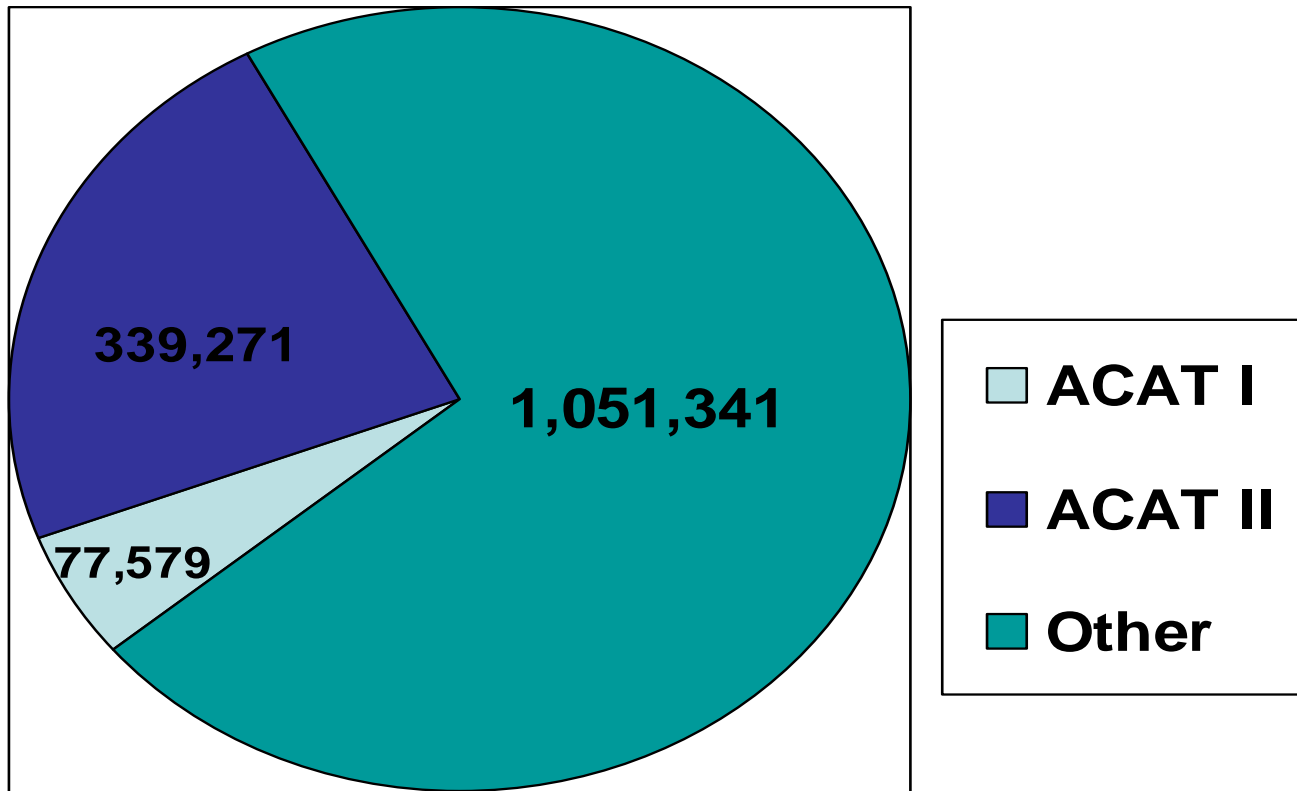
DASN RDA OVERSIGHT

ACAT DESIG	CRITERIA	MDA
ACAT 1	<p>Major Defense Acquisition Program (MDAPs) (10 USC 2430)</p> <ul style="list-style-type: none"> -RDT&E Total Expenditure > \$365M or Procurement > \$2.19B - USD(AT&L) designation as special interest 	<p>ACAT 1D: USD(AT&L)</p> <p>ACAT 1C: SECNAV, or delegated, ASN(RD&A) as CAE</p>
ACAT 1A	<p>Major Automated Information Systems (MAISs)</p> <ul style="list-style-type: none"> -Program costs/year (all approps) > \$32M, or Total program costs > \$126M -Total life cycle costs > \$378M -ASD(NII) designation as special interest 	<p>ACAT IAM: ASD(NII)/DoD CIO</p> <p>ACAT IAC: ASN(RD&A) as delegated by the DoD CIO</p>
ACAT II	<p>Does not meet the criteria for ACAT I Major Systems (10 USC 2303(5))</p> <ul style="list-style-type: none"> -RDT&E > \$140M or PMC > \$660M -ASN(RD&A) designation as special interest -Not applicable to IT system programs 	<p>ASN(RD&A), or the individual designated by ASN(RD&A)</p>

ACAT	PROGRAM TITLE	FY09 (\$K)	FY10-13 TOTAL (\$K)
ACAT I:			
ACAT ID	Expeditionary Fighting Vehicle (EFV)	0	1,117,199
ACAT IC	Medium Tactical Vehicle Replacement (MTVR)	0	0
ACAT IAC	Common Aviation Command and Control System (CAC2S)	49,339	149,396
ACAT IAM	Global Combat Support System - Marine Corps (GCSS-MC)	28,240	25,299
ACAT ID	Mine Resistant Ambush Protected Vehicle (MRAP) *	* No PR-09 baseline funding	
ACAT I SUBTOTAL		77,579	1,291,894
ACAT II:			
ACAT II	LW-155	2,669	5,399
ACAT II	Logistics Vehicle System Replacement (LVSR)	306,230	549,178
ACAT II	USMC CREW Systems	12,932	52,711
ACAT II	Ground/Air Task Order Radar (G/ATOR)	17,440	460,431
ACAT II SUBTOTAL		339,271	1,067,719
ACAT I & ACAT II GRAND TOTAL		416,850	2,359,613

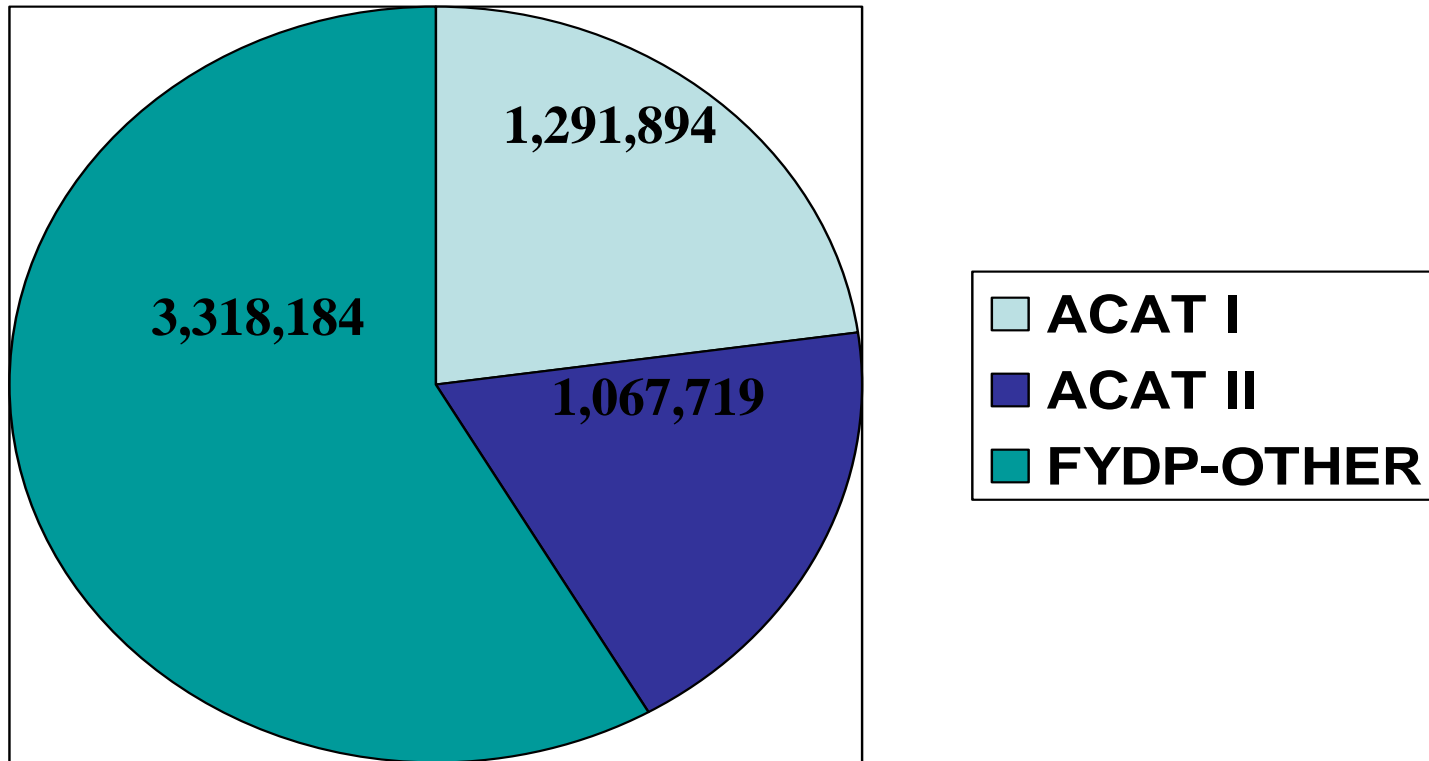
FY09 Investment

Total: 1,468,191



Investment Over FYDP

Total: 5,677,797



Air Programs in Pipeline

MV-22 OSPREY



CH-53K



F-35B JSF



UH-1Y



Ground Tactical Capabilities

- MRAP



EFSS/ITV



HIMARS

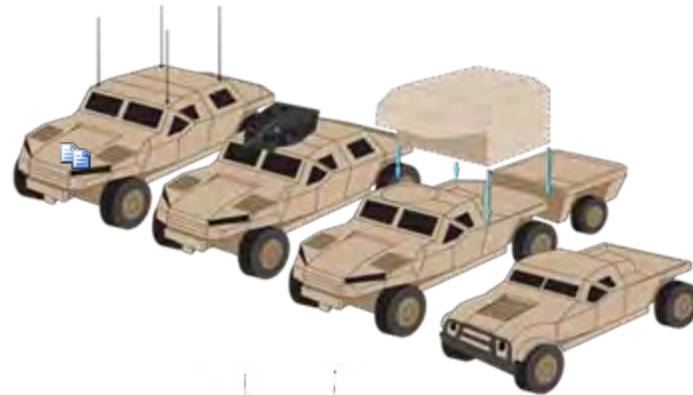


Ground Tactical Capabilities

- EFV



JLTV Family

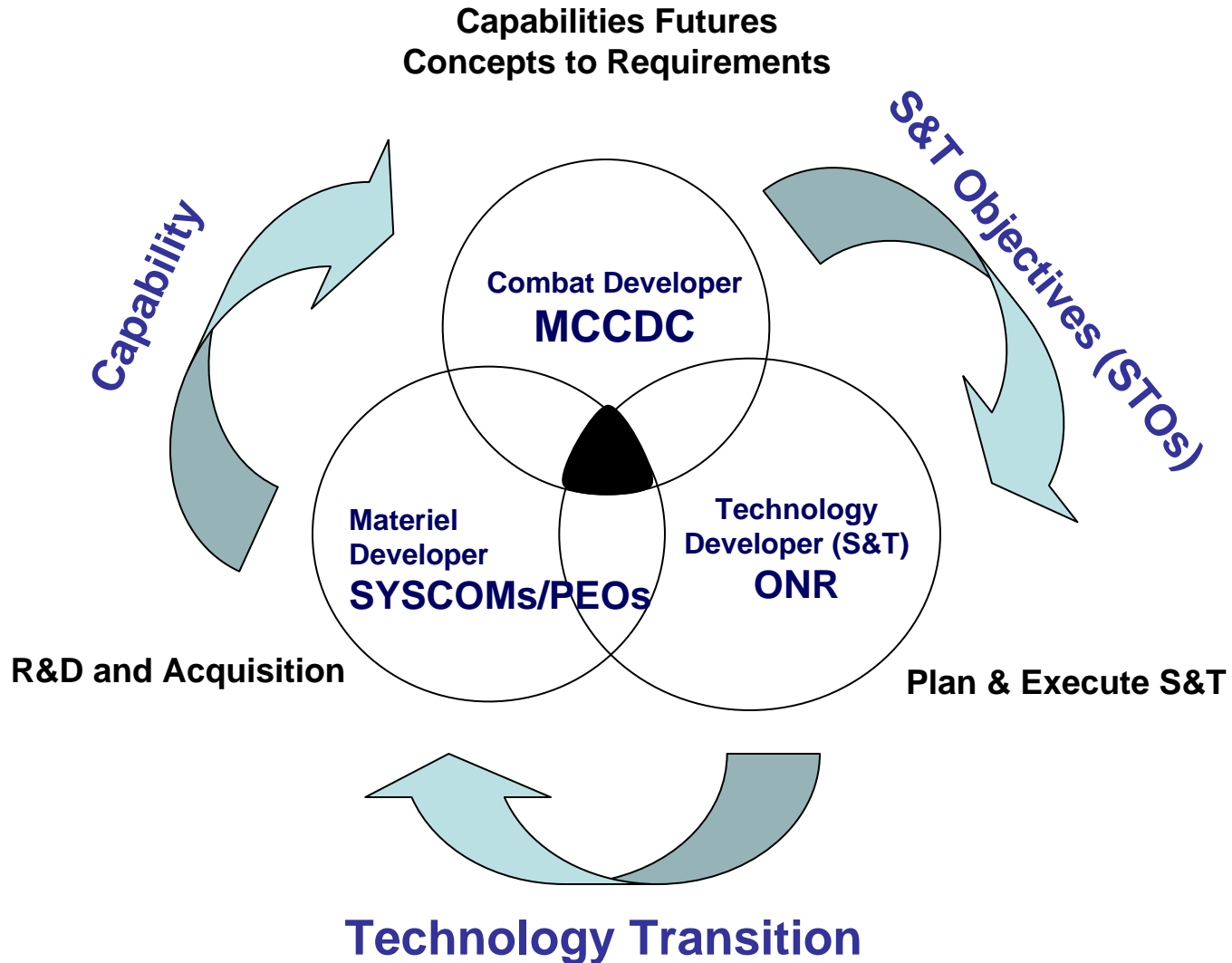


MPC

Future Capabilities

- Capabilities Generation Process
- Characteristics of Capabilities

Future Capability Process



Characteristics of Future Capabilities

- Light
- Interoperable
- Innovative Materials
- Full spectrum: Low Intensity to High Combat Operations
- SECNAV/CMC Surface Lift Analyses

Comments To Industry

- Legislative Environment
 - Deliver What You Propose On Schedule
 - Realistic Assessments of Engineering Required
 - Importance of Accurate Cost and Schedule Estimates
- OSD Policy
 - Testing
 - Competition Mandates Through SDD
 - Earned Value Management System (EVMS)
- Latent Impact of Acquisition Reform on SE

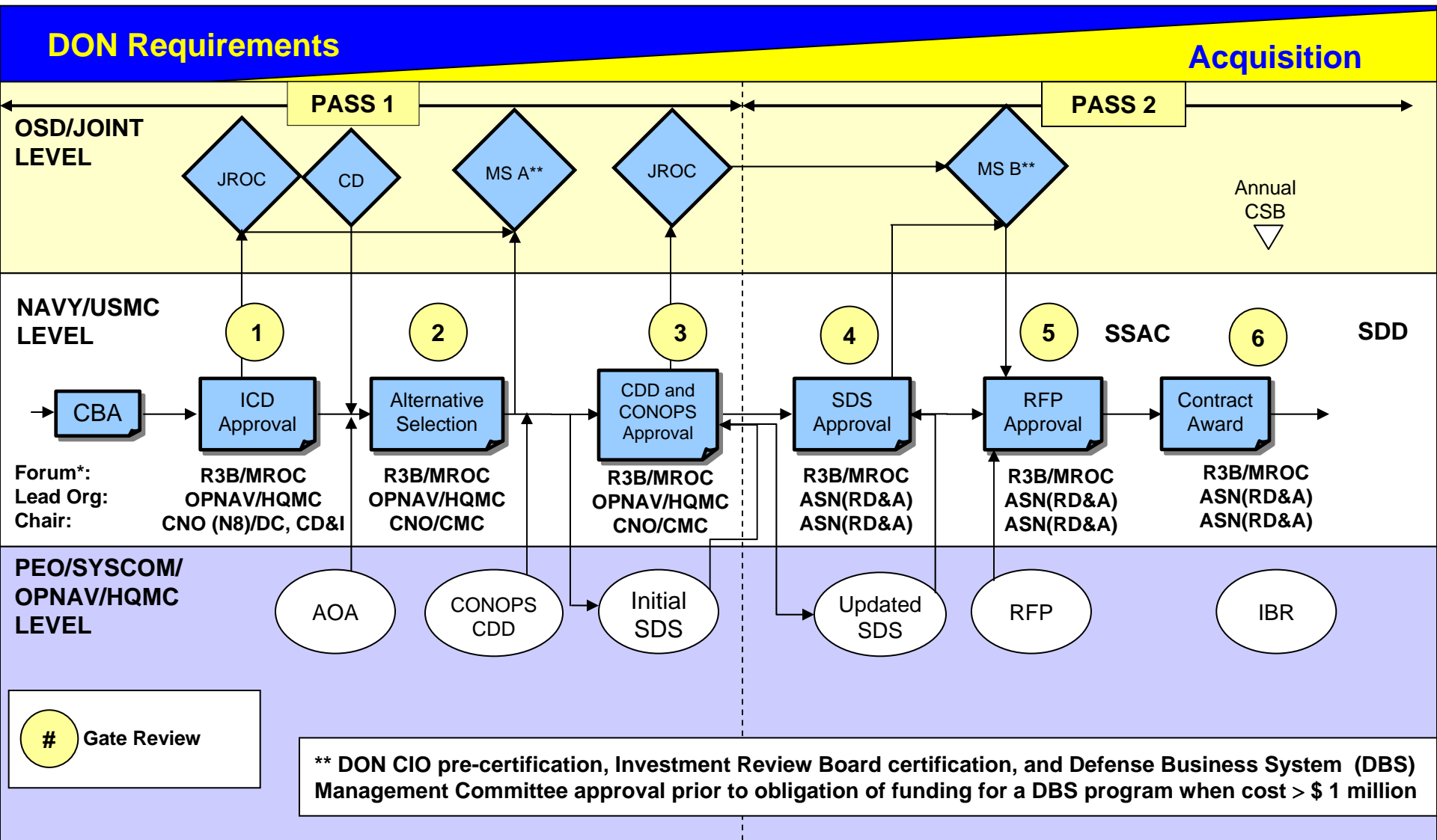
Comments to Industry

- Rigorous Systems Engineering Practices
 - Integrated Master Plan/Integrated Master Schedules are Key
- Cost Management
 - Realistic Cost Estimates
 - Meet Contracted Delivery Schedules

ASN RDA Initiatives

- Gate Reviews
 - Milestone A Emphasis
- Probability of Program Success (POPS)

DON Requirements/Acquisition Two-Pass/Six-Gate Process with Phase Development of System Design Specification (illustrated example for program initiation at Milestone B)



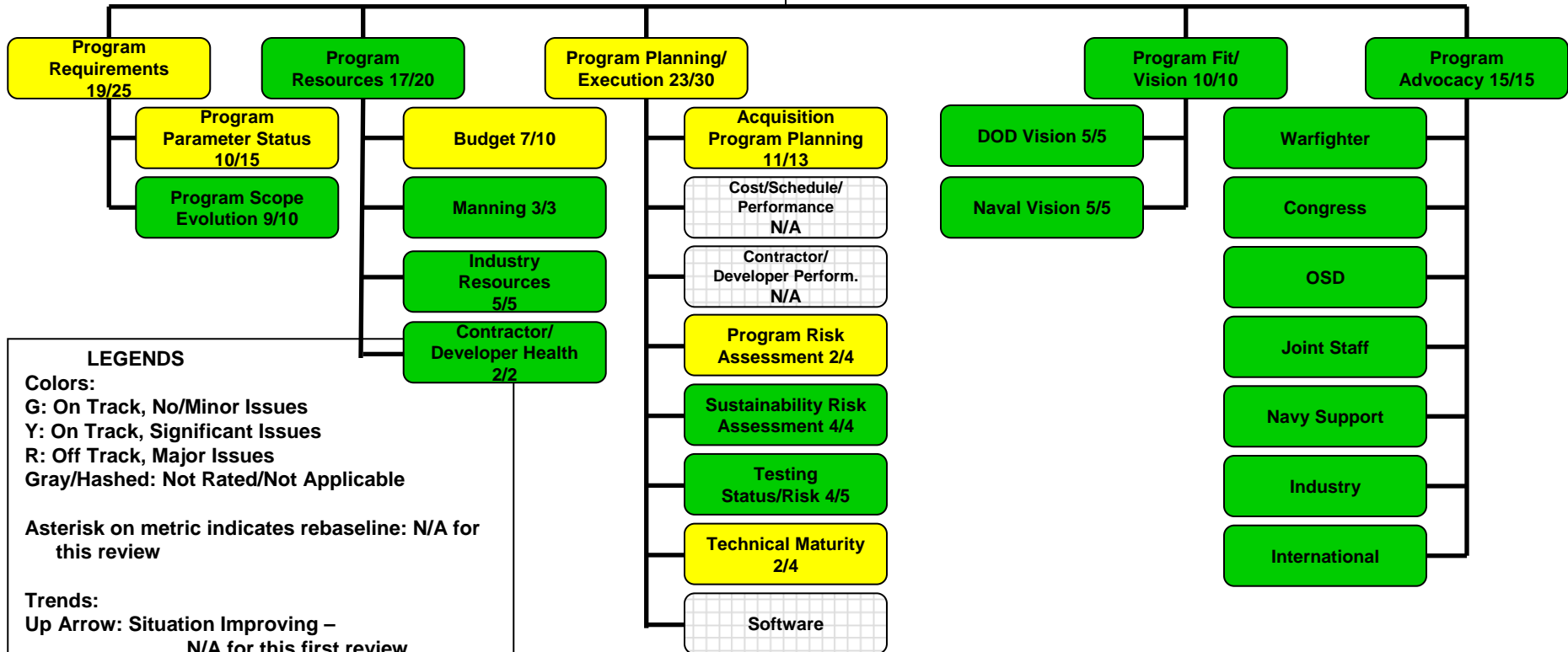
Program Health

Pre-Milestone B

Date of Review: 30 Apr 2008

PMS
Potential ACAT II
PM:

Program Success (84)



LEGENDS

Colors:
 G: On Track, No/Minor Issues
 Y: On Track, Significant Issues
 R: Off Track, Major Issues
 Gray/Hashed: Not Rated/Not Applicable

Asterisk on metric indicates rebaseline: N/A for this review

Trends:
 Up Arrow: Situation Improving – N/A for this first review
 Down Arrow: Situation Deteriorating – N/A for this first review
 (number): Risk Score (based on 100 possible)

Rebaselines Since Last Milestone (0)
 Last Rebaseline Date: N/A
 Program Life Cycle Phase: Pre-Milestone B

ASN RDA Initiatives

- SECNAV Corporate Reviews
 - Executive Level Exchanges
 - Change In Business Culture

Questions

- Questions and Answers



Lightweight 155mm Howitzer Overview



James Shields
Joint Program Manager



Program Office Principals:

PM *James Shields*

DPM *Keith Gooding*

Competency Alignment Team

- Business Manager: *Marty Kane*
- Contracts Manager: *David Wong*
- Lead Financial Manager: *Dawn Schorling*
- Lead Engineer: *Gabriel Jarani*
- Lead Logistician: *Kevin Ellis*

PEO LS

ORGANIZATIONAL VIEW

ASN (RDA)
DIRECT REPORT

PEO-LS
COL BILL TAYLOR

MARCORSYSCOM

LOGCOM

LOGCOM
LIAISON BILLET
MS. PAIGE (YA-3)

LIAISON STAFF

DEPUTY PEO-LS
MR. PIERSON (YC-3)

DPEO-LS
OFFICE MANAGER
MS. LITTLE (YA-2)

DPEO-LS
CHIEF of STAFF
MR. FERRIS (YA-3)

DPEO-LS
ACQUISITION
MR. GIERBER (YA-3)

CORE STAFF

DPEO-LS
ADMINISTRATION
MS. HALLORAN (CTR)

DPEO-LS
FINANCE
MR. HARRIS (YA-3)

DPEO-LS
ENGINEERING
MR. TRACEY (YA-3)

APEO-LS
C4I
MR. WILLS (YA-3)

APEO-LS
LOGISTICS
MS. TUCK (YA-3)

APEO-LS
COST ESTIMATING
TBD (YA-2)

APEO-LS
CONTRACTING
MS. MOSQUEIRA (YA-3)

APEO-LS
**CONGRESSIONAL/
PUBLIC AFFAIRS**
MR. BRANHAM (YA-3)

DIRECT SUPPORT STAFF
COMPETENCY ALIGNED

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

PEO LS PORTFOLIO IS \$5.6 B ACROSS THE FUTURE YEARS DEFENSE PROGRAM (FYDP).

LW155

LVSR

MTVR

EFV

MPC

JLTV

CAC2S

G/ATOR

PEO LAND SYSTEMS MARINE CORPS

IT'S ALL ABOUT THE WARFIGHTER



Requirements:

Weight	10,000 pounds or less
Emplace, Displace	<3 min, 2-3 min
Maximum Range	30 km (assisted)
Rate-of-Fire	4/min max, 2/min sustained
Prime Mover	Current 5T truck, FMTV, MTRV
Air mobility	MV22, CH53D/E, CH47D
Fire Control	Digital & Optical
Precision Fire	Excalibur Capable

Towed Artillery Digitization

Mission Computer



Commo Box
Radio
GPS
PIK



Power Control Unit



Inertial Navigation Unit



Batteries



Vehicle Motion Sensor



Chief of Section Display



Gunners Display

Program Status :

- Joint USMC/Army Program in Full Rate Production
- AAO 511 USMC and 366 Army Systems
- USMC IOC Achieved Dec '05
- M777A2 In-Service in OIF/OEF
- Contract for Additional Qty Awarded 31 Mar 08
- Potential for ~100 more NLT Dec 09
- FMS Potential for 200+ Systems



In Production Since 2003

BAE SYSTEMS is Prime Contractor

LRIP Contract for FY03-05 for 94

Joint Multi-Year Contract FY05-FY08 for 495 systems

FY08 Contract for 87 systems

Supply Chain Established – Miscellaneous Support Work

New Equipment Training

Program Office Support

Field Service Reps

Future Upgrades and Opportunities

Software / Software Maintenance

Laser Ignition

Digital Fire Control Refresh/Obsolescence

On-Board Radar

Performance Based Logistics for Life Cycle Support

GENERAL DYNAMICS
Strength on Your Side™

Digital Fire Control
Burlington, VT

BAE SYSTEMS

Prime Contractor & Developer
Elevating Mass & Cradle Assembly
Barrow-in-Furness, U.K.
Final Integration
Hattiesburg, MS



Joint Program
Office
Picatinny Arsenal, NJ



Upper Carriage
Whitehall, MI

LW155 Supply Chain 80% US Content



Optical Fire Control
St Louis, MO



Wegmann USA
Elevating Gear
Lynchburg, VA



Cannon Assembly
Watervliet Arsenal
Watervliet, NY



Titanium



Body
Assembly

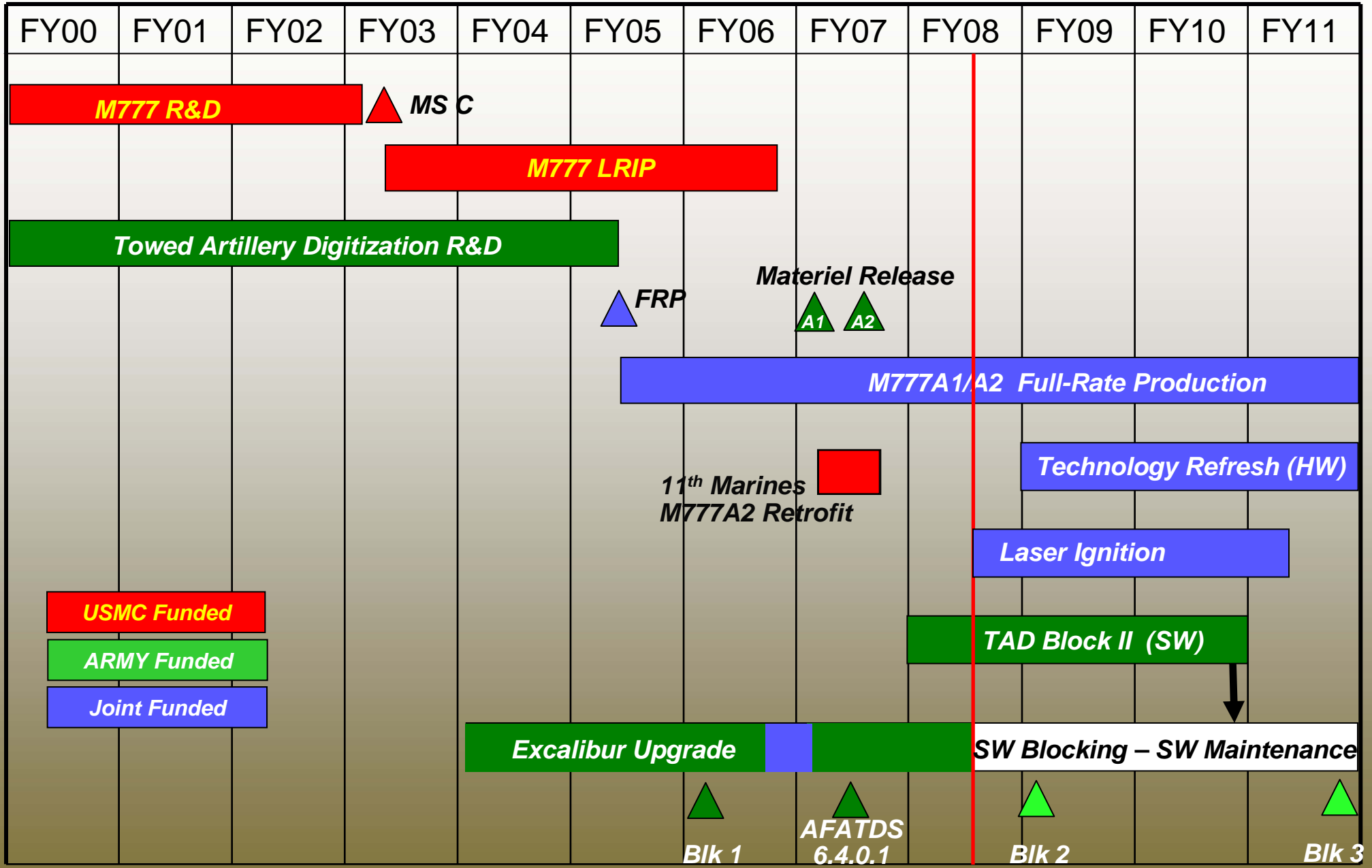
GENERAL DYNAMICS
Canada

Mission Computer
Software and Displays



Lower Carriage

Schedule/Funding



RDT&E	\$6.0M	\$5.6M	\$5.6M	\$0M
PROC	\$587.1M	\$116.7M	\$41.0M	\$38.8M
O&M	\$8.5M	\$7.9M	\$8.2M	\$8.4M



Summary

- LW155 in Full-Rate Production for USMC and Army
- BAE SYSTEMS is the Prime Contractor
- Future Work Involves Refresh of the Digital Fire Control
- PBL Strategy Under Development – Dec 08 Decision

PEO LAND SYSTEMS MARINE CORPS

IT'S ALL ABOUT THE WARFIGHTER





MARINE CORPS SYSTEMS COMMAND
UNITED STATES MARINE CORPS

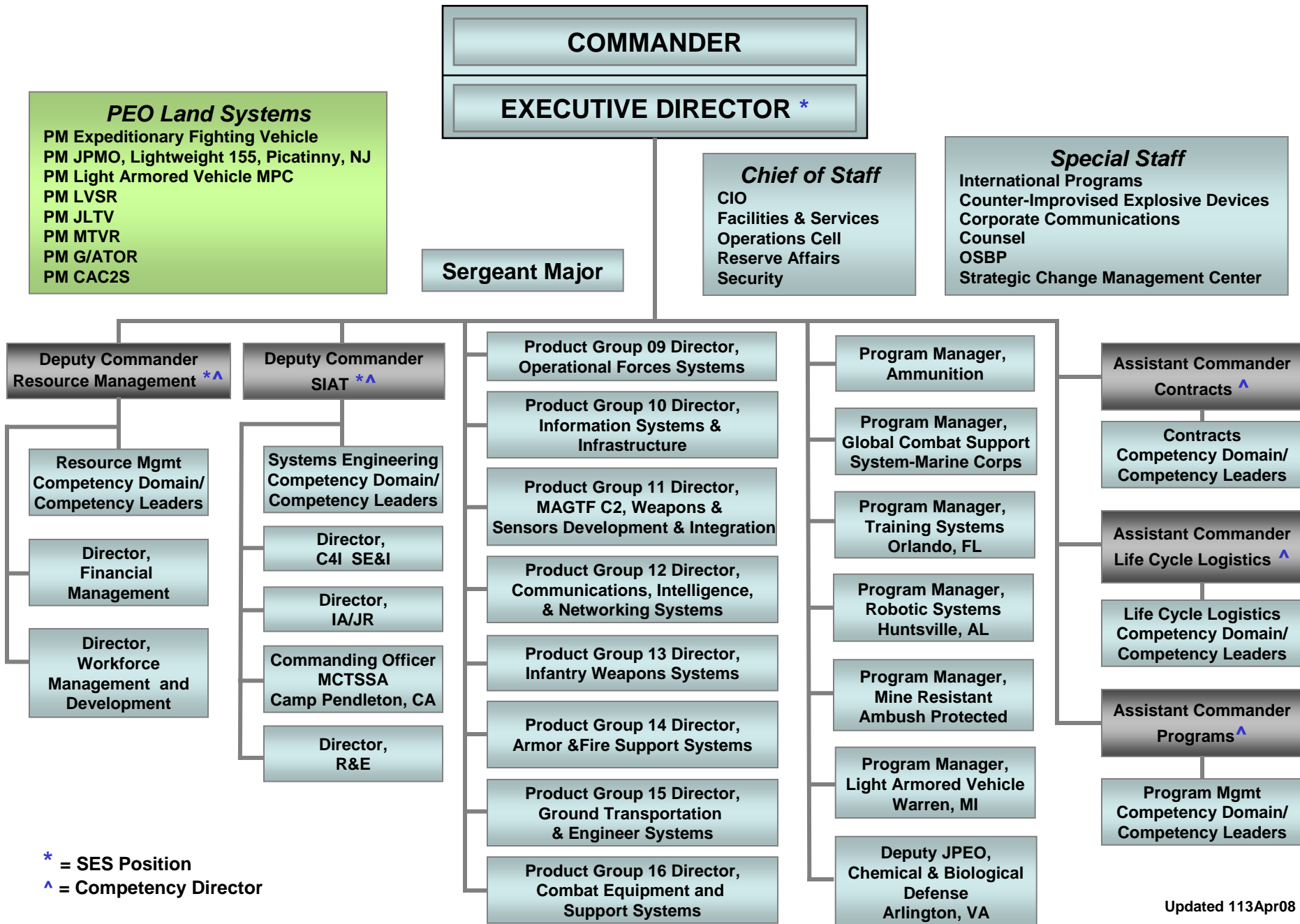
Advanced Planning Briefing To Industry

May 13 – 14, 2008

Jeraline S. Artis

Associate Director, Small Business Programs

MARCORSYSCOM ORGANIZATION





MISSION

To assist the Marine Corps Systems Command in maintaining a successful Small Business Program and expanding opportunities for small businesses.

VISION

To foster and inspire an environment that encourages small business participation within the Command.



REQUIREMENTS

Transportable Vehicle with Fire Support System
Armored Fighting Vehicle
Monocular Night Vision Device
Small Arms Protective Vest
Combat Vehicle
Combat Utility Uniform and Load Bearing Equipment
Modular Unmanned Aerial Vehicle
Radar System and Equipment (except aircraft)
Grounds Maintenance
Food Product Equipment and Machinery



REQUIREMENTS

High Mobility and Artillery Rocket System

Vehicle Parts and Accessories

Combat Clothing and Boots

Optical Sight & Range Equipment

Tactical Computer Equipment & Devices

Industrial Supplies

Medical Equipment and Supplies

Mobile Drive-by Screening System

Nuclear, Biological, Chemical & Radiological Detection System



REQUIREMENTS

Wireless Radio System
Infantry Weapon System
Special Purpose Equipment for Dive and Cargo
Parachute System
Automatic Weapon System
Artillery Rocket System
Ground Combat Equipment
Engineering Services
Tactical Computer Equipment & Devices
Antennas



REQUIREMENTS

Incident Response System (explosives)

Medical Team System and Equipment

Modular Shelter and Combat Tent

Portable Space Heater

Camouflage Net System

Visual Information System (cameras, video machines, computers, copy machines, etc.)

Training System and Analysis

Industrial, Office and Safety Supplies

Portable Toilet Rental



SBIR PROGRAM

There are currently 25 Phase I and 44 Phase II contracts in the program.

- Information Systems and Infrastructure – PG 10 (1)
- Infantry Weapons Systems - PG 13 (15)
- Ground Transportation & Engineer Systems – PG -15 (10)
- Combat Equipment & Support Systems – PG 16 (16)
- DRPM AAA PEO Land Systems (EFV) (23)
- PM AMMO (4)

Mr. Paul Lambert, Program Manager, 703-432-3502

Paul.lambert@usmd.mil

www.marcorsyscom.usmc.mil/sites/tto/sbir/SBIR_HOME.htm



MENTOR-PROTÉGÉ PROGRAM

Currently, MCSC does not have any Mentor-Protégé Agreements; however, any interest from industry is encouraged.

MCSC 's goal is to encourage industry to develop teams that will allow mentor or protégé opportunities in support of the warfighter and benefit the Department of Defense.

Ms. Melony Suber, Program Manager, 202-685-6489

Melony.suber@navy.mil

www.acq.osd.mil/osbp/mentor_protege



SMALL BUSINESS SPECIALIST

Susan L. Humann, Deputy for Small Business
Marine Corps Tactical Systems Support Activity
Camp Pendleton, CA

Susan.humann@usmc.mil

www.mctssa.usmc.mil

(706) 725-2478

Ms. Humann is a part-time Small Business Specialist performing a full range of small business duties. Her Command issues requirements for Software Support, Software Engineering Support, Systems Acquisition Expertise, software/Firmware Design and Development.



SMALL BUSINESS SPECIALIST

Sandi Brubaker, Deputy for Small Business
Marine Corps Systems Command, PM Training Systems
Orlando, FL

Sandi.brubaker@usmc.mil

(407) 380-8184

Ms. Brubaker is a part-time Small Business Specialist performing a full range of small business duties. Her Command issues requirements for Training Systems, Fielding and Logistics Support, Training Software, and Contractor Operations and Maintenance Support.



Jeraline S. Artis

Associate Director

Small Business Programs

Jeraline.artis@usmc.mil

www.marcorsyscom.usmc.mil

(703) 432-3946 (DSN 378)

(703) 432-3336 (Fax)

Ground Transportation and Engineer Systems

Product Group 15 Overview

Mr. Gordon W. Taylor
Product Group Director
(703) 432-3822
Gordon.taylor@usmc.mil

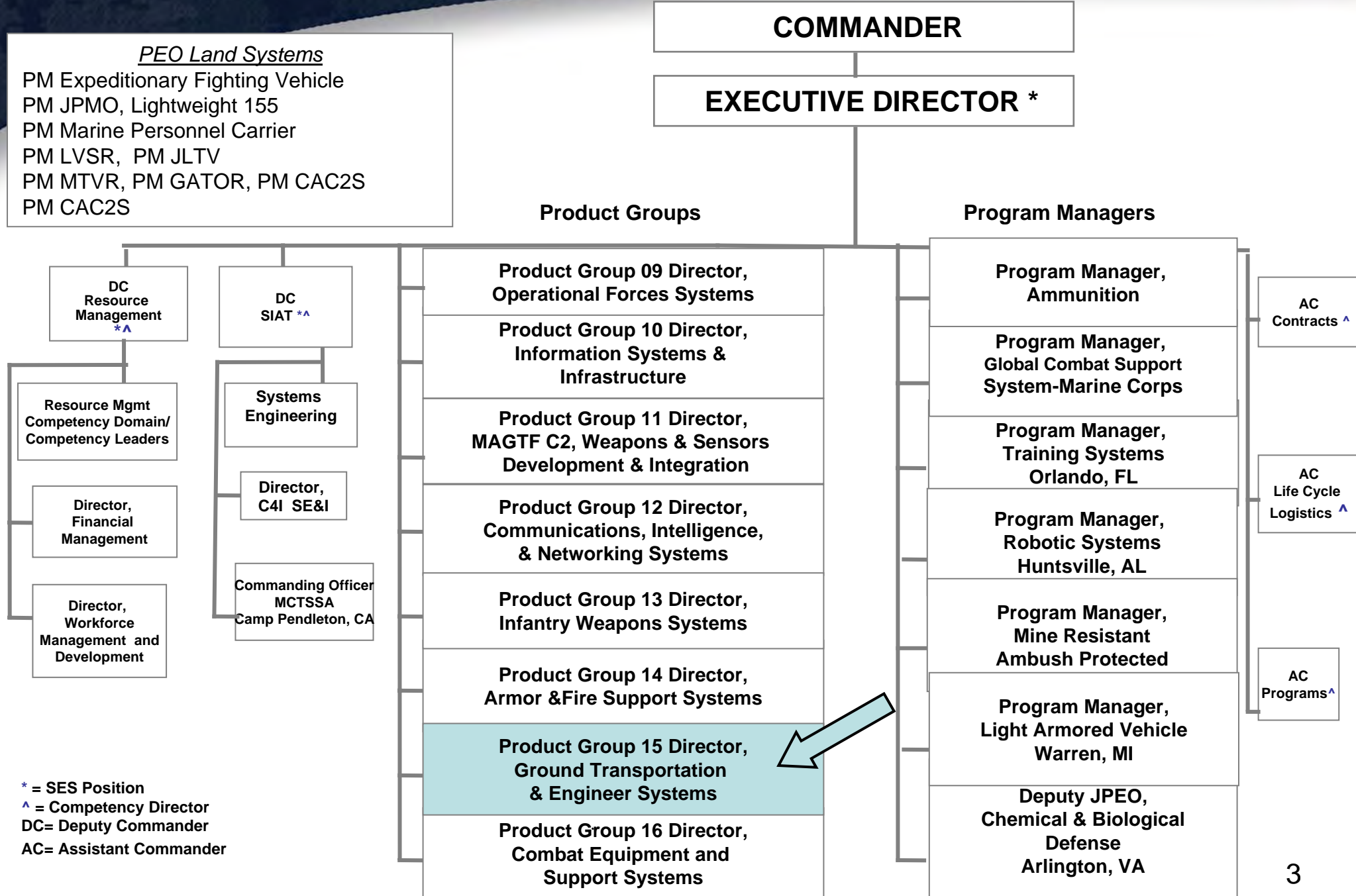




- GTES is the Marine Corps principle agent for system acquisition and total life cycle system management of
 - Ground Transportation (Light, Medium, & Heavy)
 - Combat Mobility (LAV, MRAP)
 - Engineer Systems
 - Expeditionary Power Systems
 - Containers
- Our Program teams have Total Life Cycle Management responsibility for their equipment
- Our external customer is the warfighter and other services
- Our internal customers are MCSC Program Managers who require power generation equipment or a ground transportation or combat mobility platform as part of their system



Where we are located!





Product Group Principals:

PM, Motor Transport: Thomas H. Miller

PM, Engineer Systems: William Macecevic

PM, Expeditionary Power Systems: Michael Gallagher

Competency Alignment Team

- Business Manager: Jack Cave
- Contracts Manager: Stephen Caracciolo
- Lead Financial Manager: Steven Costa
- Lead Engineer: Julie Redfern
- Lead Logistician: Natalie Boddy
- Lead Technologist: William Story



Ground Transportation Portfolio

PM Motor Transport

Light Fleet Tactical Vehicles and Trailers

- HMMWV
- HMMWV Armor
- Interim Fast Attack Vehicle
- Internally Transportable Vehicle
- Organic Trailers



Medium/Heavy Fleet Tactical Vehicles and Trailers

- MTRV Trailer
- 5 Ton Trucks & Trailers
- Flatrack Refueling Capability
- Logistics Vehicle System
- MHET/M870 Family
- P19 Fire Trucks
- M969/970 Refuelers
- P19 Replacement
- MK970 Refueler





Combat Mobility Portfolio

Program Manager, Light Armored Vehicle (LAV) and Marine Personnel Carrier (MPC)



**Light Armored
Vehicle**



**Marine Personnel
Carrier**



Combat Mobility Portfolio

MRAP Family of Vehicles

The Mine Resistant Ambush Protected (MRAP) family of vehicles provides the Operating Forces multiple mission-role platforms capable of mitigating Improvised Explosive Devices (IEDs), Underbody Mines and Small Arms Fire (SAF) threats which are currently the greatest casualty producers in the Global War on Terror (GWOT). MRAP vehicles will support the following missions:

Category I Urban Combat Operations

IDIQ Contracts awarded to nine manufacturers.

All Services Procuring

Concept of Operation:

Small unit combat operations in urban or confined areas - Mounted patrols, reconnaissance, communications, command and control, and direct interaction with civilian population.

Characteristics:

- 4x4
- 6 pax
- Curb Wt: 30,000 lbs
- Cbt Wt: 38,000 lbs
- Payload: 6,000 lbs

Category II Multi-mission Operations

IDIQ Contracts awarded to nine manufacturers.

Army includes Ambulance Variant

Concept of Operation:

Ground logistics support operations - Reconfigurable vehicle capable of convoy security, combat engineering, ambulance, troop & cargo transportation.

Characteristics:

- 4x4 and 6x6 variants
- 10 pax
- Curb Wt: 30,000/38,000 lbs (4x4/6x6)
- Cbt Wt: 38,000/52,000 lbs (4x4/6x6)
- Payload: 6,000/14,000 lbs (4x4/6x6)

Category III Mine/IED Missions

Buffalo procured under sole source contract to FPIL.

Navy and Marine Corps Only

Concept of Operation:

Explosive Ordnance Disposal - Route Clearing; detect and disarm or detonate IEDs, mines and other explosive devices.

Characteristics:

- 6x6
- 6+ pax
- Curb Wt: 45,000 lbs
- Cbt Wt: 80,000 lbs
- Payload: 38,000 lbs



Combat Mobility Portfolio



From

To





Combat Mobility Portfolio Currently Fielded Vehicles



MRAP CAT I

- Cougar 4X4 model
- Mine Resistant Utility Vehicle (MRUV)
- Urban Combat Operations
- 4x4
- 6 pax
- Curb Wt: 14,000 lbs
- Cmbt Wt: 16,000 lbs
- Payload: 10,000 lbs



MRAP CAT II

- Joint EOD Rapid Response Vehicle (JERRV)/Cougar
- Multi-mission (convoy escort, troop transport, ambulance, EOD, Cmbt Engr)
- 4x4 and 6x6 variants
- 10 pax
- Curb Wt: 30,000 lbs (4x4)
38,000 lbs (6x6)
- Cmbt Wt: 38,000 lbs (4x4)
52,000 lbs (6x6)
- Payload: 6,000 lbs (4x4)
14,000 lbs (6x6)



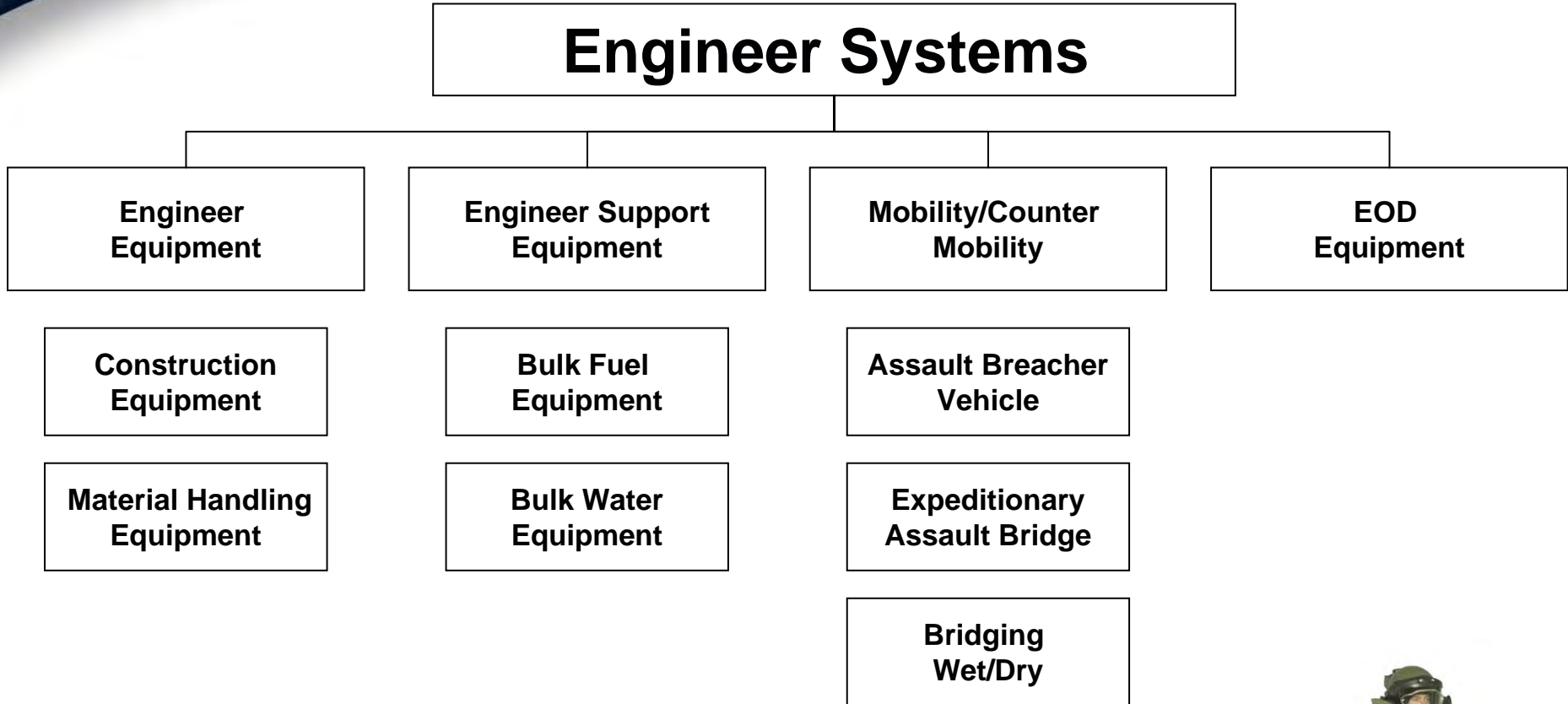
MRAP CAT III

- Buffalo
- Mine/IED Clearance Operations
- 6x6
- 12 pax
- Curb Wt: 45,000 lbs
- Cmbt Wt: 80,000 lbs
- Payload: 38,000 lbs



Engineer Systems Portfolio

Engineer Systems



Expeditionary Power Systems

Program Manager - Expeditionary Power Systems



Advanced Power Sources



Mobile Power Sources



Environmental Control Equipment



Centrally Managed Containers¹¹



	FY08	FY09	FY10	FY11	FY12	FY13
RDT&E	\$2.8M	\$1.3M	\$1.3M	\$0.6M	\$0.6M	\$0.7M
PMC	\$535.2M	\$64.9M	\$55.7M	\$62.0M	\$6.6M	\$7.4M
Motor Transportation Systems	HMMWV/MILMO/LVS					
	MTVR and Family of Tactical Trailers/FLATRACK/					
RDT&E	\$3.7M	\$ -	\$ -	\$ -	\$ -	\$ -
PMC	\$300.4M	\$104.2M	\$162.0M	\$117.4M	\$54.5M	\$56.0M
Engineer Systems	Family of Construction and Material Handling Equipment					
	Tactical Fuel and Water Delivery and Purification Systems					
	Mine Roller and EOD and Demolition Equipment					
RDT&E	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PMC	\$41.5M	\$28.3M	\$26.1M	\$23.7M	\$30.1M	\$30.0M
Expeditionary Power Systems	Advance Power Sources and Mobile Electric Power					
	Environmental Control Equipment and Family of Containers					



Solicitation to Industry

- Tactical wheeled vehicle solutions that are expeditionary, mobile, ensure force protection, improve survivability, and decrease reliance on fossil fuels **(NEEDED YESTERDAY)**
 - Includes improvements to fielded systems
- Power generation alternatives for a variety of customers and applications **(ON BOARD POWER NEEDED YESTERDAY)**
- Combat Engineer equipment that is aligned with the commercial market



- Next Speaker:

Mr. William P. Maceceivc
Program Manager, Engineer Systems

Ground Transportation and Engineer Systems

**Program Manager
Engineer Systems**

**Mr. William Macecevic
(703) 432-3598**

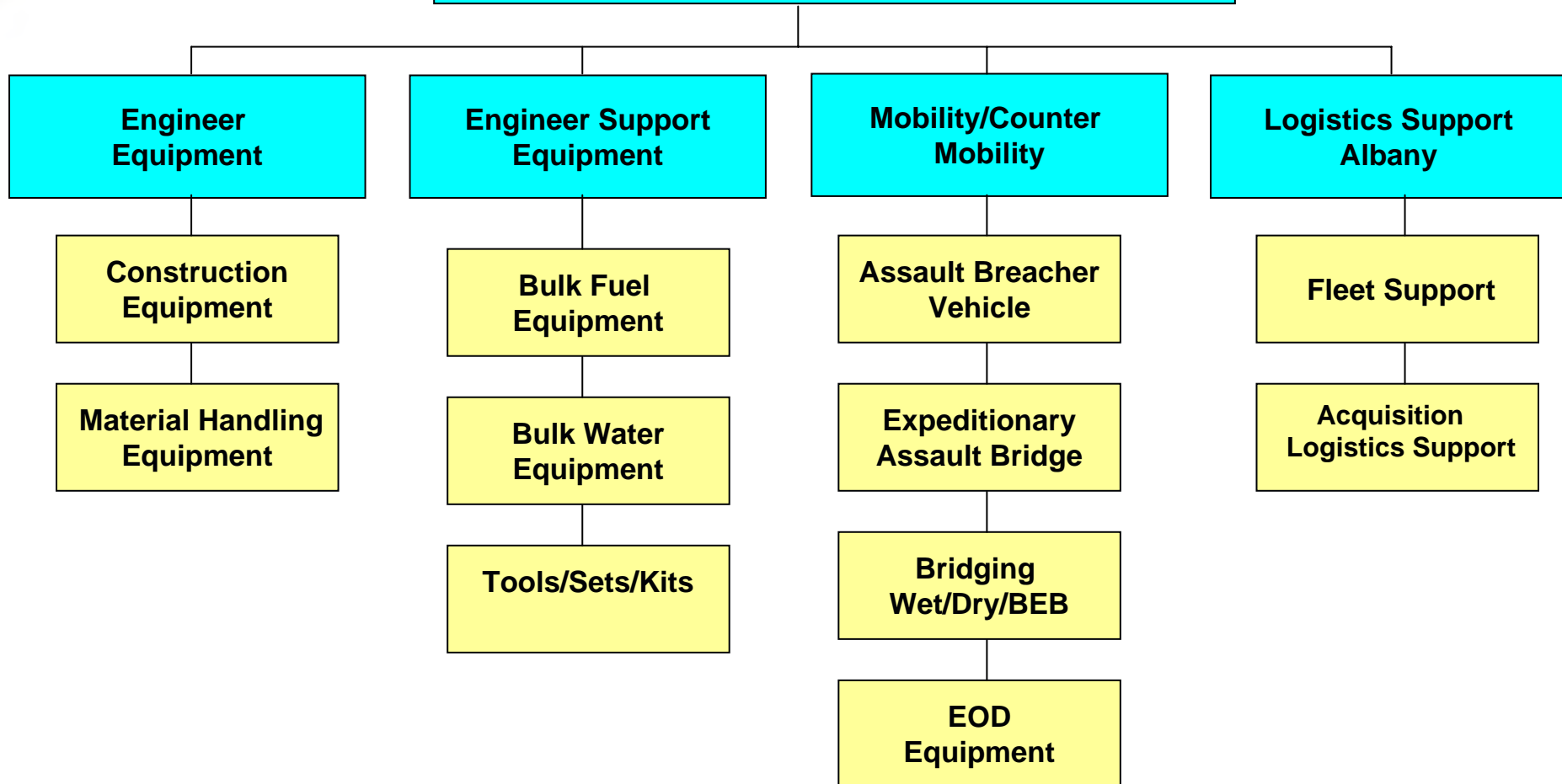
william.macecevic@usmc.mil





PM Engineer Systems Mr. William Macecevic

PM Engineer Systems





PM Engineer Systems Mr. William Macecevic

Near-Term Program Initiatives

- TACTICAL FUEL AND WATER LOGISTICS INTEGRATOR
 - Procure sustainment systems and components for centrally managed fuel and water systems
- SCRAPER
 - Construction Equipment Program
 - Anticipate joint with Army
- Water Packaging System
 - Requirement being defined
 - Anticipate requirement for interoperability with Tactical Water Purification System and Light Weight Water Purification System
- Mine Rollers
 - War loss replacements
- EOD Equipment
 - Recapitalize Family of EOD equipment (Bomb suits, SCBA, Explosive Detectors, Total Containment Vessel)



		FY08	FY09	FY10	FY11	FY12	FY13
MHE/CE	PMC	\$117.6M	\$57.4M	\$89.7M	\$67.5M	\$39.4M	\$40.9M
Engineer Support Equipment	PMC	\$70.2M	\$30.6M	\$51.5M	\$45.9M	\$11.0M	\$10.9M
Mine Counter Mine Systems	RDT&E PMC	\$0.7M \$112.6M	\$16.2M	\$20.8M	\$4.0M	\$4.1M	\$4.2M



PM Engineer Systems Mr. William Macecevic

Future Program Initiatives

- Recapitalization of Construction and material Handling Equipment
 - Equipment master plan outlines out year projected procurements
- Route Clearance Systems
 - Requirement being defined
 - Anticipate multiple systems/capabilities: Detection, Neutralization, Detonation
- EOD Modernization
 - Technology refresh
 - Maintaining the most current technology and capability
- Tactical Fuel and Water Component Upgrades



PM Engineer Systems Mr. William Macecevic

Welcome Product Information !



PM Engineer Systems Mr. William Macecevic

- Next speaker:

Mr. Michael Gallagher
Program Manager
Expeditionary Power Systems

Ground Transportation and Engineer Systems

**Program Manager
Expeditionary Power Systems**

**Michael Gallagher
(703) 432-3572
michael.a.gallagher@usmc.mil**





PM Expeditionary Power Systems Mr. Michael Gallagher

Portfolio

- **Advanced Power Sources**
 - *Radio Power Adaptors*
 - *Battery Management and Support Systems*
 - *On-Board Vehicle Power Systems*
 - *Family of General Purpose Power Supplies*
 - *Auxiliary Power Units*
 - *Renewable Energy Systems*
- **Mobile Electric Power**
 - *Tactical Power Generation (IAW DoD Joint Operating Procedures)*
 - *Mobile Electric Power Distribution*
 - *Integrated Power - Environmental Control - Trailer System (ITEG)*
 - *Floodlights*
- **Environmental Control**
 - *Environmental Control Equipment*
 - *Field Refrigeration Systems*
 - *Unique Power and Refrigeration Toolkits (operator level)*
- **Family of Centrally Managed Containers**



PM Expeditionary Power Systems Mr. Michael Gallagher

Near-Term Program Initiatives / Opportunities

- *Solar Portable Power Adaptors for Comm-Equipment*
- *Family of Container (Tri-Con / Quad-Con / PALCON)*
- *On-Board Vehicle Power (HMMWV class)*
- *Small Field Refrigeration System*
- *Integrated Trailer-ECU-Generator*
 - *HMWV towable*
 - *MTVR towable*
- *Vehicle Auxiliary Power Units (DACP funded)*
- *Radio Power Adaptors (Marine Enhancement Program)*
- *Marine Expeditionary Rifle Squad Power Integration (varied)*



PM Expeditionary Power Systems Mr. Michael Gallagher

Funding Plans

	FY08	FY09	FY10	FY11	FY12	FY13
Advanced Power Sources	\$17.2M	\$1.6M	\$1.7M	\$1.8M	\$3.7M	\$3.8M
Mobile Electric Power	\$7.8M	\$14.7M	\$15.1M	\$15.5M	\$15.1M	\$15.5M
Environmental Control Equipment	\$5.5M	\$5.1M	\$5.3M	\$5.3M	\$5.3M	\$5.4M
Family of Containers	\$8.5M	\$4.1M	\$3.8M	\$0.9M	\$6.5M	\$5.6M
Floodlight Replacement	\$1.2M	\$2.6M				
TOTAL	\$41.5M	\$28.3M	\$26.1M	\$23.7M	\$30.1M	\$30.0M



PM Expeditionary Power Systems Mr. Michael Gallagher

Future Program Initiatives

- *Family of Power Supplies (2012)*
- *Family of Battery Chargers (2011)*
- *Family of Radio Power Adaptors Reset (2011)*
- *Family of Power Supplies (2011)*
- *Family of Environmental Control Units (2013)*
- *Field Refrigeration Systems (2013)*
- *Mobile Electric Power Distribution (2013)*
- *Floodlight Set Rebuy (2013)*
- *Man-Portable Power Generation (ONR Transition)*



PM Expeditionary Power Systems Mr. Michael Gallagher

Discussion Topics

- *DOD Policy for use of Non-Standard Generators*
- *Naval Lithium Battery Safety Policy*
- *Market Research drives Acquisition Strategy*
- *Commonality with other Services*
- *Use of Federal Supply Schedules*
- *Commercial Item Procurement*
 - *Critical Performance Parameters*
 - *Value Added Features*
- *Small Business Set-Aside when applicable*
- *Source Selection*
 - *Best Value Award Determination*
 - *Production Representative Sample Verification*



PM Expeditionary Power Systems Mr. Michael Gallagher

- Next speaker:

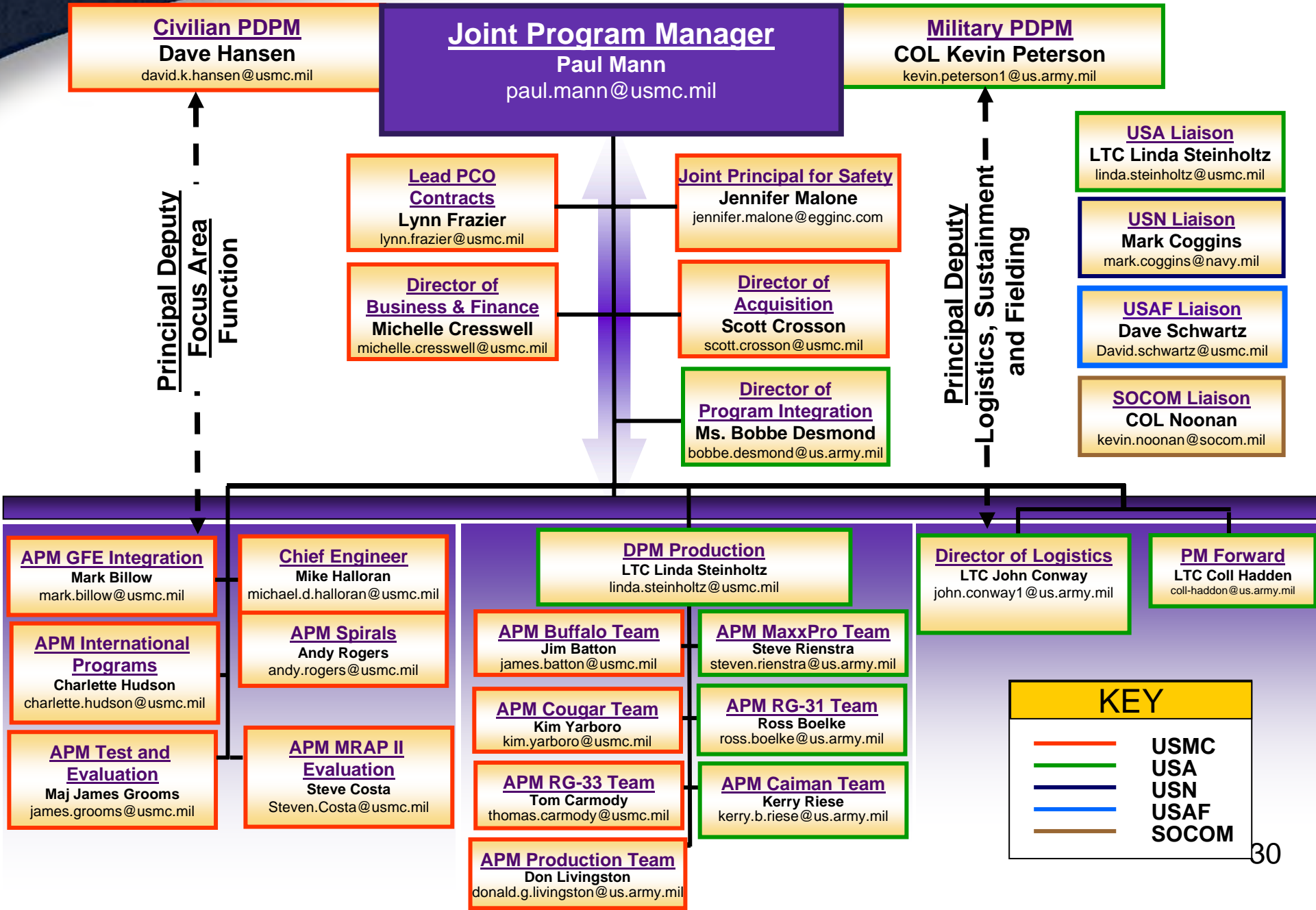
Mr. Paul Mann
Joint Program Manager
MRAP Systems

Joint Mine Resistant Ambush Protected Vehicle Program (JMVP)

**Joint Program Manager
MRAP**

**Mr. Paul Mann
(703) 432-3654
paul.mann@usmc.mil**





Principal Deputy
Focus Area
Function

Principal Deputy
Logistics, Sustainment
and Fielding

KEY

- USMC
- USA
- USN
- USAF
- SOCOM



PM MRAP Mr. Paul Mann

Near-Term Program Initiatives

- Production, Integration, Delivery
 - On a steep slope of production ramp-up. Tracking very close to plan.
 - Vehicles being produced at an amazing rate, ~1200 per month vs only 77 in Apr 07
 - Total JROC-approved Acquisition Objective = 14,204 – 19,655 vehicles
- Enhanced Performance: Significant improvements in survivability and automotive capabilities in process. Block upgrade strategy in development.
- Schedule: Continued emphasis on accelerating deliveries to the field across the total program.
 - Production Schedule: Increasing production capacity, constantly improving daily and weekly flow of deliveries to SPAWAR
- GFE Integration: Throughput number of vehicles per day pacing production.
 - Consistently achieving more than 30 per day.
- Sustainment: Expediting movement to hybrid organic-Contractor Logistics Support approach. Joint Logistics Integrator provides theater support.
- Resources: Aggressively expending resources to field and sustain as many MRAP vehicles as quickly as practical based on user requirements/feedback.



JMVP Funding Overview

As of 9 May 08

\$B	FY06/ Prior Funds	FY07 Bridge Supp	FY07 Supp	FY07 ATR	FY08 Amended Request	FY08 Cost Adj	FY09 Bridge Supp
USMC	\$0.043	\$1.031	\$1.303	\$0.119	\$2.784	\$0.020	\$0.436
USA	-	\$0.090	\$1.217	\$0.798	\$1.764	\$11.028	\$1.883
USN	\$0.130	\$0.060	\$0.137	\$0.107	\$0.316	-	\$0.109
USAF	-	-	\$0.139	\$0.031	\$0.758	-	\$0.106
SOCOM	-	-	\$0.259	\$0.110	\$0.160	-	\$0.076
TOTAL	\$0.173	\$1.181	\$3.055	\$1.165	\$5.783	\$11.047	\$2.610

\$22.4B Funded Thru FY08



Notes:

- RDT&E includes qty 100 Ballistic Test Articles
- RDT&E, Procurement, and O&M for Testing, Vehicles, GFE/integration, Spiral Devt/ECPs, Logistics Support and Transportation costs
- FY09/outyear requirements being refined



PM MRAP Mr. Paul Mann

Future Program Initiatives & Needs

- Complete MRAP Vehicle Production and Fielding
 - Gentle Ramp Down of production to complete Nov 08
- Accomplish MRAP Engineering Change Proposals in response to evolving user requirements
 - 50 Mine Resistant Ambush Protected Expedient Armor Program (MEAP) kits completed, enroute to theater
 - Fully integrated EFP protected capable vehicles in production
- Complete Integration of MRAP supply chain with DoD supply efforts
 - Transition to organic supply system
- Program Transition
 - Production to Sustainment
 - Lead-Service Transition Decision points driven by events not calendar
- Potential Program Needs – Business Opportunities
 - Specialized program, engineering and logistics support services
 - Weight, space, power management
 - Survivability and other performance improvement technologies



PM MRAP Mr. Paul Mann

- Next speaker:

Mr. Thomas Miller
Program Manager
Motor Transport

Ground Transportation & Engineering Systems (Product Group #15)/PEO Land Systems Program Manager, Motor Transport

Program Manager:

Thomas H. Miller

PH: 703-432-4436;

Thomas.H.Miller3@usmc.mil





PM Motor Transport Mr. Miller

- PM Motor Transport Portfolio:
 - Light Tactical Vehicles (GTES)
 - USMC HMMWVs and HMMWV Armor
 - Light Tactical Trailers
 - Military Motorcycles
 - Medium/Heavy Tactical Vehicles (GTES)
 - MTRV Trailer
 - Flatrack Refueling Capability (FRC)
 - Medium and Heavy Tactical Trailers
 - Support for Legacy Vehicles:
 - 5 Ton Trucks
 - Logistics Vehicle System Vehicles and Armor
 - PEO Land Systems Programs
 - Medium Tactical Vehicle Replacement (MTRV)
 - Logistics Vehicle System Replacement (LVS)





PM Motor Transport Mr. Miller

- Near term program initiatives –
GTES Programs
 - Flatrack Refueling Capability
 - Logistics Vehicle System Replacement (LVSR) compatible system, dispenses and de-fuels from USMC aircraft and provides refueling capability for the MLG and Division.
 - IOC: 4th Qtr FY09; FOC: 1st Qtr/FY12; AAO: 381
 - Supplier: TBD – conducting market research
 - MTRV Trailer
 - Replaces the current M105, M149, and M353 trailers; matches the MTRV's increased mobility without degrading its operational capabilities.
 - IOC: 1st Qtr/FY10; FOC: 4th Qtr/FY13; AAO: 6,615
 - Supplier: Choctaw Manufacturing, McCallister, OK



PM Motor Transport Mr. Miller

- Near term program initiatives - GTES
 - High Mobility Multi-Purpose Wheeled Vehicles (HMMWVs)
 - Continuing to procure HMMWVs through the Army TACOM
 - Assessing and incorporating safety and RAM upgrades (ex. Vehicle Emergency Egress windows, Fire Extinguisher Systems, Seat Belts, etc.)
 - Assessing armor upgrades with MCLB Albany Maintenance Center and Nevada Automotive Test Center (NATC)
 - Motor T Modifications
 - Funding line to develop and field modifications to improve the operation and safety of fielded Motor T systems (RAM, safety, cost and obsolescence, etc.) as a result of safety hazards, quality deficiency reports, and other initiatives.
 - Request industry's assistance in providing ideas for vehicle/trailer modifications in these areas



PM Motor Transport Mr. Miller

- Future initiatives - GTES

- **P-19 Replacement:**

- Potential new program to procure Aircraft Rescue and Firefighting vehicles to replace the aging A/S32P-19A fleet in support of expeditionary airfield operations and the supporting establishment. The ARFF vehicles will be equipped with fire suppression compounds and extinguishing agents, handheld extinguishers, and specialized rescue tools used by firefighters extinguishing aircraft or structural fires. Add-on armor capability is required. Addresses replacement vehicles for the tactical fleet plus bases & stations. P-19 vehicles (TAMCN D1064) were introduced into service in 1984 with a service life of 12 years.
 - Proposed AAO: 180



		FY08	FY09	FY10	FY11	FY12	FY13	
Light Fleet (GTES)	RDT&E	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	PMC	\$444.6M	\$30.3M	\$28.2M	\$4.8M	\$3.6M	\$4.3M	
	HMMWV/Military Motorcycles							
	Family of Tactical Trailers							
Medium/Heavy Fleet (GTES)	RDT&E	\$2.7M	\$1.3M	\$1.3M	\$0.6M	\$0.6M	\$0.6M	
	PMC	\$45.6M	\$50.9M	\$50.0M	\$57.2M	\$3.0M	\$3.0M	
	MTVR Trailer/Heavy Trailers							
	Logistics Vehicle System (LVS) Armor							
	Motor Transport Modifications							
*Note: Includes PB09 core funding and requested 08 supplemental; does not include POM-10 funding request.								



PM Motor Transport Mr. Miller

- Near term program initiatives – PEO, LS Programs
 - Medium Tactical Vehicle Replacement (MTVR)
 - Continuation of installing MTVR Armor Systems (MAS)
 - Continuation of MTVR new production for USMC and Navy “Grow the Force” and other requirements
 - Supplier: Oshkosh Corporation
 - Logistics Vehicle System Replacement (LVSR)
 - Full Rate Production Decision Review for Cargo variant (1QFY09)
 - Milestone C for Trailer and Wrecker variants (1QFY09)
 - Cargo IOC: 3rd Qtr/FY09; FOC: 2nd Qtr/FY13; AAO: 1699
 - Supplier: Oshkosh Corporation



PM Motor Transport Mr. Miller

- Future initiatives – PEO, LS

- LVSR:

- Product Improvements, such as an upgraded alternator
 - Potential acquisition of Army PLS trailers for tandem tow capability
 - Potential future armor improvements (better protection, reduced weight)

- MTRV

- Life cycle cost reduction initiatives, to improve reliability, maintainability, reduce corrosion, etc.
 - Continuing armor improvements (better protection, reduced weight)



		FY08	FY09	FY10	FY11	FY12	FY13
MTVR (USMC & Navy)	RDT&E	\$10.0M	\$ -	\$ -	\$ -	\$ -	\$ -
	PMC	\$256.6M	\$30.5M	\$37.9M	\$33.7M	\$45.6M	\$14.1M
		MTVR/MTVR Armor					
		MTVR Modifications					
LVSR	RDT&E	\$2.8M	\$3.4M	\$ -	\$ -	\$ -	\$ -
	PMC	\$28.9M	\$304.6M	\$277.6M	\$215.0M	\$4.8M	\$4.9M
		LVSR Cargo					
		LVSR Tractor					
	LVSR Wrecker						
<p>*Note: Includes PB09 core funding and requested 08 supplemental; does not include POM-10 funding request.</p>							



PM Motor Transport Mr. Tom Miller

- Next speaker:

LtCol Ben Garza
Program Manager
Joint Light Tactical Vehicle
(JLTV)



PEO Land Systems

Joint Light Tactical Vehicle (JLTV)



Program Manager: LtCol Ben Garza



Mission: Jointly develop, produce, field and sustain a safe, reliable, suitable and effective family of Joint Light Tactical Vehicles

Vision: JLTV – Providing our Joint Warfighter with the very best in light tactical vehicle payload, protection and performance



The Balanced Solution – JLTV Family of Vehicles and Trailers

PAYLOAD CATEGORY A

Payload: 3,500
 Performance: Exceed HMMWV
 Transport: 1x EAT* CH 47/53
 2x IAT** C130

Sub-Configurations

General Purpose Mobility
 (4 Seat) - Army/USMC

ONR & TARDEC Concept Examples



PAYLOAD CATEGORY B

Payload: 4000/ 4500 lbs
 Performance: Exceed HMMWV
 Transport: 1x EAT* CH 47/53
 1x IAT** C130

Sub-Configurations

Infantry Carrier, Fire Team (6 Seat)
 Army/USMC

Reconnaissance (6 Seat) - Army

C2OTM (4 Seat) - Army/USMC

Heavy Guns Carrier (MP, Patrol, Escort)
 (4 Seat+ Gunner) - Army/USMC

ITAS (TOW) Carrier (4 Seat)
 Army/USMC

Utility (2 Seat) - USMC

Ambulance (3 Seat+2 Litters)
 Army/USMC

ONR & TARDEC Concept Examples



PAYLOAD CATEGORY C

Payload: 5,100 lbs
 Performance: Exceed HMMWV
 Transport: 1x EAT* CH 47/53
 1x IAT** C130

Sub-Configurations

Shelter Carrier / Utility /Prime Mover
 (2 Seat) - Army/USMC

Ambulance (3 Seat+4 Litters)
 Army/USMC

ONR & TARDEC Concept Examples



* EAT: External Air Transport
 ** IAT: Internal Air Transport

Program focus during Technology Development Phase is on these key configurations build key vehicles, 1 A, 2 B, 1 C

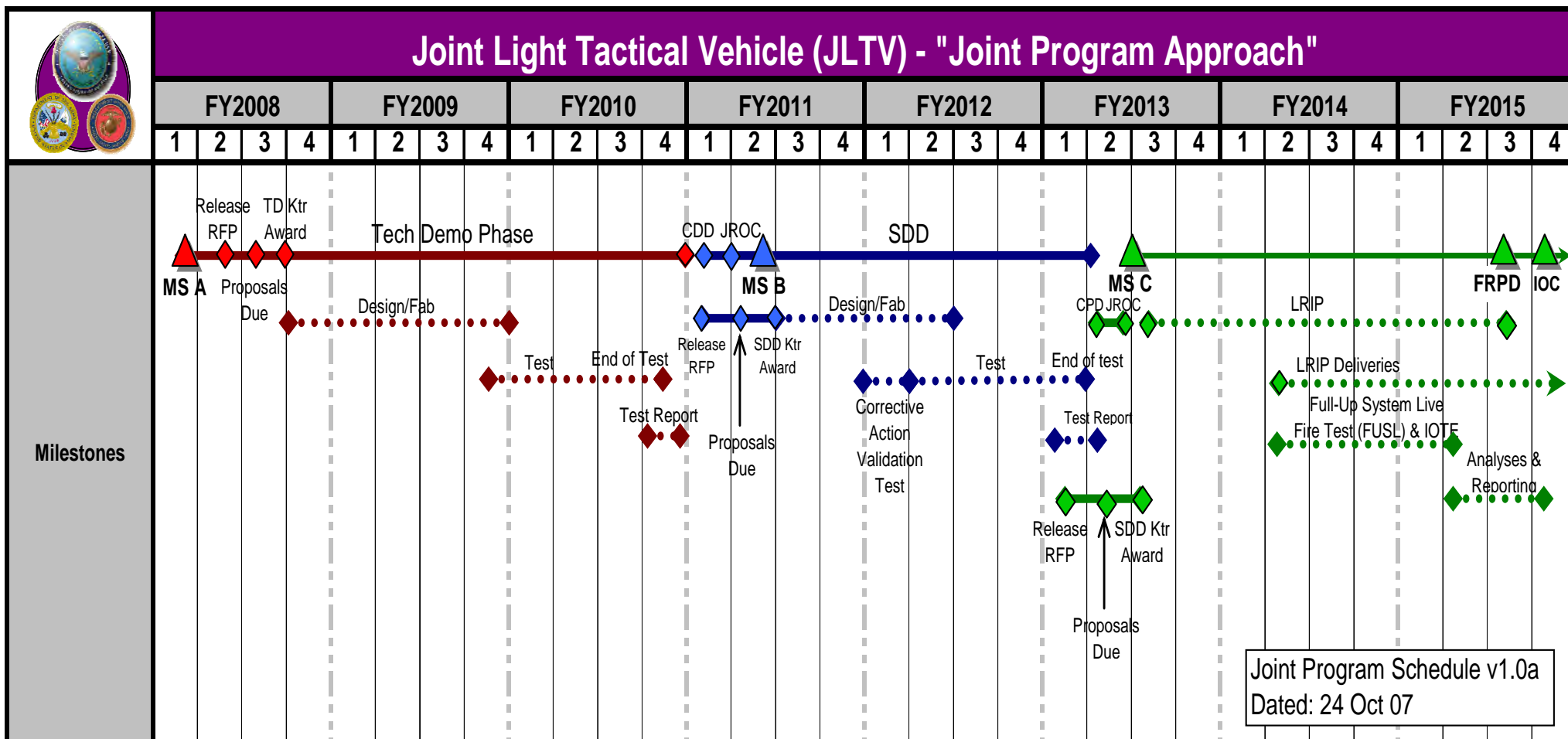


Trailers for each payload category to have equivalent payload and mobility to support prime movers.





JLTV Program Schedule (PB09)





JLTV FYDP Investments

	FY08	FY09	FY10	FY11	FY12	FY13
RDT&E	\$41.7M	\$44.0M	\$56.6M	\$74.6M	\$74.9M	\$75.7M
PMC					\$25.0M	\$106.3M
Technology Development Phase				System Design & Development		

PEO LAND SYSTEMS MARINE CORPS

IT'S ALL ABOUT THE WARFIGHTER



Questions?





PM Joint Light Tactical Vehicle LtCol Ben Garza

- Next speaker:

Col Mike Micucci
Program Manager
Light Armored Vehicle (LAV)
and
Marine Personnel Carrier (MPC)

Program Manager Light Armored Vehicles Overview



Colonel Mike Micucci, USMC





- PM LAV Mission - **Research, development, acquisition and life cycle support** for USMC Light Armored Vehicle family of vehicles.
- Our Location – MARCORSYSCOM program office supported by **TACOM** in **Warren, Michigan**



- LAV – in the **Light Armored Reconnaissance Battalion**.
 - Conduct reconnaissance, security, and economy-of-force operations, limited offensive or delaying operations that exploit the unit's mobility and firepower.
 - Eight-wheeled armored combat vehicle with a **25-year history** to remain in service until to **2025** and possibly beyond.



- MPC – will reside in the **Amphibious Assault Battalion**.
 - Provide armor-protected mobility for infantry battalion maneuver task forces. 2 MPCs will lift a reinforced rifle squad.
 - The MPC program balances vehicle performance, protection, and payload attributes.



EQUIPPING THE WARFIGHTER TO WIN

Where we are located!

PEO Land Systems

PM Expeditionary Fighting Vehicle
PM JPMO, Lightweight 155

PM Light Armored Vehicles MPC

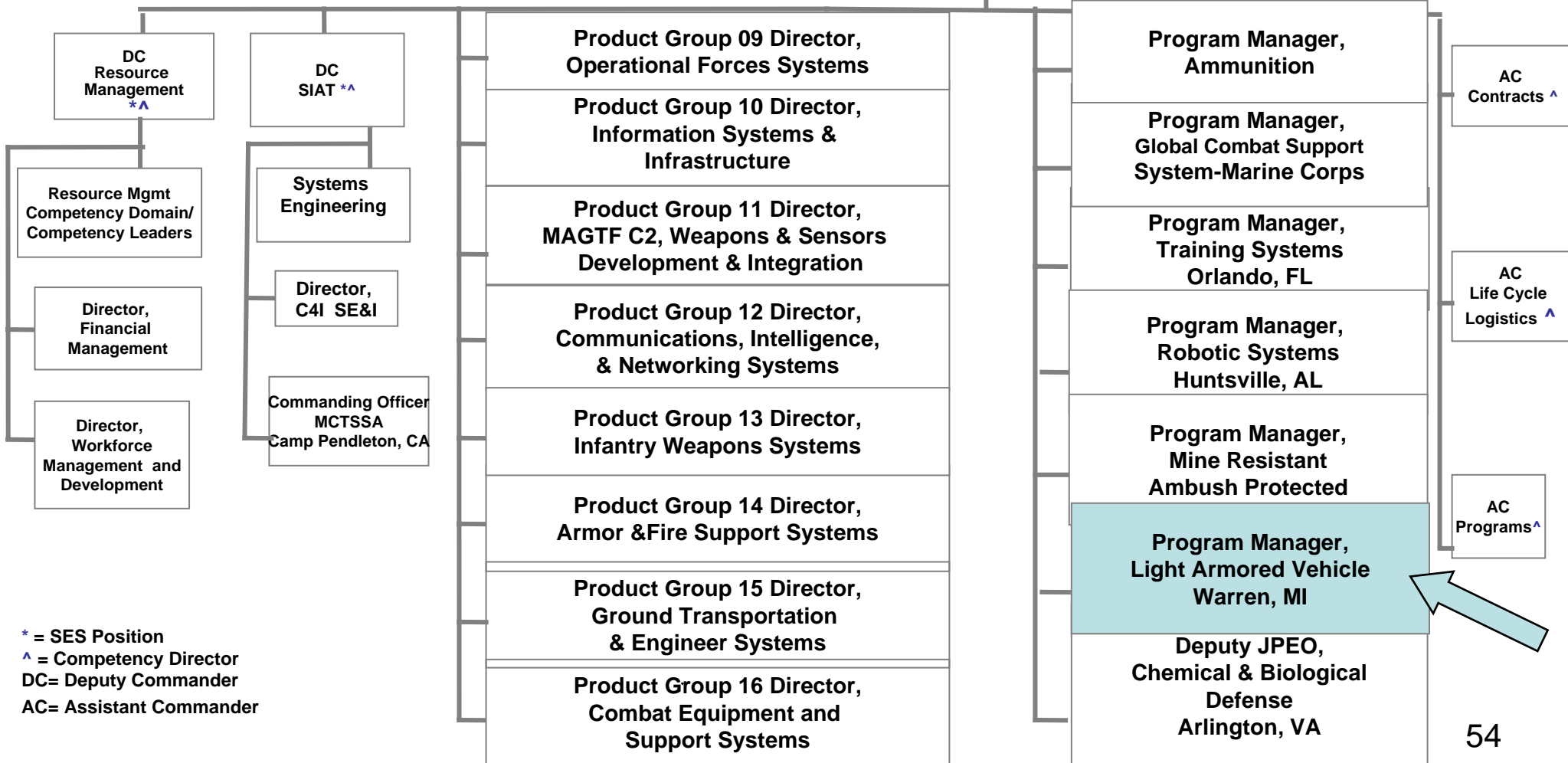
PM LVSR, PM JLTV
PM MTRV, PM GATOR, PM CAC2S
PM CAC2S

COMMANDER

EXECUTIVE DIRECTOR *

Product Groups

Program Managers



* = SES Position
^ = Competency Director
DC= Deputy Commander
AC= Assistant Commander



PM LAV Principals:

PM: *Colonel Mike Micucci, USMC*

Deputy PM: *Dr. Bob Lusardi*

➤ A2 Upgrade Program: *Jim Streberger*

➤ ITSS and Survivability Part II: *Linda Passeri*

➤ C2 Upgrade: *Derald Schnepf*

➤ RAM Team: *John Engbloom*

➤ SANG Program: *Joe Wagner*

➤ MPC: *Bill Ross*

Business/ Financial Manager: *Jan Boatman*

Contracts Manager: *Bill Abramson*

Lead Engineer: *Matt Koneda*

Lead Logistician: *Josephine Polanco*



	FY08	FY09	FY10	FY11	FY12	FY13
RDT&E PMC	\$15.0M \$120.4M	\$11.4M \$65.7M	\$7.6M \$35.7M	\$29.7M \$29.2M	\$87.5M \$5.8M	\$91.3M \$6.0M
LAV Systems	C2 UPGRADE, MARINE PERSONNEL CARRIER, LAV MODIFICATIONS					
	REPROCUREMENT FIELDING, RAPID ACQUISITION MODIFICATIONS					
	SURVIVABILITY UPGRADES II					



- Funded Programs
 - LAV SLEP/ Improved Thermal Sight System (ITSS)- **Fielding.**
 - LAV-C2 Upgrade- **Moving towards Milestone-C.**
 - LAV-25 Lethality Upgrade- **Working.**
 - OIF Upgrades, A2 Upgrade, LAV Re-Procurement- **Fielding.**

- **Future LAV Programs (FY08-FY09)**
 - Marine Personnel Carrier (MPC)
 - LAV Survivability Upgrades - Part II
 - LAV RAM Modifications, upgrades, and Rapid Acquisitions



GDLS-LAV III H



Germany BOXER



MOWAG PIRAHNA



LOCKHEED-PATRIA

Potential Candidates

- Socializing Joint Status with US Army
- Full and Open Competition
- Acquisition Objective: ~600 vehicles
- Family of Vehicles (FOV): includes P, C, R
- Initial Capabilities Document (ICD) validated & approved by MROC
- Analysis of Alternatives (AoA) completed.
- Capabilities Development Document (CDD) under development
- **Milestone A in FY10**
- Currently working Pre-Milestone A activities with Office of Naval Research (ONR)



Singapore TEREX



France - VBCI



- Currently working with ONR to mature technologies that need to be integrated on the MPC
 - Advance Lightweight Armor Materials/ Technologies
 - Advanced Seat Technology for blast resistance, shock mitigation and roll-over protection
 - Active Protection System
 - On-Board Vehicle Power for exportable power
 - Fuel Efficiency & Battlefield Power
 - Advanced Suspension
 - TBD





- Incorporate Floor Spall Liner
- Protection or Relocation of Fuel Tank
- Incorporate Mine Blast Resistant Seating where possible
 - LAV-25
 - VC and Gunner
 - Scouts
 - Mission Role Vehicles
 - VC and staff locations
 - Driver cannot be suspended but will need a reinforced seat and leg protection





“\$5-8 Million dollars per year are provided to PM LAV for the Modifications, Obsolescence Management, Low Cost Upgrades and Rapid Acquisitions in support of the LAV fleet.”



ALL PROJECTS COME OUT THROUGH:

Federal Business Opportunities

www.FedBizOpps.gov



- USMC LAV projected to remain ***in service until 2025***
- LAV family of vehicles must remain
 - ***Effective*** in the face of increasing threat capabilities
 - ***Supportable*** in the face of increasing age (Obsolescence is a growing issue)
- The challenge: ***How much survivability, lethality and mobility can be packed into an air-transportable, swim-capable LAV?***

- **Near Future:**
 - Marine Personnel Carrier (MPC)
 - LAV Survivability Upgrades
 - LAV RAM projects



DRAFT

Marine Corps Systems Command

Advanced Planning Briefing to Industry

14 May 2008

Major General Duane Thiessen
Deputy Commandant, Programs and Resources



Overview

DRAFT

- Fiscal Context
- USMC RDT&E
 - PB09/FY09
 - Green \$
 - Blue In Support Of Green (BISOG) \$
- Questions

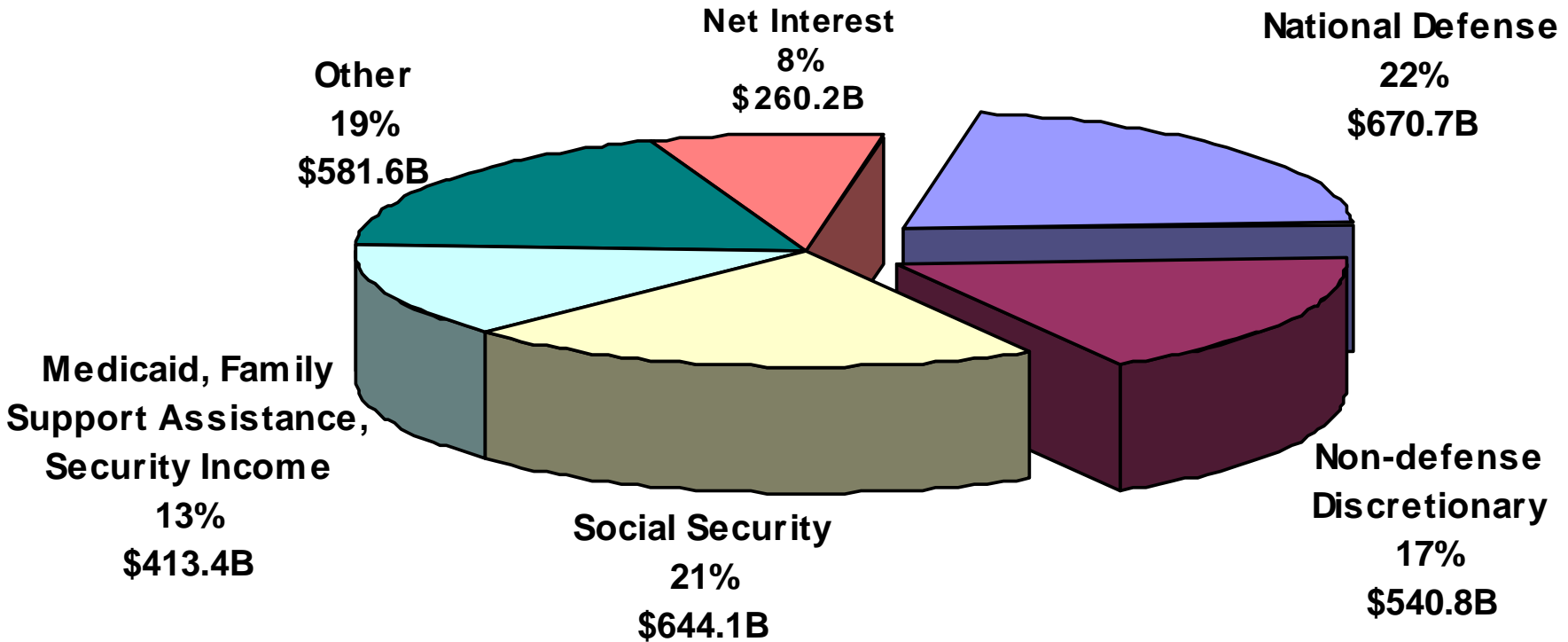


PB09 Discretionary vs. Mandatory

DRAFT

Mandatory Spending
61%

Discretionary Spending
39%



Total PB09 Outlays \$3,100B

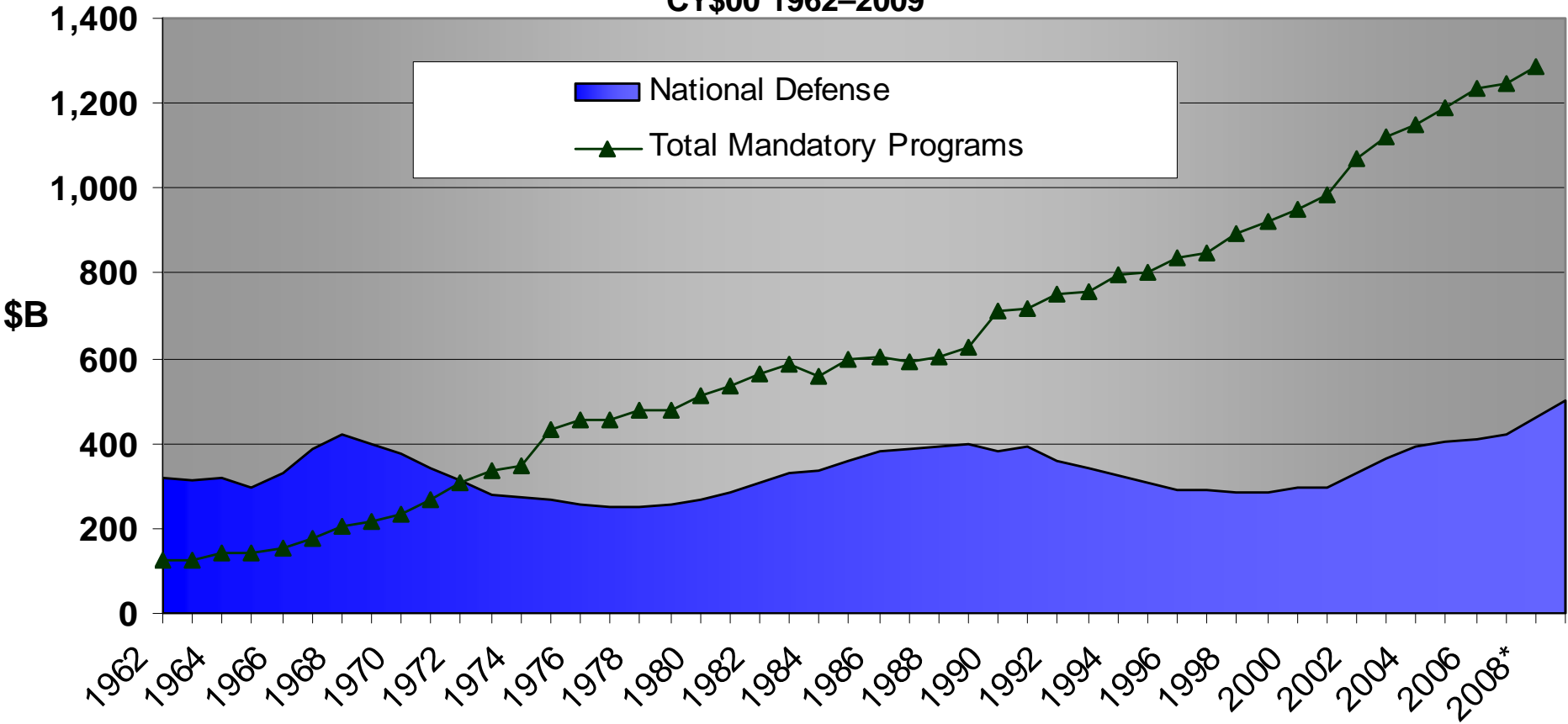
Data Source: OMB FY09 Budget Tables
Data Includes Supplementals



Discretionary vs. Mandatory Spending

FEDERAL OUTLAYS

CY\$00 1962-2009



*Estimate

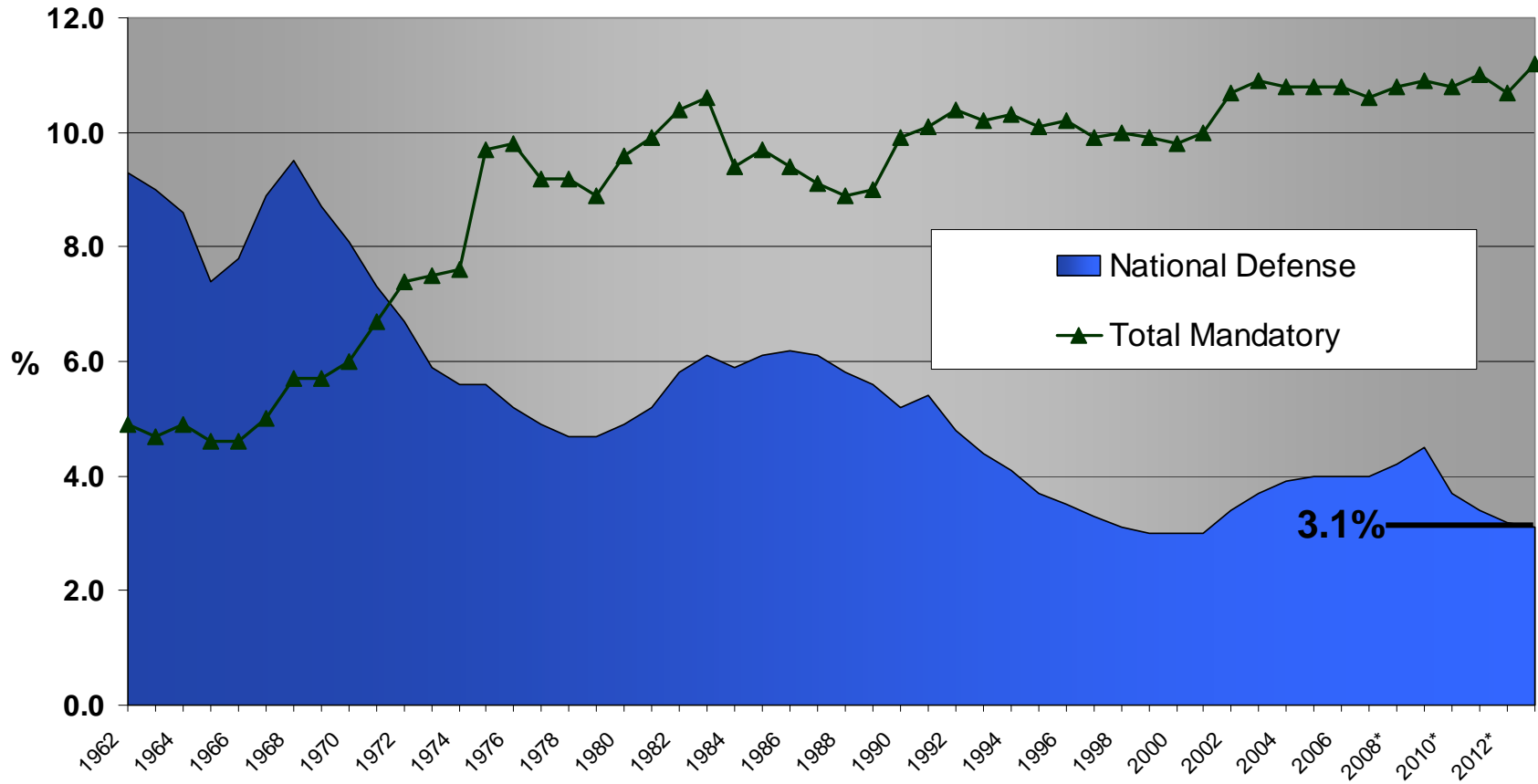
Data Source: OMB FY09 Budget Tables

Data Includes Supplementals



Outlays Percent of GDP

DRAFT



*Estimate

Data Source: OMB FY09 Budget Tables
Data Includes Supplementals

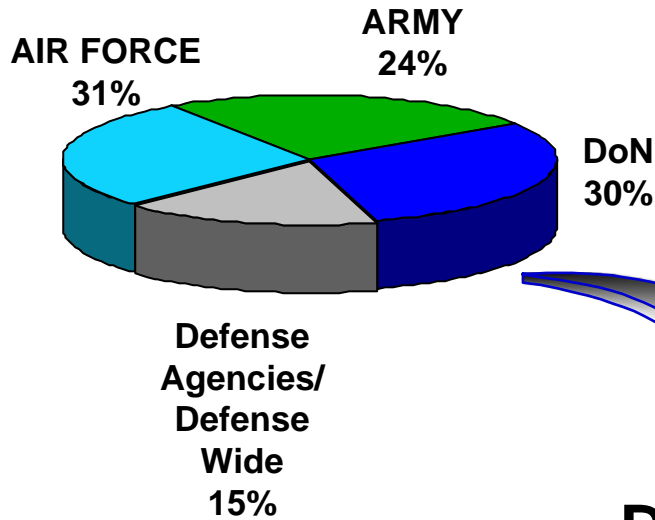


Cost of the Corps

(USMC Calculation – PB09/FY09)

DRAFT

DoD (\$670.7)

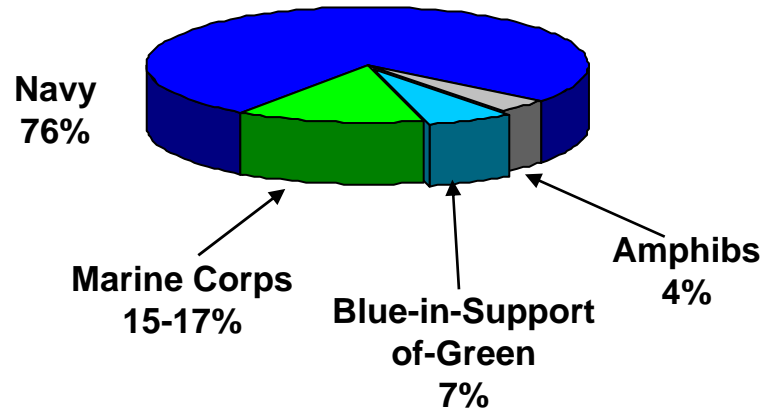


6.4%

\$42.8B

(USMC TOA +
BISOG / DoD TOA)

DoN (~\$200B)

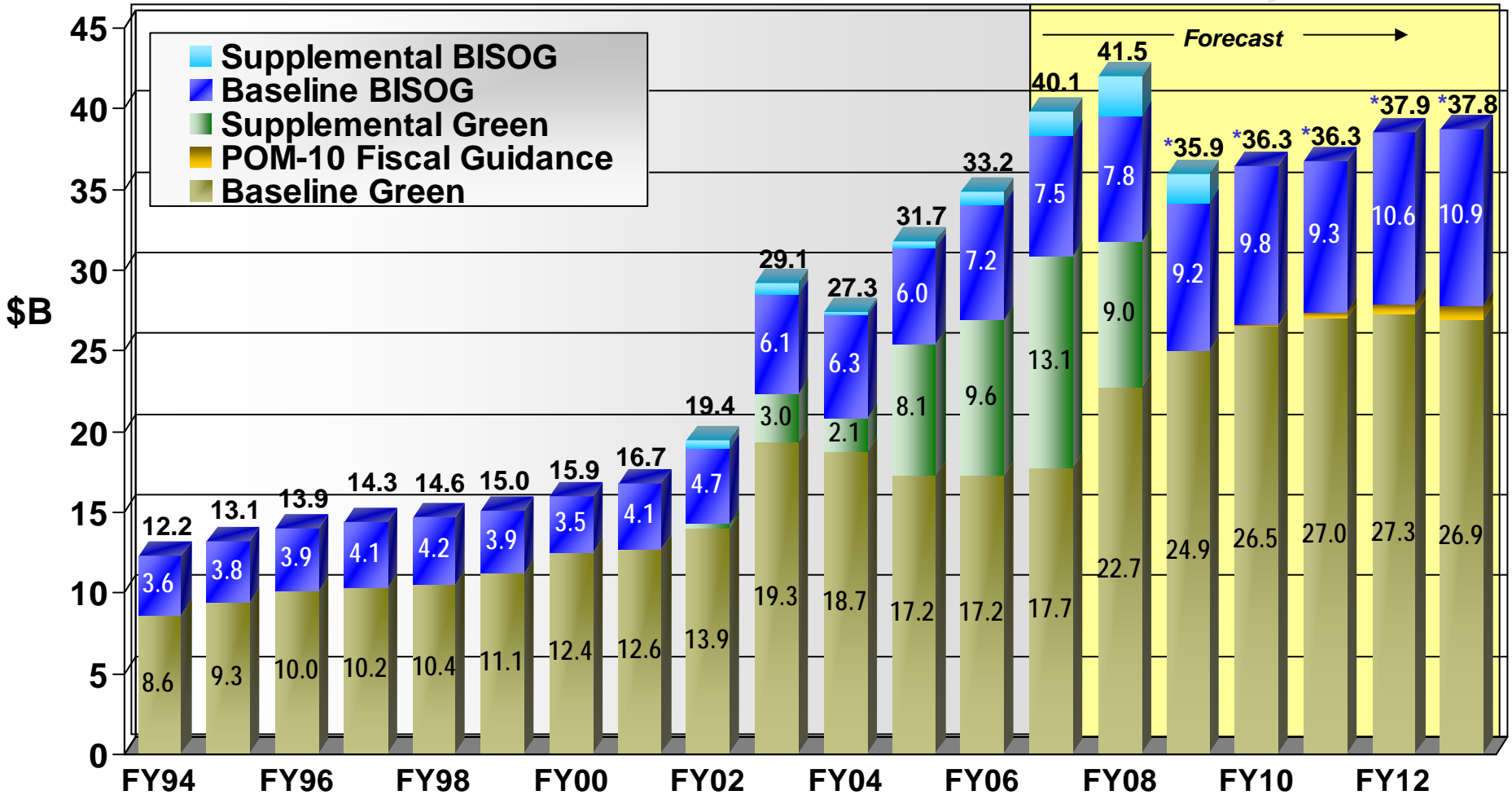


Data Includes Supplementals



PB-09 Resource Overview

DRAFT



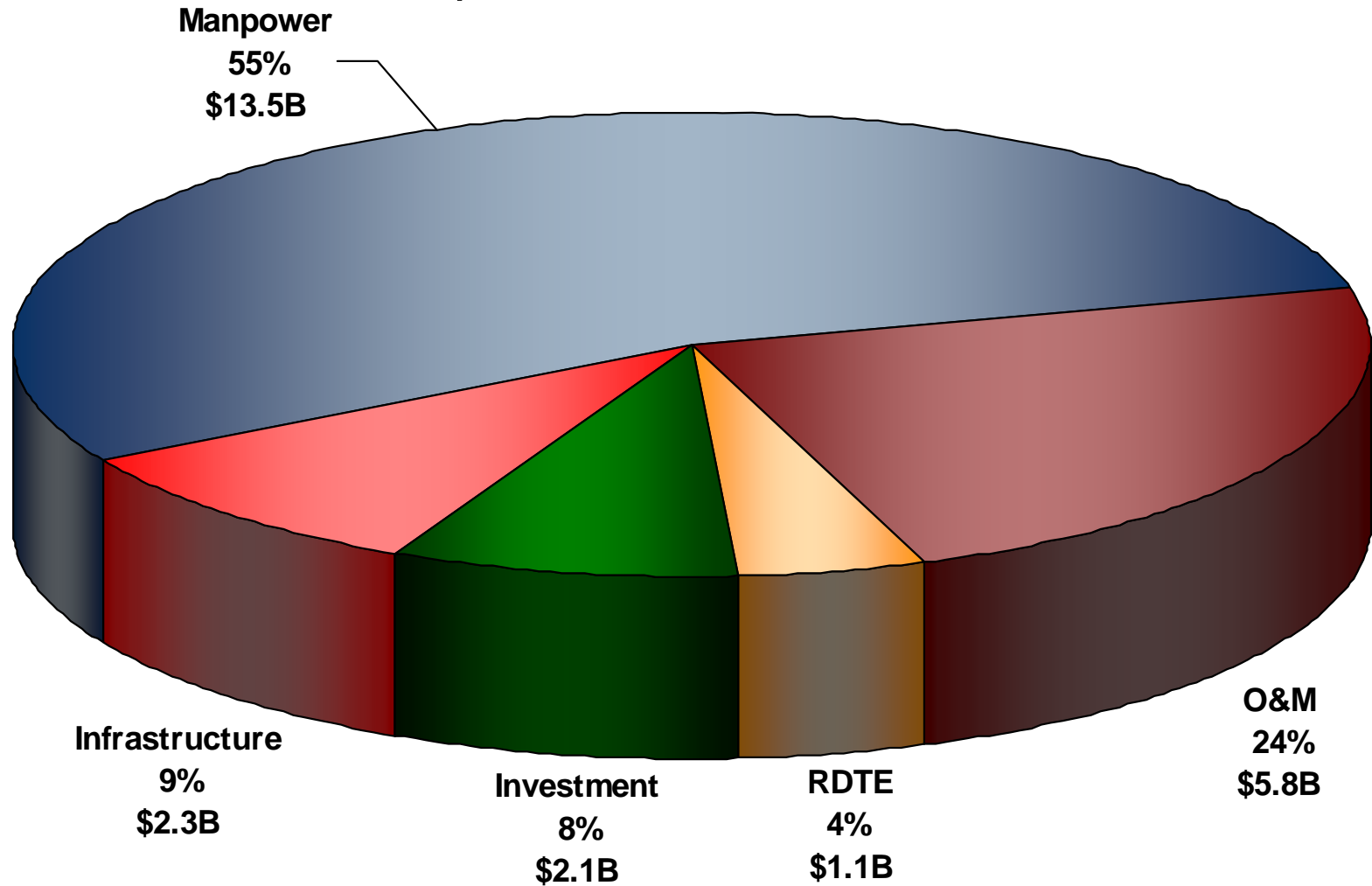
*Note: FY10-15 Totals don't include Fiscal Guidance to date



PB-09 Baseline Program Balance

DRAFT

TOTAL FY09: \$24.9B

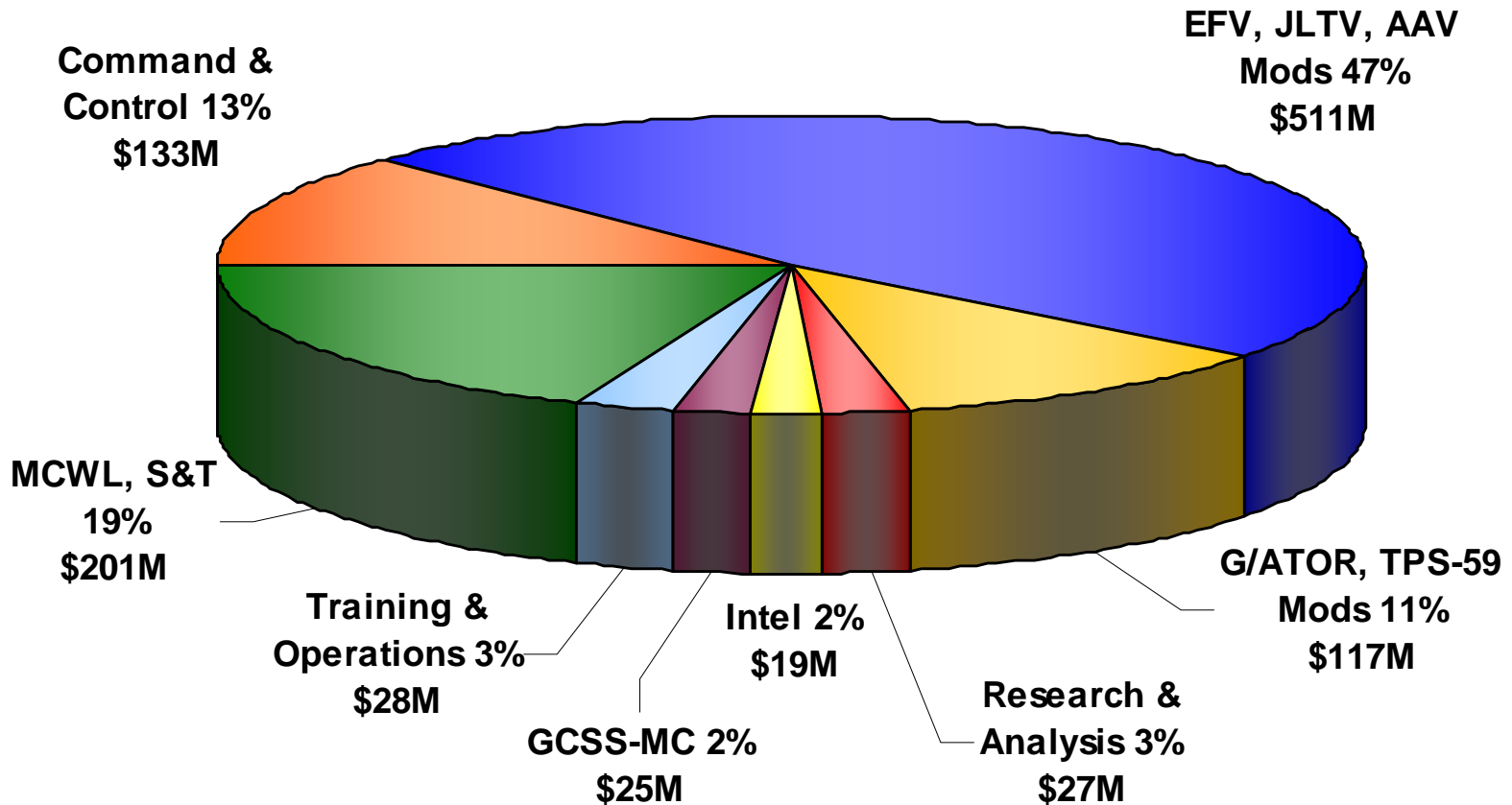




PB-09 Green \$ TOA

DRAFT

TOTAL FY09 RDTE: \$1.06B

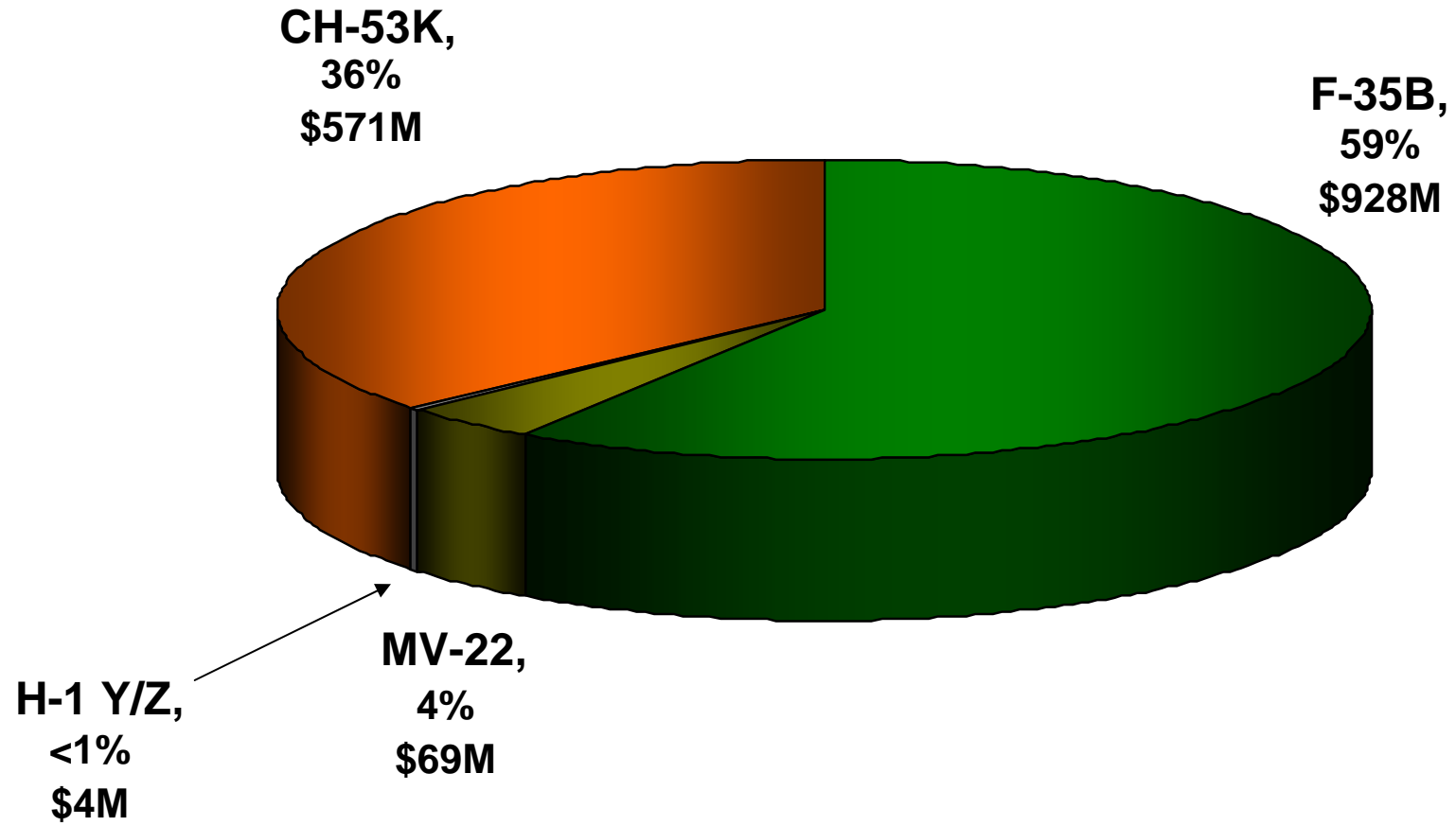




PB-09 BISOG TOA

DRAFT

Total FY09 RDTE: \$1.6B





Future RDT&E spending

DRAFT

- Green \$
 - Wheeled Tactical Mobility
 - Expeditionary Fighting Vehicle
 - Joint Light Tactical Vehicle
 - Marine Personnel Carrier
 - C2 & Tactical Networks
 - Joint Tactical Radio System (JTRS)
 - Ground/Air Task Oriented RADAR (G/ATOR)
 - ISR
 - Unmanned Aerial Systems (UAS)
 - Wide Field of View Persistent Surveillance (WFVPS)
 - Ground – Based Observation Surveillance System (G-BOSS)
 - Lighten The Load
 - Marine Enhancement Program
 - Cooling Vest, Light Weight Helmet, 3 Seasons sleeping bag, Muzzle covers)
 - Marine Expeditionary Rifle Squad



Future RDT&E spending

DRAFT

- Blue \$

- Aircraft Development

- JSF (Joint Strike Fighter)
- CH-53K

- Follow-On Test & Evaluation

- MV-22
- H-1

- Capability Development

- Aircraft Survivability (IRCM, brownout solutions)
- Ordnance
 - Joint Air-Ground Missile (Hellfire/TOW/Maverick replacement)
 - Advanced Precision Kill Weapon System (2.75" Laser Guided Rocket)
- Unmanned Aerial Systems
- Digital CAS Interoperability (F/A-18, AV-8B, AH-1W)
- Net Ready Interoperability (MV-22, JSF)



Pressures on TOA

DRAFT

- Internal
 - CMC 'Redlines'
 - Manpower Bills
 - End strength increase
- External
 - OSD Offsets
 - DoN Offsets



Conclusions

DRAFT

- Manpower, and external budget pressures continue to increase
- Cannot depend on USMC receiving a significant increase in investment dollars in the future
- Investment accounts pay the offsets, not other services, not supplementals



DRAFT

QUESTIONS?

Armor and Fire Support Systems Product Group 14 Overview

**Robert L. Williams Jr.,
Product Group Director**





Our Product Groups Portfolio consists of the following:

PM FSS

- Joint Enhanced Targeting System
- Common Laser Rangefinder (CLRF)
- Ground Counter Fire Sensor (GCFS)
- Ground Laser Target Designator (GLTD)
- M198 Howitzer
- Howitzer Information Tool
- Improved Position/Azimuth Determining System
- Mortar Ballistic Computer
- Meteorological Station Group, Profiler
- Modular Artillery Charge System
- Multi Option Fuze Artillery
- Portable Inductive Artillery Fuze Setter

PM EFSS

- Expeditionary Fire Support System
- Internally Transportable Vehicle
- High Mobility Artillery Rocket System
- Guided Multiple Launch Rocket System
Rockets

PM AAVS

- RAM/RS Program
- AAV Modification Kits
- AAV C7 Upgrades

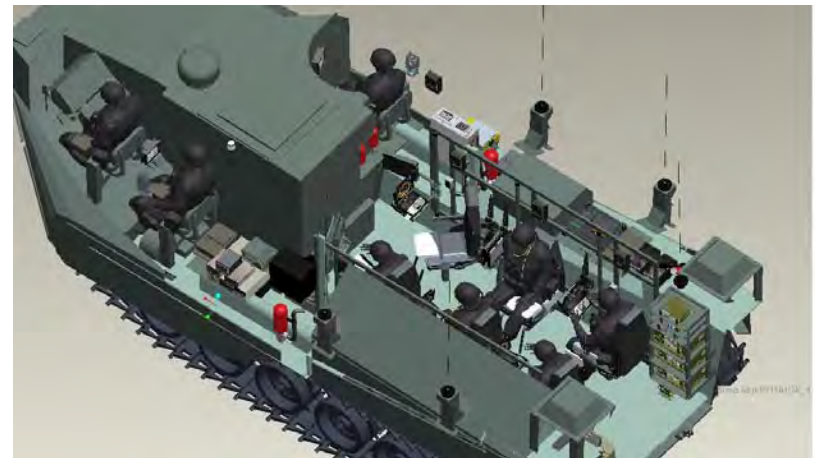
PM TANKS

- M1A1 Firepower Enhancement Program
- M1A1 Safety Modification Program
- M88A2 Hercules Tank Recovery Vehicle
- Armored Vehicle Driver Vision Enhancement
- Marine Corps Transparent Armor Gun Shield



We are soliciting help from Industry in order to:

- **Keep systems current and capable**
- **Insert technology into our products**





EQUIPPING THE WARFIGHTER TO WIN

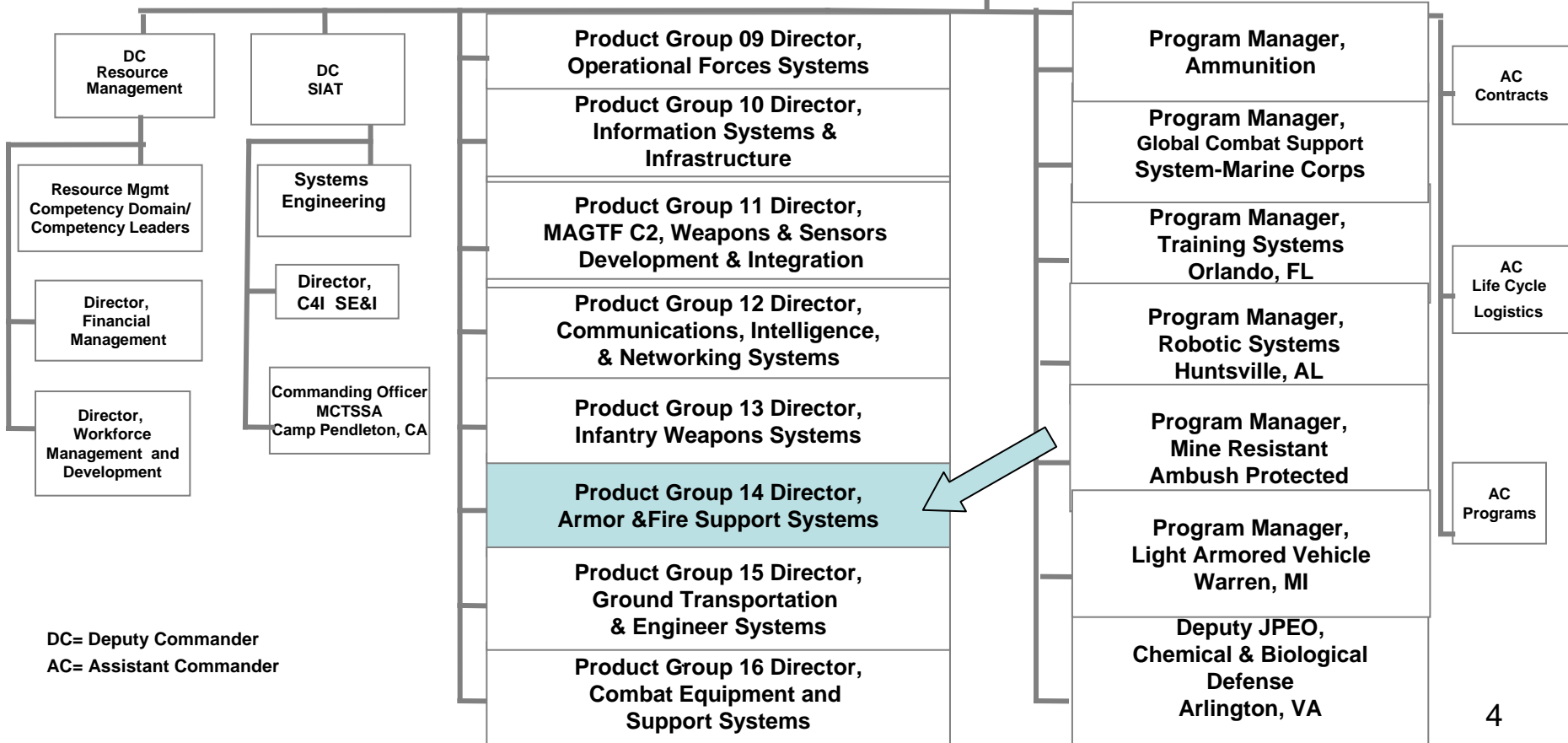
PEO Land Systems

- PM Expeditionary Fighting Vehicle
- PM JPMO, Lightweight 155
- PM Marine Personnel Carrier
- PM LVSR, PM JLTV
- PM MTRV, PM GATOR, PM CAC2S
- PM CAC2S

**COMMANDER
EXECUTIVE DIRECTOR**

Product Groups

Program Managers



DC= Deputy Commander
AC= Assistant Commander



Product Group Principals:

PM Fire Support Systems, *Mr. James Ripley*

PM Tank Systems, *LtCol Wendell Leimbach*

PM Assault Amphibious Vehicles, *Mr. Bryan Prosser*

PM Evolutionary Firing Systems, *Mr. John Garner*

Competency Alignment Team

- **Business Manager: *Vacant***
- **Contracts Manager: *Mr. Edwin Wright***
- **Lead Financial Manager: *Mr. Jeffrey Speer***
- **Lead Engineer: *Mr. Craig Melton***
- **Lead Logistician: *Mr. Jeffrey Gibbs***



	FY08	FY09	FY10	FY11	FY12	FY13
RDT&E	\$13.1M	\$55.5M	\$10.0M	\$07.9M	\$11.4M	\$11.4M
PMC	\$189.9M	\$173.5M	\$204.2M	\$88.7M	\$70.5M	\$28.2M

PG-14



Areas of Interest:

- ✓ Lighter and “Better” Combat Vehicle Armor
- ✓ More accurate and lighter target location and designation
- ✓ Power Generation
- ✓ Survivability
- ✓ Mobility Enhancements
- ✓ Ammunition Enhancements (EFSS and HIMARS)
- ✓ Alternative meteorological sensing and prediction tools
- ✓ Obsolescence (parts, equipment)



- **Next speaker.....**

**Mr. Bryan Prosser, Program Manager,
Assault Amphibious Vehicle Systems**

**Armor and Fire Support Systems
Product Group 14
Assault Amphibious Vehicle Systems**

Mr. Bryan Prosser, Program Manager





PM Assault Amphibious Vehicle Systems Mr. Prosser

Mission:

- Lifecycle management of the AAV FOV
- Support and maintain safe, reliable and combat effective AAVs
- Develop, procure and field modifications to maintain combat readiness and effectiveness





PM Assault Amphibious Vehicle Systems Mr. Prosser

- **Three Variants in the AAV FOV**
 - AAVP7A1 – Personnel
 - AAVC7A1 – Command
 - AAVR7A1 – Recovery
- **Mission: To maneuver the surface assault elements of the landing force and their equipment from assault shipping during amphibious operations to inland objectives and to conduct mechanized operations and related combat support in subsequent operations ashore**
- **History**
 - 1972 – 1975 LVT Fielded
 - 1983 – 1987 Service Life Extended Program and re-designated AAV7A1
 - 1999 – 2007 RAM/RS Upgrade
- **Remain in the USMC inventory until fully replaced by EFV in 2025**

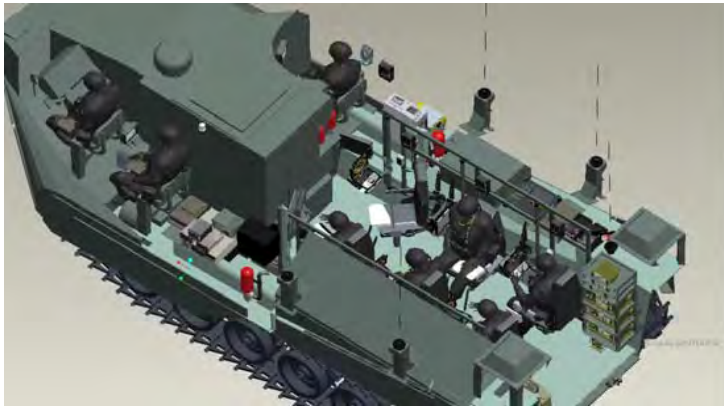


PM Assault Amphibious Vehicle Systems Mr. Prosser

Near – Term Program Initiatives

AAVC7 C2 Upgrade

- Replacing obsolete communications equipment and providing HF, VHF and UHF space LOS and UHF SATCOM capability
- Providing 6 functionally interchangeable staff work stations capable of hosting current MAGTF C2 applications



Thermal Sight System

- Fielding Started February 2008
- Fielding Complete December 2008 (except MPF)



AAV Mod Kits

- Develop and field modifications required to address issues related to safety, reliability, parts obsolescence and emerging requirements





PM Assault Amphibious Vehicle Systems Mr. Prosser

Future Program Initiatives

Survivability, C4I and Environment/Habitability (SCE) Upgrade

- **Survivability**

- Improved Armor System
- Spall Liner
- Improved Fire Suppression System
- Blast Attenuation/Protection Seats

- **C4I**

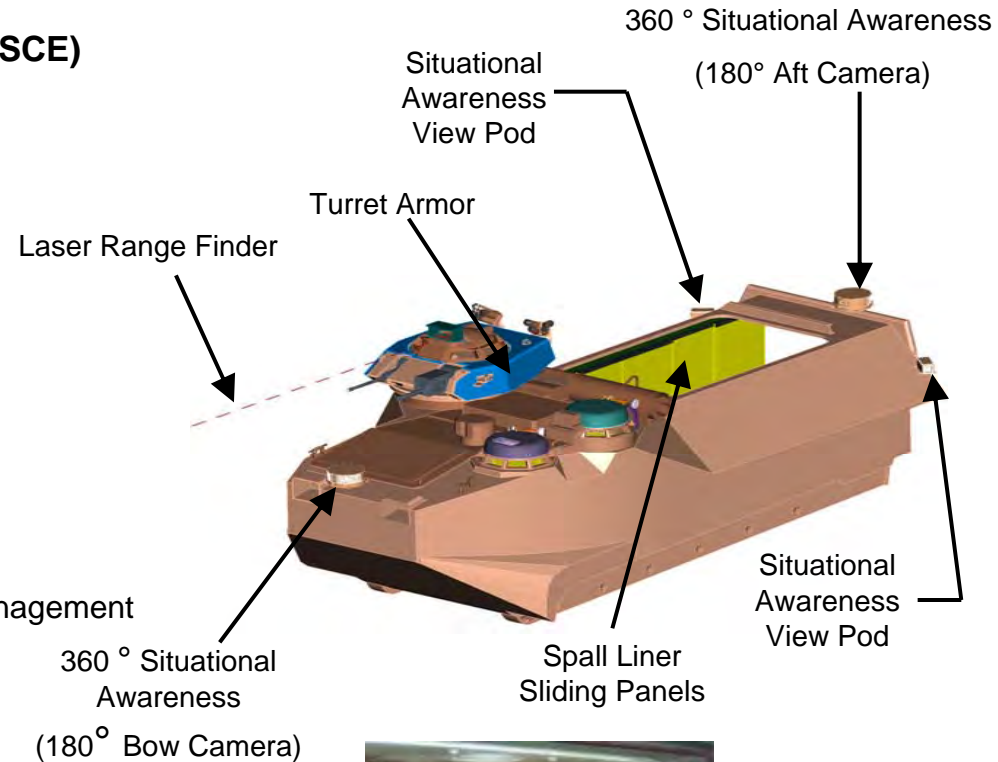
- Open System Architecture
- Improved Battlespace Situational Awareness
- Integral Navigation System
- Improved Vehicle Intercom
- Auxiliary Power System/Improved Power Management

- **Environment/Habitability**

- Improved Air Quality
- Noise/Heat/Vibration Reduction

Up-Gunned Weapons Station (UGWS) Improvements

- Stabilization & proportional controls
- Laser Range Finder
- Improved Slip Ring
- Turret Armor



Rear Photo of Vehicle Dual Shot AFSSS (Non - Toxic) 13



PM Assault Amphibious Vehicle Systems Mr. Prosser

		FY08	FY09	FY10	FY11	FY12	FY13
AAVS	RDT&E	\$0.8M	\$0.8M	\$0.9M	\$0.9M	\$0.9M	\$0.9M
	PMC	\$4.0M	\$5.3M	\$3.8M	\$3.0M	\$9.3M	\$9.6M
	AAV Modification Line						
	RDT&E		\$43.2M				
	PMC						
	AAV SCE Line						



PM Assault Amphibious Vehicle Systems Mr. Prosser

- Next speaker....

**Mr. John Garner, Program Manager,
Evolutionary Firing Systems**

Armor and Fire Support Systems Product Group 14

Evolutionary Firing Systems PMM-144

**Expeditionary Fire Support System (EFSS)
Internally Transportable Vehicle (ITV)
High Mobility Artillery Rocket System (HIMARS)**

Mr. John Garner, Program Manager





PM Evolutionary Firing Systems: Mr. John Garner

Description:

- Responsible for the complete life-cycle management of the EFSS, ITV, and HIMARS; including developing, testing, fielding, sustaining, and planning for disposal of the systems
- Product Portfolio: EFSS, ITV, and HIMARS
- Industry Can Provide Support By:
 - **Continuing / Accelerating Development of Lightweight Vehicle Armoring Techniques and Material**



PM Evolutionary Firing Systems: Mr. John Garner

Near-Term Program Initiatives

- **EFSS**
 - Fielding
 - Precision Extended Range Munitions (17km)
 - Corrosion Protection
- **ITV**
 - Fielding
 - Weight Reduction
 - Lightweight Vehicle Armoring
 - Communication and Medical Variants
 - Corrosion Protection
- **HIMARS**
 - Completion of Fielding
 - Procurement of Guided Multiple Launch Rocket System (GMLRS) Rocket Pods in accordance with Total Munitions Requirement





EFS FYDP Investments

	FY08	FY09	FY10	FY11	FY12	FY13
RDT&E PMC Expeditionary Fire Support System (EFSS)	\$7.4M \$3.9M	\$5.4M \$22.1M	\$5.2M	\$3.1M	\$5.0M	\$5.1M
	Precision Extended Range Munitions			Mortar Computer		
	EFSS Procurement and Fielding					
RDT&E PMC Internally Transportable Vehicle (ITV)	\$6.5M	\$8.0M	\$13.3M	\$19.7M		
	ITV Procurement and Fielding					
RDT&E PMC High Mobility Artillery Rocket System (HIMARS)	\$1.2M \$30.4M	\$2.4M \$109.5M	\$0.5M \$172.5M	\$0.5M \$50.4M	\$2.1M \$22.4M	\$2.4M \$7.0M
	Launcher Improvements			Integration of New Rockets		
	HIMARS Fielding & Sustainment			GMLRS Procurement and Deliveries		



PM Evolutionary Firing Systems: Mr. John Garner

Future Program Initiatives

- **EFSS**
 - Ammunition Capability Enhancements
 - Infra-Red (IR) Illumination
 - Rocket Assisted Projectiles (RAP)
- **ITV**
 - Weight Reduction
 - Shoring
 - Alternative Engines or Propulsion System
- **HIMARS**
 - System Capability Upgrades Throughout the FYDP
 - Continue Procurement of GMLRS Rocket Pods Throughout the FYDP
 - Sustainment of Fielded HIMARS Systems
 - Integration of New Rockets



PM Evolutionary Firing Systems: Mr. John Garner

- Next speaker.....

**Mr. James Ripley, Program Manager,
Fire Support Systems**

**Armor & Fire Support Systems
Product Group 14
Fire Support Systems**

Mr. Jim Ripley, Program Manager





PM Fire Support Systems Mr. Ripley

PM Fire Support Systems is responsible for the acquisition, fielding, and sustainment of equipment that provides the Marine Corps with its ground fire support capability



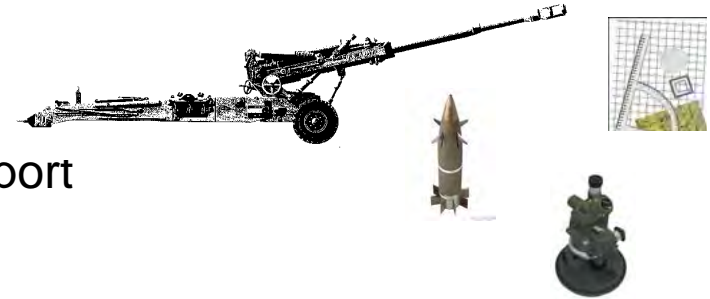


PM Fire Support Systems Mr. Ripley

Project Portfolio

- **Fielded Firing Systems**

- M198 Phase Out & LW155 Fielding Support
- SL-3 / Ancillary Items:
- Munitions Development, i.e. Excalibur
- Asset Enterprise Management Information Tool (AEMIT) / Electronic Weapons Record Book (EWRB)



- **Targeting Systems**

- Common Laser Range Finder (CLRF)
- Laser Target Designators (LTD)
- Thermal Laser Spot Imager (TLSI)
- True North Module (TNM)
- Joint Effects Targeting System (JETS)



- **Survey / Met Systems**

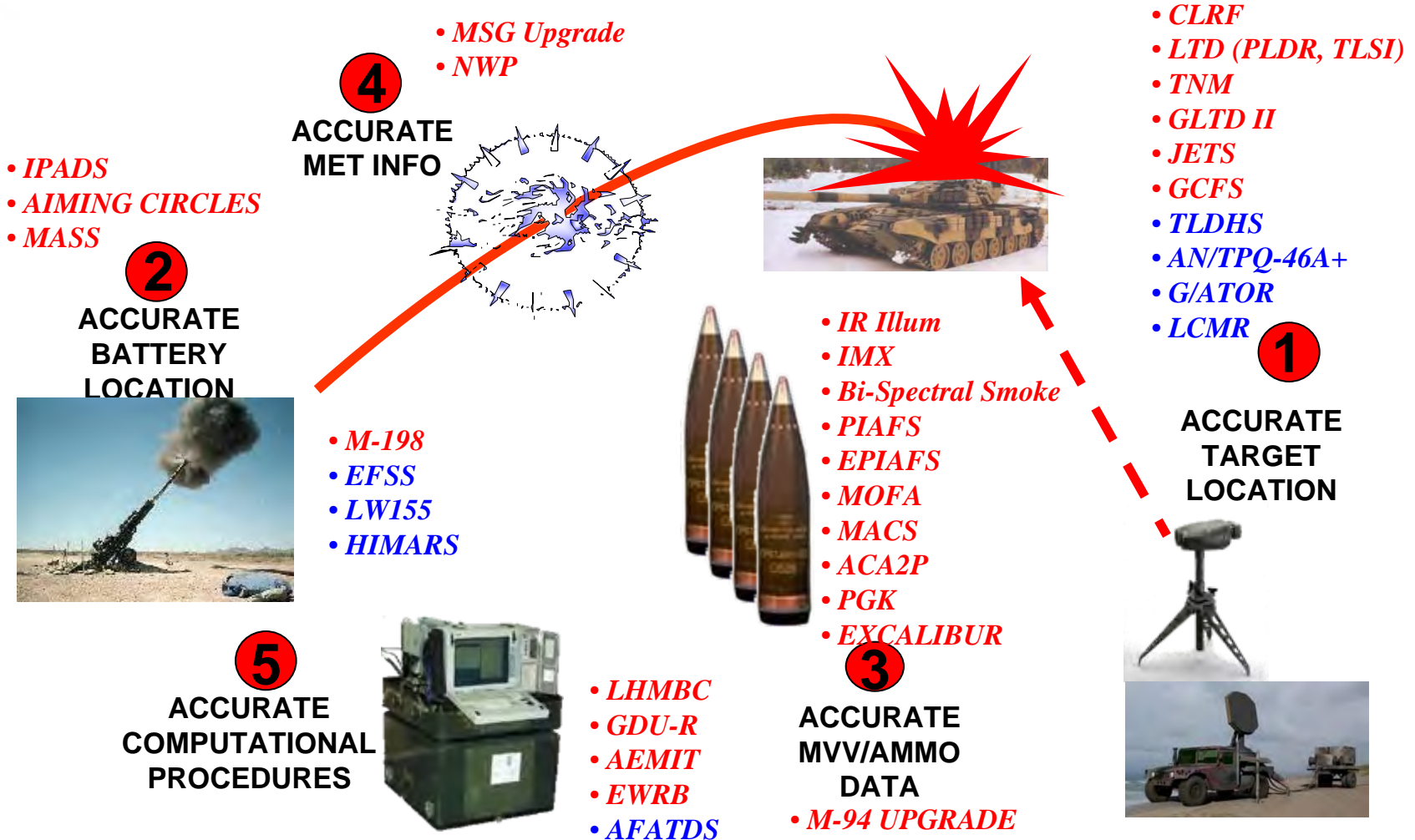
- Ground Counter Fire System (GCFS / HALO)
- MAGTF Meteorological Information Manager (MMIM)





PM Fire Support Systems Mr. Ripley

Five Requirements for Accurate Predicted Fires





Near-Term Program Initiatives

- **Fielded Firing Systems**

- Equip howitzers with sensors to track Effective Full Charges (EFCs), miles traveled / terrain towed, and recoil condition

- **Targeting Systems**

- True North Module: *RFP release in May 08.*
Azimuth unaffected by magnetic fields. \$2-4M in FY08 Procurement.

- **Survey / Met Systems**

- Procurement of 3 balloon-less Met Sensor systems for Extended User Evaluation
- Find alternate battery opportunities for Ground Counter Fire Sensor GCFS



FSS FYDP Investments

		FY08	FY09	FY10	FY11	FY12	FY13
Fielded Firing Systems	RDT&E	\$0.3M	\$1.0M	\$1.0M	\$1.0M	\$1.0M	\$1.1M
	AEMIT related Howitzer sensors						
	PMC	\$2.7M	\$0.8M	\$0.8M	\$1.6M	\$2.3M	\$1.6M
	Arty-MEC			AEMIT related Howitzer sensors			
Targeting Systems	RDT&E	\$1.4M	\$0.7M	\$0.7M	\$0.7M	\$0.7M	\$0.7M
	TNM			JETS			
	PMC	\$16.5M	\$0.8M	\$0.8M	\$1.6M	\$2.3M	\$1.6M
	CLRF, LTD			TNM			
Survey / Met Systems	RDT&E	\$1.2M	\$1.7M	\$0.7M	\$0.7M	\$0.7M	\$0.7M
	MMIM Phase I			MMIM Phase II			
	PMC	\$1.8M	\$0.8M	\$0.8M	\$1.6M	\$3.3M	\$1.6M
	MSG upgrade		MMIM Phase I			MMIM Phase II	



Future Program Initiatives

- **Fielded Firing Systems**
- **Targeting Systems**
 - Continue to research True North technology for other systems
 - **JETS**: Work with Army/AF and industry to develop range finder, spot imager and designator with a reduced footprint / weight
 - Research the Marine Corps need for hand held designators
- **Survey / Met Systems**
 - **GCFS**: Continue participation in Multi-National P3I Working Group (UK & Canada)
 - Replace the Meteorological Station Group (MSG) with the MAGTF Meteorological Information Manager (MMIM)



- Next speaker:

LtCol Wendell Leimbach,
Program Manager, Tank Systems



Armor and Fire Support Systems Product Group 14 Program Manager, Tank Systems PMM-142

**LtCol Wendell Leimbach,
Program Manager**





PM Tank Systems

LtCol Leimbach

MISSION:

To equip operating forces with effective sustainable tank, heavy recovery, assault bridging, and support systems to accomplish their warfighting missions; and to incorporate next-generation armor and tactical vehicle technologies to ensure their continued combat dominance.

Product portfolio:

M1A1 Tank

M88A2 Recovery Vehicle / Support Equipment

Marine Corps Armored Gun Shields (MCTAGS)



PM Tank Systems

LtCol Leimbach

Near-Term Program Initiatives

- **M1A1 Tank**
 - M1A1 Firepower Enhancement Program
 - Stabilized Tank Commander's Weapon Station
 - Improved loader's weapon station
 - Tank Systems Improved Reliability and Sustainability
 - 120mm Multi-Purpose High Explosive round
 - Crew Cooling
 - Improved External Auxiliary Power Unit
- **M88A2 HERCULES**
 - Improved Vehicle Commander's Weapon Station
 - .50 cal Thermal Weapons Sight





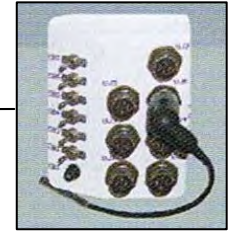
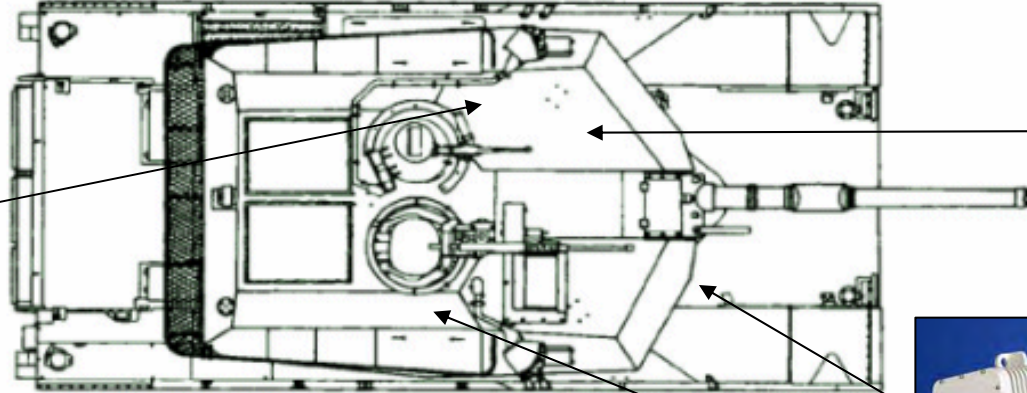
		FY08	FY09	FY10	FY11	FY12	FY13
M1A1 FEP	PMC	\$14.6M	\$14.7M				
		M1A1 FEP					
M1A1 Mod Kits	PMC	\$105.5M	\$11.1M	\$11.9M	\$10.5M	\$25.6M	\$6.5M
	RDT&E	\$1.0M	\$1.1M	\$1.1M	\$1.1M	\$1.1M	\$0.5M
		M1A1 Multipurpose Blade					
		Tank Safety Mods					
		M1A1 Mod Kits					
		M88A2					
		Vehicle Technologies					
Tank Safety Mods/ Tool and Test	PMC	\$3.9M	\$0.2M	\$0.2M	\$0.2M	\$0.3M	\$0.3M
		Safety Mods/Tool and Test					



PM Tank Systems

LtCol Leimbach

RTNB



PDB

- Future Program Initiatives
- Active Protection Systems
- C4I Integration
- Modernization

Survivability/Lethality Enhancement

Sniper Detection

Supportability initiatives

Vehicle Health Management

Reliability Centered Maintenance

Platform digitization (analog vehicles in a digital age)



UTCP



RHNB



PM Tank Systems

LtCol Leimbach

Tanks in the Global War on Terrorism





Questions?