

MARINE CORPS SYSTEMS COMMAND

Advanced Planning Briefing to Industry
"Equipping the Warfighter to Win"

Baltimore, MD

13-14 April 2006

Agenda

MCSC Organization

Marine Corp Warfighting Lab, Brigadier General “Tex” Alles, Commanding General, Marine Corps Warfighting Laboratory, Vice Chief of Naval Research

Marine Corps Systems Command Program Manager for Training Systems (PM TRASYS), Colonel Walter H. Augustin, USMC, Program Manager

Ground Transportation, Engineering Systems Product Group 15 Overview, Mr. Lindo Bradley, Product Group Director

Light Armored Vehicles (LAV), Colonel John J. Bryant, USMC, Program Manager

Overview & Strategic Vision of MCSC, Mr. Randy Delarm, Global Combat Support System, Marine Corps (PM GCSS-MC)

Closing Remarks, Mr. Barry Dillon, Deputy Commander, Marine Corps Systems Command

MARCORSYSCOM Vendor Information Resource on the Internet, Ms. Susan Doss, Deputy CIO, Marine Corps Systems Command

The Navy and Marine Corps Team, Dr. Delores Etter Assistant Secretary of the Navy Research Development and Acquisition

Marine Corps Programs & ResourcesInvestment & Resourcing Information and Strategies; Past, Present & Future, Brigadier General Raymond C. Fox, Director

Acquisition Needs and Trendsfor the Coming Decade, The Honorable Jacques S. Gansler

Robotics Systems Joint Project Office(, Colonel Terry Griffin, Project Manager

Budget of the Marine Corps Systems Command, William Harris Director of Finance, Congressional Liaison

Infantry Weapons SystemsProduct Group 13 Overview, Colonel Michael J. Mulligan, Product Group Director

Lightweight 155mm Howitzer Program(JPMO-LW155), Mr. Martin Kane, Program Manager

International Programs Directorate(IPD), Mr. Steven Manchester, Director

Marine Corps System Command Organization

MAGTF Expeditionary Family of Fighting Vehicles (PM MEFFV), Mr. Thomas Miller, Program Manager

Infantry Weapons Systems Product Group 13 Overview, Colonel Michael J. Mulligan, Product Group Director

Counter IED (CIED) Technology Directorate, Joseph B. Murgo, Director

Combat Equipment & Support SystemsProduct Group 16, Colonel Shawn Reinwald, Product Group Director

Communications, Intelligence and Networking SystemsProduct Group 12, Mr. James Riordan, Product Group Director

Information Systems & InfrastructureProduct Group 10 Overview, Ms. Elizabeth Sedlacek Product Group Director

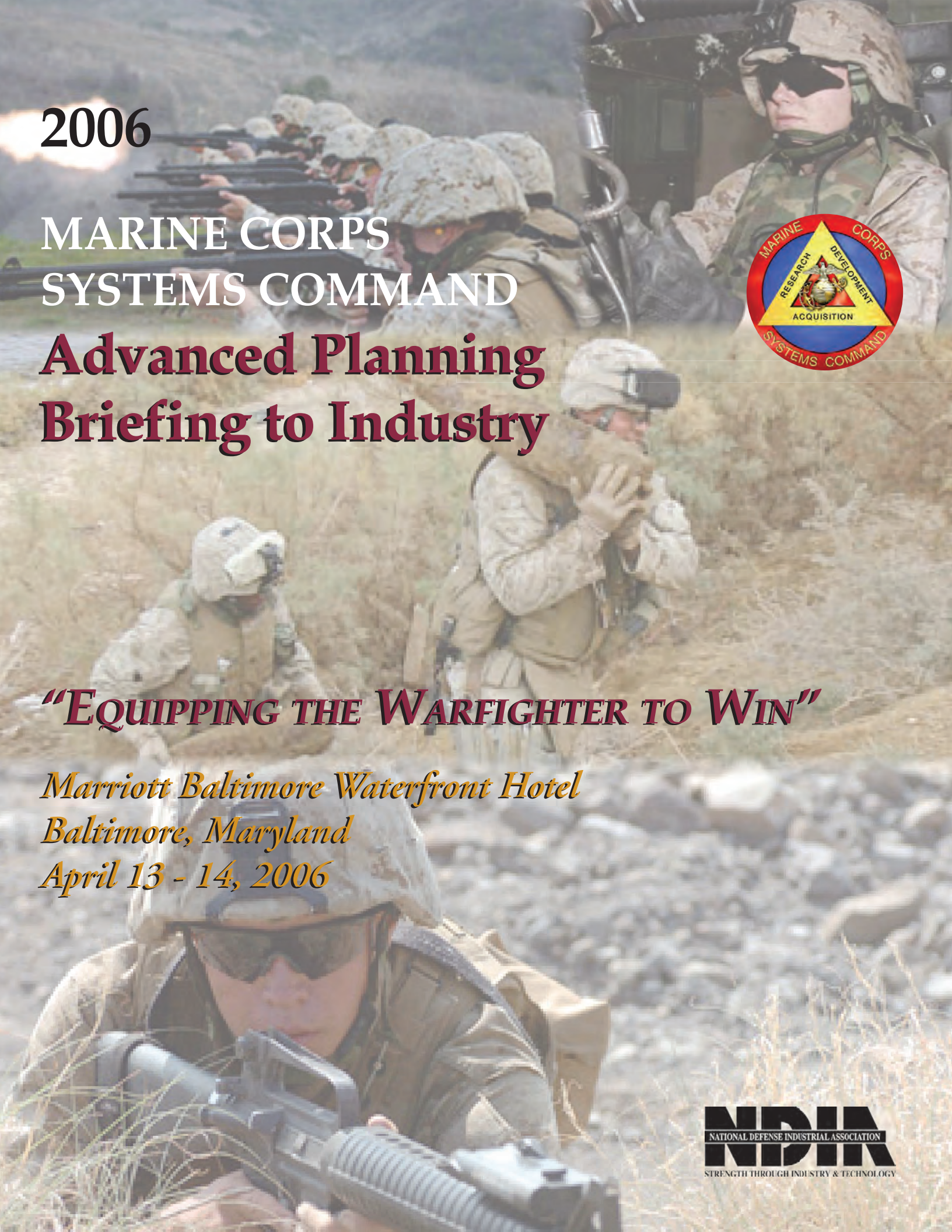
Advanced Planning Briefing to Industry, George W. SolhanDeputy Chief of Naval Research, Expeditionary Maneuver Warfare and Combating Terrorism S&T Department (ONR 30)

MAGTF C2 Weapons and Sensors Development and Integration Product Group 11, Ms. Katrina Wahl, Product Group Director
Armor and Fire Support SystemsProduct Group 14 Overview, Mr. Robert Williams, Jr., Product Group Director

WORKSHOPS:

Navy Electronic Commerce Online (NECO), Ms. Beverly L. Hobbs, Lead Contracting Officer, Business Operations, Contracts

Commercial Enterprise Omnibus Support Services, Mr. Mark Hoyland, Director, MCSC ACSS



2006

MARINE CORPS SYSTEMS COMMAND

Advanced Planning Briefing to Industry

"Equipping the Warfighter to Win"

Marriott Baltimore Waterfront Hotel
Baltimore, Maryland
April 13 - 14, 2006

NDIA
NATIONAL DEFENSE INDUSTRIAL ASSOCIATION
STRENGTH THROUGH INDUSTRY & TECHNOLOGY

INTRODUCTION

Marine Corps Systems Command (MCSC) Advanced Planning Briefing to Industry
Description
Industry Days 2006

Theme: "Equipping the Warfighter to Win"

The tragic events of 11 September have drastically altered the way the United States assesses the security of the global environment. The fact that we may be attacked again on our own soil, anywhere, at anytime, with any type of weapon is now a permanent thought in our nation's collective conscience. Now, it is more difficult to predict potential sources of military threats, the conduct of future wars, and the form that threats and attacks will take. We now face a new enemy known as terrorists and terrorist networks. Those facts coupled with the war in Iraq, compel us to look to our partners in industry for thoughts and break-through ideas. With the Transformation Guidance and Sea Power 21st Century emphasis on expeditionary maneuver warfare, Seabasing and the Joint Warfighting Concepts, we will aggressively participate in the development of technology to meet those goals. The United States Marines have always been known as the world's preeminent expeditionary troops. Coupled with our partners in industry, using science and technology, research and development, our nation will again have the peace we all desire.

With those thoughts in mind the MCSC will be hosting an Advanced Planning Briefing to Industry Day April 13 - 14, 2006, at the Marriott Baltimore Waterfront Hotel, Baltimore, Maryland. The MCSC has not had an Industry Day since 2003, therefore this will be a very informative and diverse meeting that no one will want to miss.

We will begin with opening remarks from the keynote speaker, the Commandant of the Marine Corps, the Commanding General of Marine Corps Systems Command, Deputy Commandants of Marine Corps Combat Development Command and Installations and Logistics. The second day will begin with Under Secretary of the Navy, and the Marine Corps Deputy Commandant for Programs and Resources. Each of the seven Product Group Directors and their Program Mangers will brief, followed by a panel question and answer period. All Marine Corps Systems Command Independent Program Managers, and International Programs will be giving briefs. Simultaneously, we will be conducting workshops 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. For the entire two days we will have static displays from each product group and the Marine Corps Combat Development Command. There will be subject matter experts and support staff in each display to answer your questions or set up appointments for more in-depth meetings.

We look forward to seeing you there.

Static Displays/Information booths

All day/both days

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.

This 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 everyone in the product groups.

Corporate – Ms. Gloria Pryor & Ms. Tammy York
PG 10 – Ms. Sandra Switzer
PG 11 – Mr. John Cocowitch
PG 12 – Mr. Greg Pardo
PG 13 – Mr. Tim Ferris
PG 14 – Mr. Sushil Baluja
PG 15 – Mr. Dean Johnson
PG 16 – Ms. Jean Klinger
PM MEFFV – Ms. Crystal Paine
PM TRASYS – Mr. Brian Kummer

Workshops (April 13 - 14)

Commercial Enterprise Omnibus Support Services ***4 classes (2 per day)***
Mr. Mark Hoyland
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; discussing the annual "open season" for new contractors; and the viability of GSA Blanket Purchase Agreements (BPAs) in the DoD marketplace. The CEOss business model supports the Command's entire 1300-member constituency, as well as other Marine Corps offices, with a complement of 27 prime vendors teams and a total participating base of over 130 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 Mr. Mark Hoyland, 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.

Navy Electronic Commerce On-line ***4 classes (2 per day)***
Ms. Beverly Hobbs
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.

MCTSSA ***1 class (April 14)***
Colonel Stephen Hubble
The Marine Corps Tactical Systems Support Activity (MCTSSA) is located aboard Camp Pendleton in southern California. A workshop will be presented to provide an overview of the Activity's multi-faceted mission and its support to the acquisition and fielding of C4ISR systems, support to deployed Marine Corps units, and the conduct of integration testing for C4ISR systems. Staffed with over 375 Marines and civilian employees, MCTSSA supports more than 30 acquisition programs, provides on-site and remote support to Marine forces participating in Operations Iraqi Freedom and Enduring Freedom as well as every major exercise conducted around the world. Additionally, MCTSSA conducts more than 100 integration and interoperability test events each year to support both Marine Corps specific and joint programs. The workshop will also include information on current and future contracting and business opportunities at MCTSSA. More information can be found at the MCTSSA website at: www.mctssa.usmc.mil

Small Business ***3 classes (April 13 - 14)***
Ms. Jeraline Artis
Greetings to all Small Businesses attending the Advanced Planning Briefing to Industry Conference.

In today's Federal environment is it 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.

AGENDA

April 13, 2006

7:00 AM Registration and Continental Breakfast

7:45 AM ***Welcome and Opening Remarks***
Major General Barry Bates, USA (Ret), Vice-President, Operations, NDIA

7:50 AM ***Strategic Focus of the Marine Corps***
Keynote Speaker
General Michael W. Hagee, USMC, Commandant of the Marine Corps (invited)

8:20 AM ***Changes in some of the Corps' acquisition practices in order to facilitate a better government-industry relationship***
Norman R. Augustine, retired Chairman & CEO of Lockheed Martin (invited)

8:50 AM ***What's Changing? Future Requirements/Capabilities of the Marine Corps***
Lieutenant General James N. Mattis, Commanding General
Marine Corps Combat Development Command and Deputy Commandant for Combat Equipment

9:20 AM ***Readiness and Logistics of the USMC***
Lieutenant General Richard S. Kramlich, Deputy Commandant, Installations and Logistics

9:50 AM Break in Display Area

10:05 AM ***Overview & Strategic Vision of MCSC***
Command Overview
Major General William D. Catto, Commanding General, Marine Corps Systems Command

10:35 AM ***Information Systems & Infrastructure (ISI)***
Introduction: Ms. Elizabeth Sedlacek, Product Group Director, PG 10

- 10:45 AM ***PM Enterprise Information Technology Services***
  Mr. Ken Beutel
- 10:55 AM ***PM Navy Marine Corps Intranet***
  Mr. Al Cruz
- 11:05 AM ***PM Total Force Information Technology Systems***
  Ms. Sonia Kitchen
- 11:15 AM Panel Question and Answer Period

11:35 AM ***Communications, Intelligence and Networking Systems (CINS)***
Introduction: Mr. Jim Riordan, Product Group Director, PG 12

11:45 AM ***PM Communications and Networking Systems***
Ms. Theresa Conte

11:55 AM ***PM Intelligence Systems***
Lieutenant Colonel Joel Anderson, USMC

12:05 PM Panel Question and Answer Period

12:25 PM Buffet Lunch in Display Area

1:45 PM Lieutenant Colonel Ben Allegretti, USMC, Chief Information Officer

2:00 PM ***How the MCWL is Working Future Naval Expeditionary Warfare Capabilities for Operating Forces***
Brigadier General Randolph D. Alles, USMC
Commanding General Marine Corps Warfighting Lab (invited)

2:30 PM ***MAGTF C2 Weapons & Sensors Development & Integration (MC2I)***
Introduction: Ms. Katrina Wahl, Product Group Director, PG 11

2:40 PM ***PM MAGTF C2 Systems***
Colonel Steven Elkins, USMC

2:50 PM ***PM Operations Facilities***
Mr. Kevin Holt

3:00 PM ***PM Radar Systems***
Mr. John McGough

3:10 PM ***PM Air Defense***
Lieutenant Colonel Lew Wood, USMC

3:20 PM ***PM Unmanned Aerial Systems***
Lieutenant Colonel Frank Kelley, USMC

3:30 PM Panel Question and Answer Period

3:50 PM ***Ground Transportation & Engineer Systems (GTES)***
Introduction: Mr. Lindo Bradley, Product Group Director, PG 15

4:00 PM ***PM Engineer Systems***
Mr. William Macecevic

4:10 PM ***PM Expeditionary Power Systems***
Mr. Michael A. Gallagher

AGENDA

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4:20 PM ***PM Motor Transport***
Colonel Sue Schuler, USMC/Lieutenant Colonel Thomas Doran,USMC

4:30 PM Panel Question and Answer Period

4:50 PM Break in Display Area

Independent Program Managers

5:10 PM ***PM Training Systems (TRASYS)***
Colonel Walter Augustin, USMC, Program Manager

5:25 PM ***PM Lightweight 155 (LW 155)***
Mr. Jim Shields, Program Manager

5:40 PM ***PM MAGTF Expeditionay Family of Fighting Vehicles (MEFFV)***
Mr. Tom Miller, Program Manager

5:55 PM ***PM Global Combat Support Systems (GCSS)***
Mr. Randy Delarm, Program Manager

6:10 PM ***Science & Technology***
Mr. George Solhan, Deputy Chief of Naval Research

6:25 PM - 8:00 PM Reception in Display Area

April 14, 2006

7:00 AM Registration and Continental Breakfast

7:45 AM ***Navy/Marine Corps Team***
Keynote Speaker
The Honorable Dionel Aviles, Under Secretary of the Navy (invited)

8:15 AM ***Marine Corps Needs & Resources***
Lieutenant General Emerson N. Gardner Jr., USMC
Deputy Commandant for Programs & Resources (invited)

8:45 AM ***Wartime OIF Operational Perspective & How Partnership with Industry Benefited the Warfighter***
Brigadier General Joseph Dunford, USMC
Director of Operations Division HQMC (invited)

9:15 AM ***Infantry Weapons Systems (IWS)***
Introduction:
Colonel Michael Mulligan, USMC, Product Group Director, PG 13
Lieutenant Colonel Patrick Malay, USMC, Battalion Commander, 3rd Battalion, 5th Marines during the Battle of Fallujah, Iraq
"Marine Infantry Battalion Overview: Infantry Weapons System Capabilities Required in Current and Future Combat"

9:35 AM ***PM Anti-Armor Systems***
Mr. Axel Fait

9:40 AM ***PM Infantry Weapons***
Lieutenant Colonel Richard Adams, USMC

9:45 AM ***PM Marine Expeditionary Rifle Squad***
Mr. David Hansen

9:50 AM ***PM Optics and Non-Lethal Systems***
Ms. Jean Beal

9:55 AM ***PM Recon & Amphibious Raids***
Mr. William Barnebee

10:00 AM Panel Question and Answer Period

10:50 AM Break in Display Area

11:10 AM ***Armor & Fire Support Systems (AFSS)***
Introduction: Mr. Robert Williams, Product Group Director, PG 14

11:20 AM ***PM Light Armored Vehicle Systems***
Mr. Bryan Prosser, Program Manager

11:30 AM ***PM Expeditionary Fire Support System/Internally Transportable Vehicle***
Mr. John Garner, Program Manager

11:40 AM ***PM Fire Support Systems***
Mr. James Ripley, Program Manager

11:50 AM ***PM High Mobility Artillery Rocket System***
Mr. James Westerholm, Program Manager

12:00 PM ***PM Tank Systems***
Lieutenant Colonel John Swift, Program Manager

12:10 PM Panel Question and Answer Period

12:30 PM Buffet Lunch in Display Room

AGENDA

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1:45 PM ***The Procurement Budget of Marine Corps Systems Command and the President's Budget***
Mr. Jamie Polzin, SES, Comptroller, Marine Corps Systems Command

2:15 PM ***Combat Equipment & Support Systems (CESS)***
Introduction: Colonel Shawn Reinwald, USMC, Product Group Director, PG 16

- 2:25 PM ***PM Infantry Combat Equipment***
  Mr. Daniel Fitzgerald
- 2:35 PM ***PM NBC Defense Systems***
  Mr. James Nelson
- 2:45 PM Panel Question and Answer Period

3:05 PM Break in Display Area

3:15 PM ***PM Light Amphibious Vehicle (LAV)***
Colonel John Bryant, USMC, Program Manager

3:30 PM ***International Programs***
Foreign Comparative Testing
Ms. Shawn Prablek

3:45 PM Closing Remarks

4:00 pm Adjourn



Conference Registration

Payment must be made at the time of registration. Please complete the attached form and mail your fee, payable to:
The National Defense Industrial Association (NDIA), Event #6900, 2111 Wilson Boulevard, Suite 400, Arlington, VA 22201-3061. Faxed registrations are also acceptable. Please include your credit card number (Diners Club, Visa, MasterCard, American Express, but not Discover Card), name, card expiration date, and signature on the registration form and fax to **NDIA** at **(703) 522-1885.** Registrations may not be done over the phone.

The registration fees for the **2006 Marine Corps Systems Command - APBI** are as follows:

	Early	**Regular**	**Late**
	(**Before** 2/20/06)	(2/20/06 - 4/3/06)	(**On/After** 4/4/06)
Industry NDIA Member	$400	$450	$550
Industry Non-NDIA Member**	$430	$480	$580
U.S. Gov't/Academia/Allied Gov't	$250	$300	$400

** The Non-Member fees include a one year individual membership to NDIA.

The conference fee includes attendance at all sessions, coffee breaks, lunches, reception, and administrative costs. The **Government/Allied Gov/Academia Fees** apply **Only** to Active Military and Civil Service personnel with government identification cards and employees of academic institutions.

On-Line Registration

Register for this conference at **www.ndia.org/meetings/6900.** You will receive an e-mailed confirmation after you use the **CONFIRM** button on the web page. You can also put yourself on a mailing list for future brochures at the same site. When registering on-line (through our webpage), please review your information and then ***"submit "*** and ***"confirm"*** your entry. On-line registration will end at close of business, eastern standard time, on **Tuesday, April 4, 2006**. Please register on-site after that date.

In Person On-Site Registration (space permitting)

On-site registration will be on a space available basis. There is a possibility that registration may be closed early due to capacity limitations; we strongly suggest that you register early for this unique event. Please check our web site: www.ndia.org/meetings/6900 before making travel arrangements to ensure that on-site registration is available, or call our Association Service Center at (703) 522-1820. We sometimes sell out and must close registration.

Refunds

Registrants who cannot attend the conference must provide written notification of cancellation to Simone Baldwin, sbaldwin@ndia.org. **A $150 cancellation fee will be applied to cancellations received between February 20, 2006 and April 3, 2006. Beginning April 4, 2006, no refunds will be given for any cancellations. Refunds of any kind will be processed AFTER the conclusion of the conference.** Substitutions are welcomed and must be submitted in writing via email to Simone Baldwin, sbaldwin@ndia.org, by 5pm EST on Tuesday, April 4, 2006. Badges are non-transferable. This refund policy applies to all attendees regardless of their method of registration or reason for cancellation.

GENERAL INFORMATION

Attendance Roster

An attendance roster will be distributed at the conference. Your registration form and payment must be received by 5pm EST on **Monday, April 3, 2006** to be included on the roster. An updated roster will NOT be printed after the conference.

Hotel Information

A block of rooms has been reserved at **Marriott Baltimore Waterfront Hotel,** 700 Aliceanna Street, Baltimore, MD 21202. Call (800) 228-9290 or (410) 385-3000 to make reservations. The room rate is $179 single/double for industry attendees. The prevailing 2006 government rate for government attendees will be offered. The per diem rate is available ONLY to active duty military or civilian government employees. Identification will be required at check-in; a retired military ID is NOT acceptable. **Reservations must be made by Wednesday, March 22, 2006.** Rooms may be sold out before Wednesday, March 22, 2006. After that date, reservations will be accepted on a space available basis. Speakers and Attendees are responsible for making their own hotel reservations. Be sure to mention that you are with the NDIA 2006 Marine Corps Systems Command - Advanced Planning Briefing for Industry Conference in order to receive the group rate.

Attire

Appropriate dress for the conference is business attire or equivalent military duty uniform.

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The Defense Industry's leading employment website; find a job, post a job listing, post a resume, and search resumes. For more information please contact info@defensejobs.com or 703.247.9461. Please visit www.defensejobs.com

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National Defense Magazine

Increase your company's exposure at this conference by advertising in National Defense! National Defense will be distributed to the attendees of this conference. For more information contact, Dino Pignotti at Phone 703-247-2541 Fax 703-522-4602.

Inquiries

For questions regarding attendee participation at this conference contact Simone L. Baldwin at (703) 247-2596 or via e-mail, sbaldwin@ndia.org.

Continuous Learning Activity

Attending/Speaking/Presenting at this professional Symposium & Exhibition may allow a DoD AT&LWF member's supervisor to award points in accordance with the OUSD AT&L memorandum dated 18 Sep 2002. However, the supervisor needs to determine that the individual learned something meaningful from the experience.

2006 Marine Corps Systems Command / APBI

Marriott Baltimore Waterfront Hotel
Baltimore, MD
• April 13 - 14, 2006 • Event #6900

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2111 Wilson Boulevard, Suite 400
Arlington, VA 22201-3061
(703) 522-1820 • (703) 522-1885 fax
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1. Online with a credit card at www.ndia.org
2. By fax with a credit card — Fax: 703-522-1885
3. By mail with a check or credit card

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Signature* _____ Date _____

Preferred way to receive information

Conference information ❑ address above ❑ Alternate *(print address below)* ❑ E-mail

Subscriptions ❑ address above ❑ Alternate *(print address below)*

Alternate Street Address _____

Alternate Address *(Suite, PO Box, Mail Stop, Building, etc.)* _____

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** By your signature above you consent to receive communications sent by or on behalf of NDIA, its Chapters, Divisions and affiliates (NTSA, AFEI, PSA, NCWG, WID) via regular mail, e-mail, telephone, or fax. NDIA, its Chapters, Divisions and affiliates do not sell data to vendors or other companies.*

By completing the following, you help us understand who is attending our meetings.

Primary Occupational Classification. *Check ONE.*
- ❑ A. Defense Business/Industry
- ❑ B. R&D/Laboratories
- ❑ C. Army
- ❑ D. Navy
- ❑ E. Air Force
- ❑ F. Marine Corps
- ❑ G. Coast Guard
- ❑ H. DOD/MOD Civilian
- ❑ I. Gov't Civilian (Non-DOD/MOD)
- ❑ J. Trade/Professional Assn.
- ❑ K. Educator/Academia
- ❑ L. Professional Services
- ❑ M. Non-Defense Business
- ❑ N. Other _____

Current Job/Title/Position. *Check ONE.*
- ❑ A. Senior Executive
- ❑ B. Executive
- ❑ C. Manager
- ❑ D. Engineer/Scientist
- ❑ E. Professor/Instructor/Librarian
- ❑ F. Ambassador/Attaché
- ❑ G. Legislator/Legislative Aide
- ❑ H. General/Admiral
- ❑ I. Colonel/Navy Captain
- ❑ J. Lieutenant Colonel/Commander/Major/Lieutenant Commander
- ❑ K. Captain/Lieutenant/Ensign
- ❑ L. Enlisted Military
- ❑ O. Other _____

Year of birth _____
(Optional)

Registration Fees

	Early *before 2/20/06*	Regular *2/20/06-4/3/06*	Onsite *on/after 4/4/06*
Industry NDIA member and affiliates (**AFEI, NCWG, NTSA, PSA, WID**)	❑ $400	❑ $450	❑ $550
Industry non-NDIA member[2]	❑ $430	❑ $480	❑ $580
Government/Academia[1]	❑ $250	❑ $300	❑ $400

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[1] Includes a free three-year NDIA membership and *National Defense* magazine for Military and Government employees (first time members only).
o No do not sign me up for the membership.

[2] Registration fees for non-NDIA members include a one-year non-refundable NDIA membership—$15.00 will be applied for your subscription to *National Defense* magazine.

Payment Options
- ❑ Check *(payable to NDIA)*
- ❑ Cash
- ❑ Government PO/Training Form # _____
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- ❑ MasterCard
- ❑ American Express
- ❑ Diners Club

If paying by credit card, you may return by fax to (703) 522-1885

Credit Card Number ☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐

Exp. date ☐☐/☐☐

Signature _____ Date _____

Questions? Contact Meeting Planner, Ms. Simone L. Baldwin
(703) 247-2596 email: sbaldwin@ndia.org

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2006 Marine Corps Systems Command - APBI

Marriott Baltimore Waterfront Hotel
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Brigadier General
"Tex" Alles

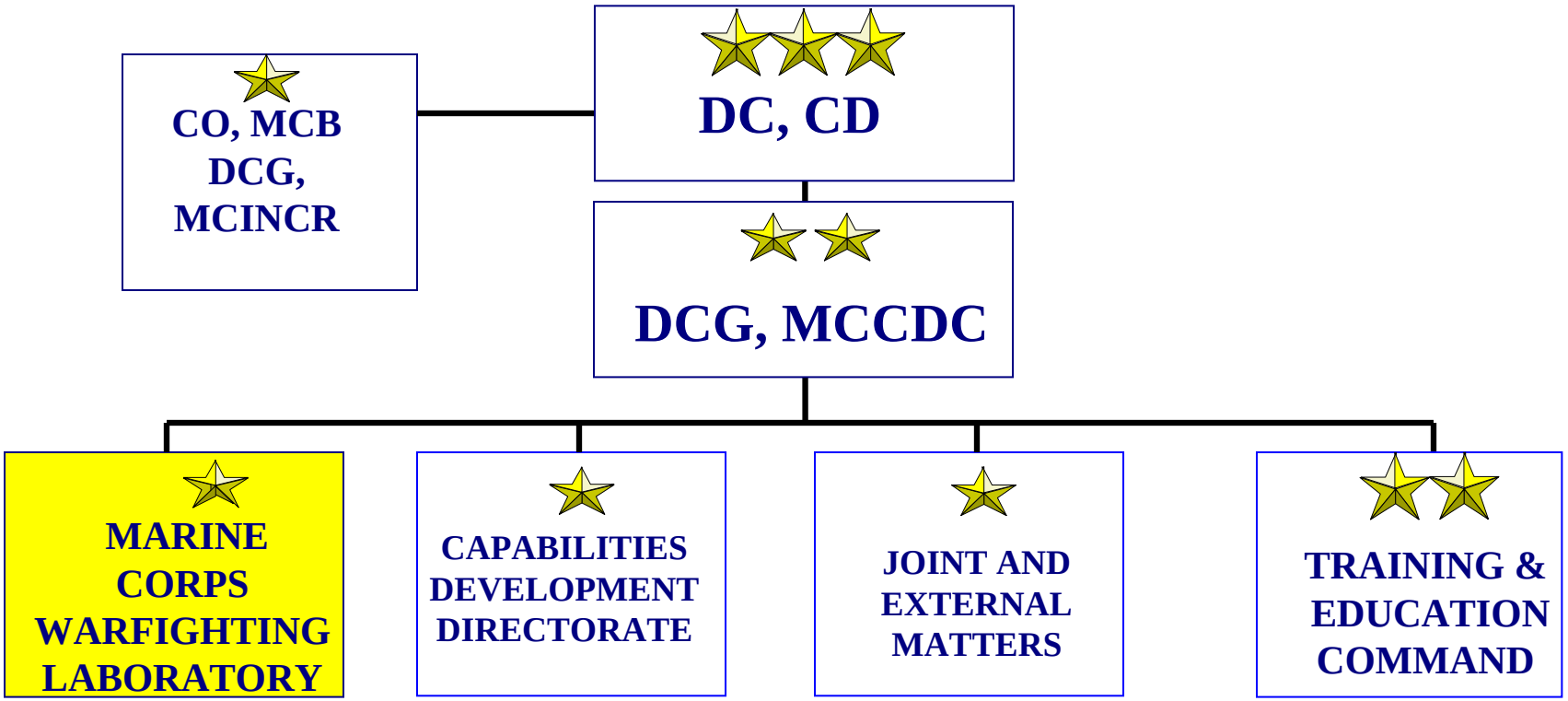
Commanding General
Marine Corps Warfighting Laboratory

Vice Chief of Naval Research

www.mcwl.quantico.usmc.mil

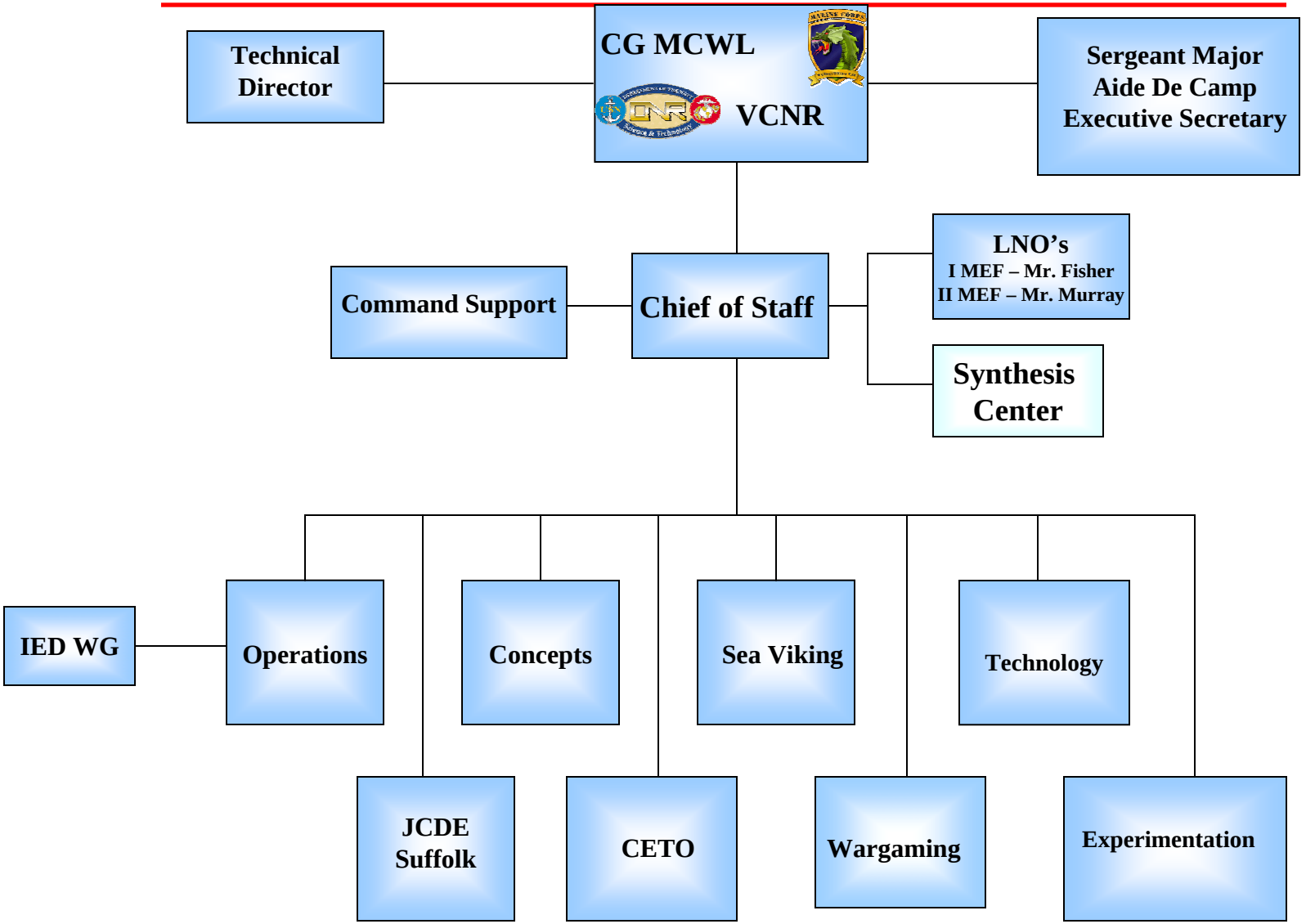
Organizational Placement

(http://www.mccdc.quantico.usmc.mil)



The Lab CG is also Vice Chief of Naval Research,
Executive Agent for S&T, and EA for Tech Support to OIF/OEF

Commanding General MCWL



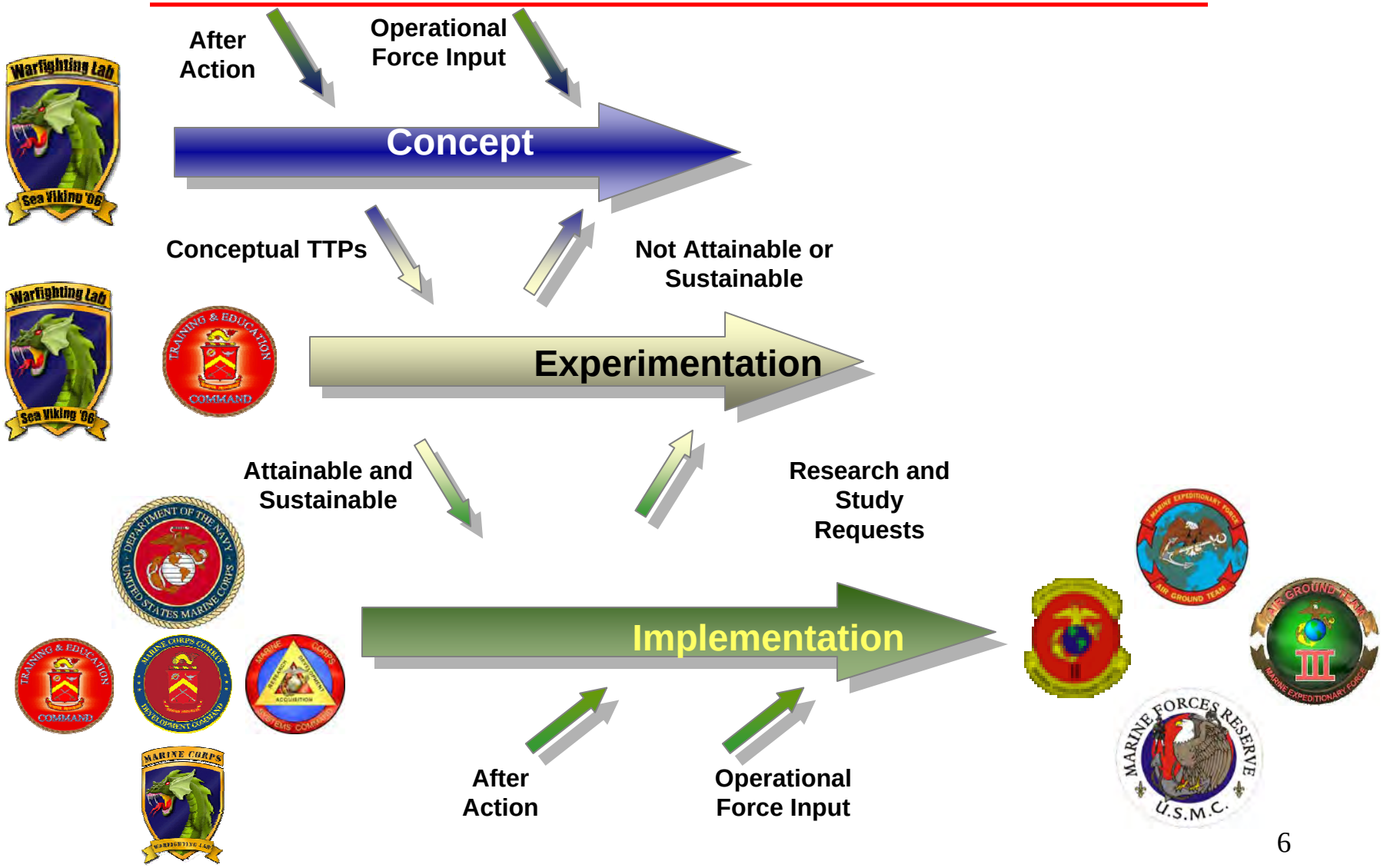
Mission

MCWL conducts ***concept-based experimentation*** to develop and evaluate ***tactics, techniques, procedures and technologies*** in order to enhance Marine Corps warfighting capabilities.

Experimentation Philosophy

- Innovation is more than technological change. Must consider tactics, organization and training.
- Results of experimentation are based on a combination of analytical rigor and operational assessment
- Marine Corps must credibly engage Joint Concept Development and Experimentation (JCDE)
- Our concepts translate to “Service” and get integrated into Joint Concepts

Concurrent Development Model



Experimentation Continuum

The Three Worlds of Innovation and Transformation



Solving Immediate Problems



The Next Service

4-5 years



The Service After Next

10-15 years

Marine Corps Experimentation and S&T supports Naval Transformation Roadmap

Current Concepts

Global War on Terrorism (GWOT)

Current Marine Corps concepts emphasize the Global War on Terrorism. Concepts development, capability gap analysis, and subsequent experimentation in GWOT related strategy and tactics have resulted in the development of TTPs and the initiation of multiple technology efforts to develop weapons and systems.

Distributed Operations

In response to GWOT and other predictive analysis the Lab is developing and experimenting with the concept of Distributed Operations.

"DO is an operating approach that will create an advantage over an adversary through the deliberate use of separation and coordinated, interdependent, tactical actions enabled by increased access to functional support, as well as by enhanced combat capabilities at the small-unit level."

Primary Goals of DO

1. Develop a greater institutional commitment to the training of enlisted combat leaders.

2. Empower small units with enhanced capabilities; provide education and training to enable Marines to better accomplish the mission.

3. Provide Marines with the best equipment in the world and the training to employ it.

Technology Development

The successful accomplishment, via experimentation, of the MCWL purpose and mission requires entry into Technology Development.

In Technology Development the Lab has four roles

1. *Tech to support Concept-Based Experimentation*
2. Operational assessments (for ONR or MCSC)
3. Tech support for the Operating Forces
4. Selective Tech Development for transition

Technology Priorities

-Broad Concepts

- ✧ Make our small units dominant, akin to our aviation at 15K feet or our Navy on the high seas.
- ✧ Consider the Marine as a part of a system, so we don't just concentrate on giving an individual the best gear, but gain synergy (comms, jammers, ISR, etc) from the system.
- ✧ Find and avoid minefields by their anomalies.
- ✧ Strengthen our ability to sensitize our troops to cultural and language capabilities -- enable the human interface.

Technology Priorities

- ✧ Premature detonation capability against IEDs
- ✧ Halving the weight of the basic fighting load of the infantryman
- ✧ Incorporating common electrical power without the variety of short life batteries
- ✧ Making infantrymen bulletproof and climatically controlled within ten years
- ✧ A helmet with a pilot-like HUD containing optics, protection, data display & comms
- ✧ A day/night scope for infantry weapons
- ✧ Simulators that approximate the real conditions for squads are needed
- ✧ IFF and PLI easily read/transmitted in real time displayed.
- ✧ EMP shielding and chem-bio protection
- ✧ Adaptive camouflage that conforms to the environment and light conditions.

Telepresent Rapid Aiming Platform (TRAP)

- Remote firing platform
  - Tripod or vehicle mounted



•Man transportable can be emplaced up to 100 meters from the operator

•Day/Night video and IR thermal capabilities,



•Network controller to allow up to four TRAPs to be controlled from a common location, controller screen has integrated digital crosshairs for aiming

•Accommodates the M240G/B machine guns, M249 Squad Automatic Weapon, M-82 .50 caliber Special Application Scoped Rifle (SASR), Designated Marksman Rifle (DMR), and M-16 Service Rifle



Wasp Micro UAS

- DARPA funded Micro Air Vehicle
- Platoon Leader's "Binoculars forward"
- 4-5 Km -- 1 Hour Duration
- 35 WASP Systems over 18 months (137 Air Vehicles)
- Validation of requirement anticipated Summer 06
- Controlled insertion of technology into forward deployed units



RST-V

- Joint USMC, ONR, DARPA program
- Program began in 1999
- Developmental vehicles delivered to the Lab for Limited Technical Assessments
- Demonstrated in Capable Warrior and additional LTAs
- Transitioned to SysCom in 2006
- Possible Deploy to Iraq in 2006



Questions?

Marine Corps Systems Command Program Manager for Training Systems (PM TRASYS)

Colonel Walter H. Augustin
Program Manager

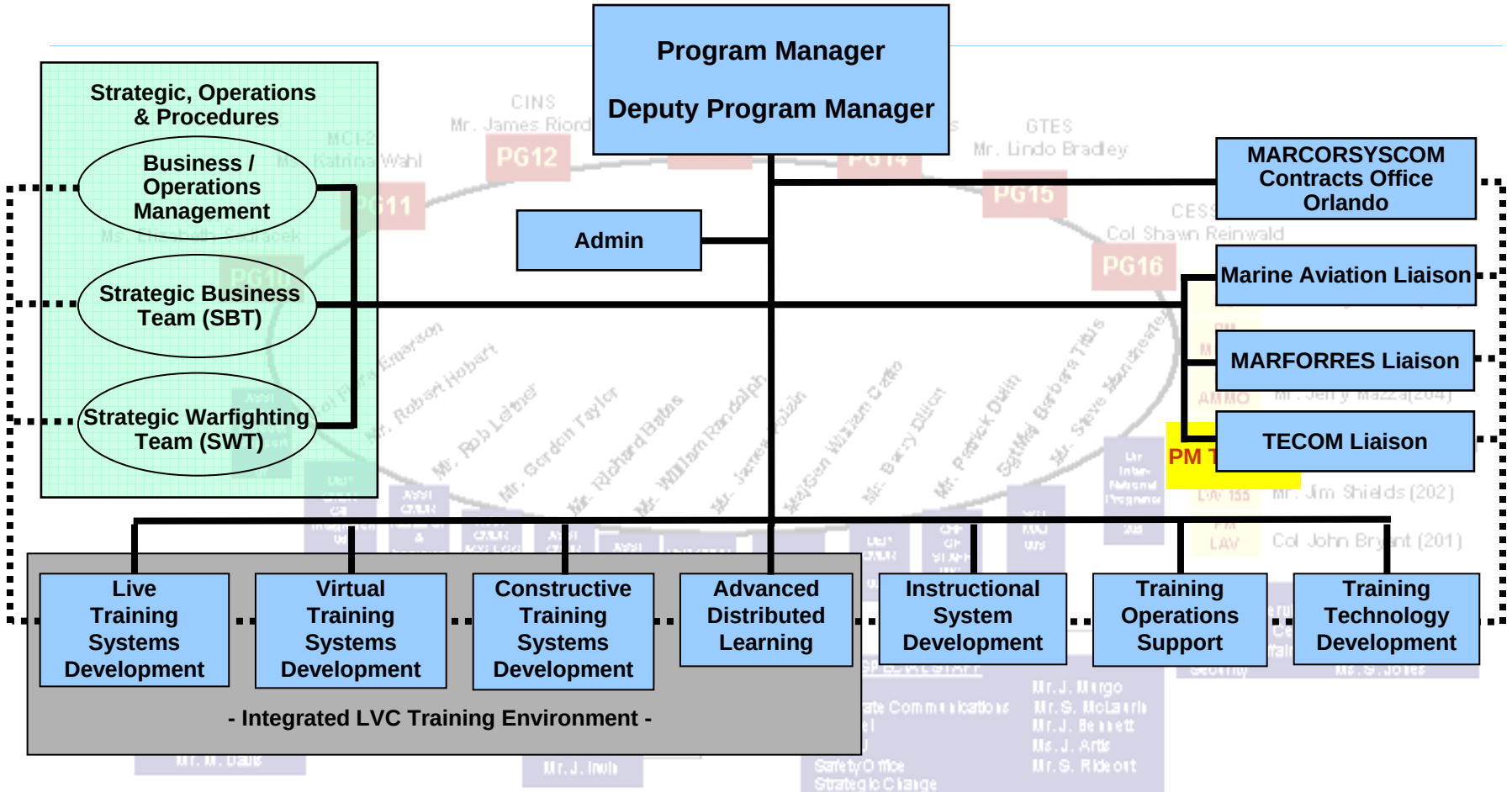
- **Mission:**
  - **To serve as the Marine Corps' center of excellence in providing training solutions for our Marines in a way that enables them to effectively accomplish their mission.**

- **Vision:**
  - **We are the recognized leader in providing training solutions to develop and enhance the performance of Marines.**

PM TRASYS Functions

- Manpower And Training Analysis
- Training Science And Technology Development
- Training Systems Development
- Training Operations Support
- Marine Aviation Liaison
- Marine Corps Reserve Forces Liaison

Advanced Planning Briefing to Industry 2006
Independent Program Managers



▪▪▪▪▪▪▪▪ - Indicates direct & formal interactions for staffing; program coordination/integration and accomplishment; establishment/accomplishment of procedures & strategic initiatives

PM TRASYS Principals



Col Walter H. Augustin
Program Manager



Mr. Daniel Torgler
Deputy Program Manager

Assistant Program Managers



LtCol Brad Valdyke
Live Training Systems Development



Ms. Annette Pike
Virtual Training Systems Development



LtCol Greg Caldwell
Constructive Training Systems Development



Ms. Anne Sullivan
Advanced Distributed Learning



Maj Stu Muladore
Training Operations Support



Mr. Bill Franklin
Instructional Systems Development



Mr. Martin Bushika
Training Technology Development



LtCol Ed Coyl
Marine Aviation Liaison



LtCol Julio Villalba
MARFORRES Liaison



Mr. Brian Kummer
Business & Operations



Ms. Karen Ream
Budget & Finance



Mr. John Lynch
Contracts



Mr. Ba Duong
Engineering



Ms. Suzie Rupert
Facilities Engineering

PM TRASYS Total FY06 Funding: $264.3M

Appropriations Spending Breakout

Appropriation	FY 06	FY 06 Supplemental	FY 07
RDT&E	$13.1M	$2.0M	$7.3M
O&M	$54.7M	$55.5M	$48.7M
Procurement	$86.4M	$52.6M	$13.8M

Combined-Arms Military Operations in Urban Terrain (CA MOUT) Training Facilities

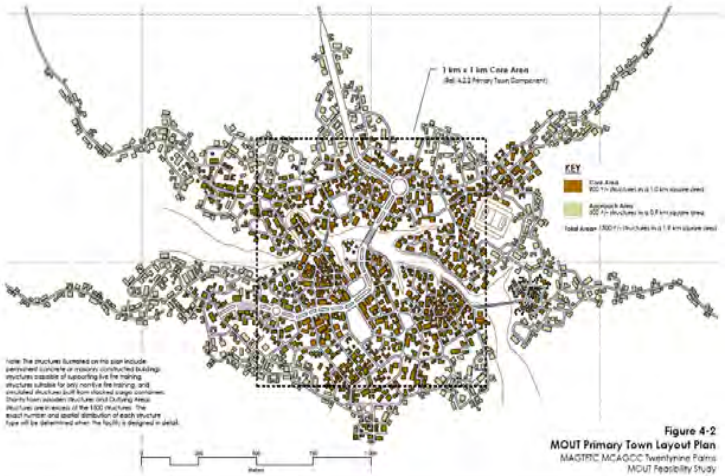


Figure 4-2
MOUT Primary Town Layout Plan
MAGTFTC MCAGCC Twentynine Palms
MOUT Feasibility Study

This training facility will consist of 1500 assorted structures that will enable MEBs to conduct training in an environment that resembles "real world" urban conditions. Located at 29 Palms, CA. these structures provide the difficulties units will face as they communicate, coordinate, maintain situational awareness, navigate, and track urban operations. Structures will be procured via a mix of Military Construction and Procurement Funded procurements.

Acquisition Schedule for FY06 Funds

Draft RFP Released	**01-May-06**
Pre-Solicitation Conference & Site Visit	**15-May-06**
Final RFP Released	**07-Jul-06**
Proposals Due	**04-Aug-06**
Contract Award	**01-Sep-06**

Program Funding

Procurement: **FY06** **$20.0M to $40.0M**
FY07 **$34.9M (Potential)**

- **Mix of Congressional Plus-Up and GWOT Supplementals Funds**

Construction: **FY06** **$21.0M**
FY07 **$21.0M (Potential)**

- **Navy Facilities is the acquisition agent for the construction efforts**

Military Operations in Urban Terrain (MOUT)



These facilities will provide Company/Platoon Level homestation MOUT training across multiple Marine Corps bases both CONUS and OCONUS. The training environment will resemble "real world" urban conditions to provide a challenging and complex urban environment to replicate the difficulties units will face as they communicate, coordinate, maintain situational awareness, navigate, and track urban operations.

Schedule for FY06 Funds

RFP Releases	**3Q/4Q FY06**
Contract Awards	**4QFY06 – 1QFY07**
Potential Procurements	**7**

(1 procurement per location for Camp Pendleton, Camp Lejeune, Camp Butler, MCB Hawaii, Quantico, Yuma, and MWTC Bridgeport)

Program Funding

FY06 $33.8M

- **Congressional Plus-Up and GWOT Supplemental Funds**

Integrated GPS Radio System (IGRS)

Production





- Competitive Production Contract for approximately 388 Vehicle Units and 88 Dismounted Marine Units
- Real-Time Tracking of Tactical Vehicles and Scout/Sniper Teams
- Map-based command and control capability for Exercise Control
- Facilitates tactical activities
- After Action Review (AAR) for lessons learned briefing Marines, and for improving future training

Schedule for FY06 Funds

Draft RFP Released	31-May-06
Pre-Solicitation Conf	12-Jun-06
Industry Comments	04-Jul-06
Final RFP	14-Jul-06
Proposal Due	15-Aug-06
Contract Award	01-Sep-06

Program Funding

FY06 $1.5M

- Congressional Plus-Up Funds

Targets







Procurement of individual Stationary Infantry Target Lifters, Stationary Armor Target Mechanism, Hand-held radio controllers and Range Operating System to replace and upgrade existing damaged systems at Camp Lejeune, NC and the Mountain Warfare Training Center (MWTC) Bridgeport, CA.
Replacement items must integrate with current Marine Corps ranges and installations.

Schedule for FY06 Funds

RFP Releases	**3Q/4Q**	**FY06**
Contract Awards	**4Q**	**FY06**
Potential Procurements		**2**

- **1 for Camp Lejeune, NC**
- **1 for MWTC Bridgeport, CA**

Program Funding

FY06 $2.1M

- **Congressional Plus-Up Funds**

Logistics Vehicle Systems Replacement - Training System (LVSR-TS)



LVSR

The LVSR-TS will include interactive maintenance training devices (MTDs) for LVSR sub-systems including: hydraulic, braking, steering, suspension, central tire inflation, wheel, hub, power pack, transfer and engine. Task, virtual, blended, and other technology based training solutions are being considered.

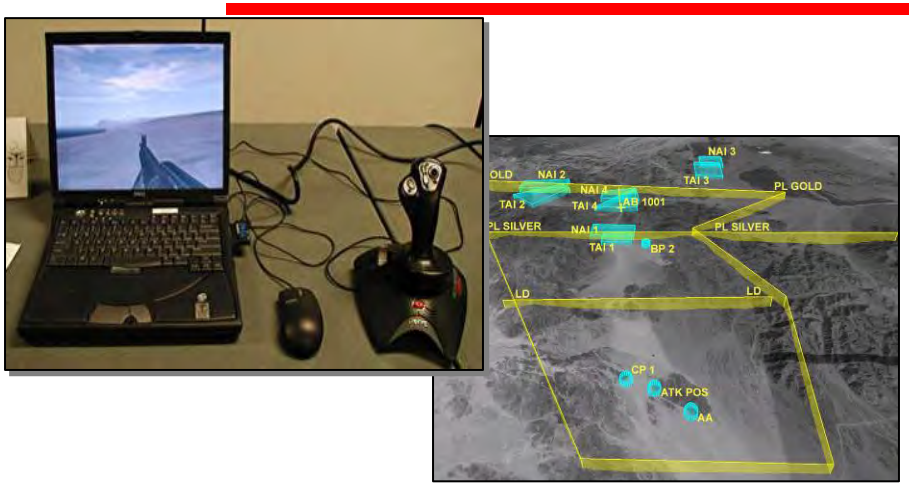
Schedule

Draft RFP &		
Pre-Solicitation Conf	**1Q**	**FY07**
RFP Releases	**1Q/2Q**	**FY07**
Contract Awards	**3Q**	**FY07**

Program Funding

TBD

Deployable Virtual Training Environment (DVTE)



The DVTE will be used in garrison or a deployed environment to provide command and control and combined arms training to the MEU and below. DVTE will be comprised of a suite of PCs that can emulate ground or air vehicles, dismounted infantry, FO/FAC, 3D stealth view and includes an AAR and a SAF model all in a common virtual training environment to engage in virtual combat scenarios. DVTE will deliver individual and team training simulations, including the Marine Corps Family of Tactical Decision-making Simulations. This effort expands the original prototype DVTE demonstrated in 2001.

Schedule for FY06 Funds

Draft RFP Released	**17 Apr 06**
Pre-Solicitation Conference	**25 Apr 06**
Final RFP Released	**02 Jun 06***

*** or as soon thereafter when funds become available**

Proposals Due	**07 Jul 06**
Contract Award	**11 Aug 06**

Program Funding

RDT&E:	**FY06**	**$12.0M**
PMC:	**FY06**	**$2.0M**
OMMC:	**FY06**	**$6.0M**

- **Outyear funds are anticipated for full fielding**

Contractor Operation and Maintenance Services – FY06 Re-Compete







The FY06 re-compete to provide Contractor Operation and Maintenance Services (COMS) for ground training devices, simulators and training ranges located at Camp Pendleton, MCAS Miramar, Marine Corps Bases Hawaii and Japan.

Schedule

RFP	**5 Apr 06**
Proposal Submissions	**5 May 06**
Contract Award	**Mid-Jun 06**
Mobilization/Activation	**3 Jul 06**
Contractor startup	**1 Aug 06**

Competitive Small Disadvantaged Business Set Aside

Program Funding - $1.9M annually

Program Period of Performance
Aug 2006 through Aug 2011,
(1 year award with 4 – 1 year options)

Contractor Operation and Maintenance Services – 29 Palms, CA







The FY07 re-compete to provide Contractor Operation and Maintenance Services (COMS) for the ground training devices, simulators and training ranges located at the Marine Corps Air Ground Task Force Training Center Twenty-Nine Palms, CA.

Schedule

Draft RFP	**Jan 07**
Pre-Proposal Conf & Site Survey	**Feb 07**
RFP	**Apr 07**
Contract Award	**Mid-Jun 07**
Mobilization/Activation	**1 Jul 07**
Contractor startup	**1 Aug 07**

Competitive Small Disadvantaged Business Set Aside

Program Funding – between $3M and $5M annually

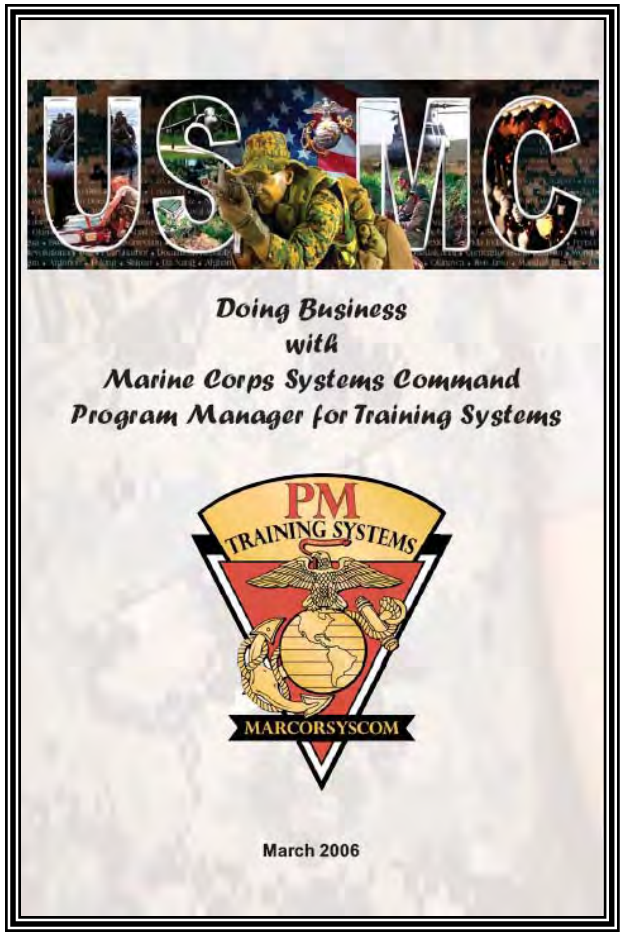
Program Period of Performance
Jul 2007 through Jul 2012,
(1 year award with 4 – 1 year options)

Doing Business with PM TRASYS

- **Contact**

  Mr. Brian Kummer
  Business & Operations Manager

- **PM TRASYS Contact Info:**
  - **Phone: 407-381-8762**
  - **Email: pmtrasys@usmc.mil**
  - **Website: www.marcorsyscom.usmc.mil, select "TRASYS"**



Marine Aviation Training Systems

- **Upcoming Aircrews & Maintenance Training Systems for: V-22, H-1, CH-53E/CH-53K, VH71, and KC-130J**

- **Further Information will be provided by NAVAIR Orlando as part of the Team Orlando APBI**
  - **6 - 8 June 2006**
  - **Rosen Centre Hotel, Orlando, FL**
  - **For APBI details, go to the Schedule of Events at www.ndia.org**

I / ITSEC 2006

Interservice/Industry Training, Simulation and Education Conference

2005 STATISTICS

- ✶ *16,854 total registrants, one of the top 200 conferences in the U.S.*
- ✶ *1,931 international attendees from 47 countries*
- ✶ *156 technical papers, 20 tutorials / 7 special events*
- ✶ *162,000 Sq Ft with 549 exhibitors spanning the spectrum: small business, Government agencies, academia, large industry and international*

www.iitsec.org

2006 Theme: Training the 21st Century Joint Force…..

……Mission Focused to Achieve Warfighting Excellence

✶ ***4 – 6 December 2006*** ✶

Orange County Convention Center, Orlando, FL

Questions



Ground Transportation, Engineering Systems Product Group 15 Overview

Mr. Lindo Bradley, Product Group Director

- The mission of PG – 15 is to:

"Provide the Operating Forces with superior acquisition and life cycle management of tactical ground transportation, power generation, stored power and combat engineer systems."

- PG-15 will provide total "Life cycle management" on our projects. We will be providing total support until peace breaks out!
- Acquisition delivery time is our metric – we need to buy and deliver in an expedient fashion
- PG – 15 needs your tested and proven products on federal purchasing schedules so that we can execute quickly

Product Group Principals:

PM Motor Transport: Col Sue Schuler, 703-432-3683

PM Engineering Systems: Mr. Bill Macecevic, 703-432-3598

PM Expeditionary Power Systems:Mr. Mike Gallagher, 703-432-3572

Strategic Business Team (SBT)

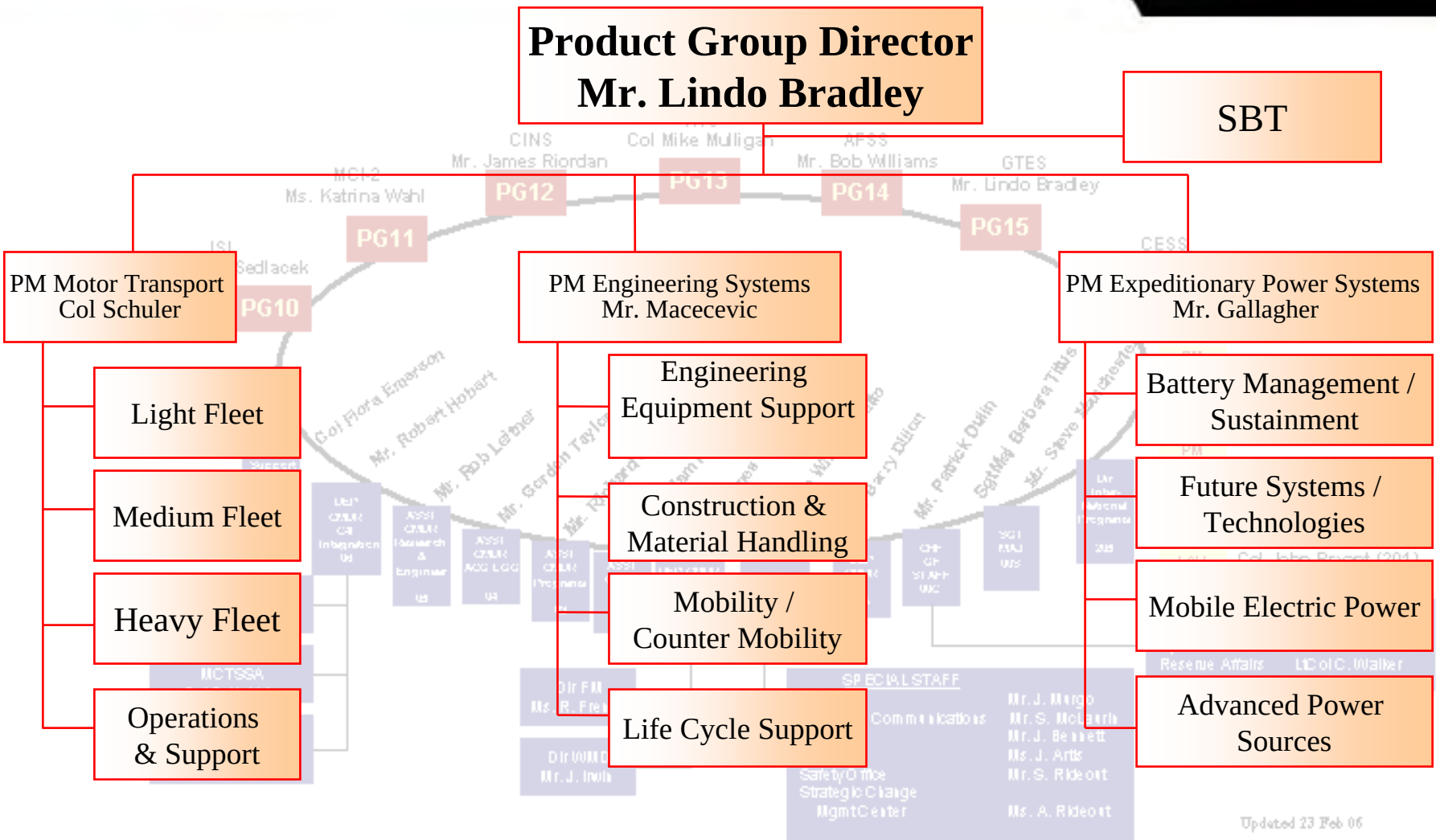
- Business Manager: Maj Daniel Sparks
- Contracts Manager: Ms. Peggy Hake
- Lead Financial Manager: Ms. Michelle Cresswell
- Lead Engineer: Ms. Julie Redfern
- Lead Logistician: Ms. Natalie Boddy
- Lead Technologist: Mr. Scott Storey

Product Group Total Funding: $1,177.6

Appropriations Spending Breakout:

Appropriations	FY 06	FY 06 Supplemental	FY 07
RDT&E	7.5	0	14.4
O&MMC	11.6	0	11.4
PMC	293.4	544.4	294.9

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Ground Transportation, Power & Engineer Systems Product Group

Motor Transport

Col Sue Schuler - Program Manager

Major Jim Washburn- Operations Officer

Description:

- Management and Support of tactical wheeled vehicle motor transport assets
- Material developer of motor transport assets:
  - Research & development
  - Acquisition
  - Provisioning & sustainment
  - Disposal

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Appropriations	FY 06	FY 06 Supplemental	FY 07
RDT&E	$3.0M	0	$8.2M
O&MMC	$3.6M	0	$8.1M
PMC	$136.4M	$1.08B	$200M

Current/Ongoing Program Initiatives

- **Vehicle hardening**
- **Transition from HMMWVA2 to HMMWV M1151/1152**
- **Lightweight Prime Mover**
- **Logistics Vehicle System Replacement**
- **Flatrack Refueling Capability**
- **MTVR Tractor**
- **Joint Light Tactical Vehicle- CTV & C2 variants UMSC lead**

Discussion Topics

- ***Vehicle safety initiatives***
- ***Urgent requirements process***

Ground Transportation, Power & Engineer Systems Product Group

Expeditionary Power Systems

Mr. Mike Gallagher

Program Manager

Description:

- Life Cycle Manager for non-unique Power Systems across the Marine Corps
- Tactical Power Generation (IAW DoD Joint Operating Procedures)
- Mobile Electric Power Distribution
- Battery Management and Support Systems
- Advanced / Alternative Power Sources
- Family of General Purpose Power Supplies
- Environmental Control Equipment & Refrigeration system
- Integrated Power Generation - Environmental Control - Trailer System
- Floodlights

Appropriations	FY 06	FY 06 Supplemental	FY 07
RDT&E	$1M	0	$1M
O&MMC	< $1M	0	<$1M
PMC	$25M	$47M	$15M

Near-Term Program Initiatives

- **Integrated Generator-Trailer-Environmental Control**
- **Small Environmental Control Unit for HMMWV Shelter**
- **Next Generation Refrigerant / Recovery / Recycling**
- **Advanced Power Generation (via Office of Naval Research)**
- **Solar Power Adaptors - Multiple**
- **SBIR Topics**
  - **Man-Portable Power Unit**
  - **State-of-Charge Indicator for Zinc-Air batteries**

Open Discussion Topics

- ***Non-Standard Generators***
- ***Commercial based means of procurement***

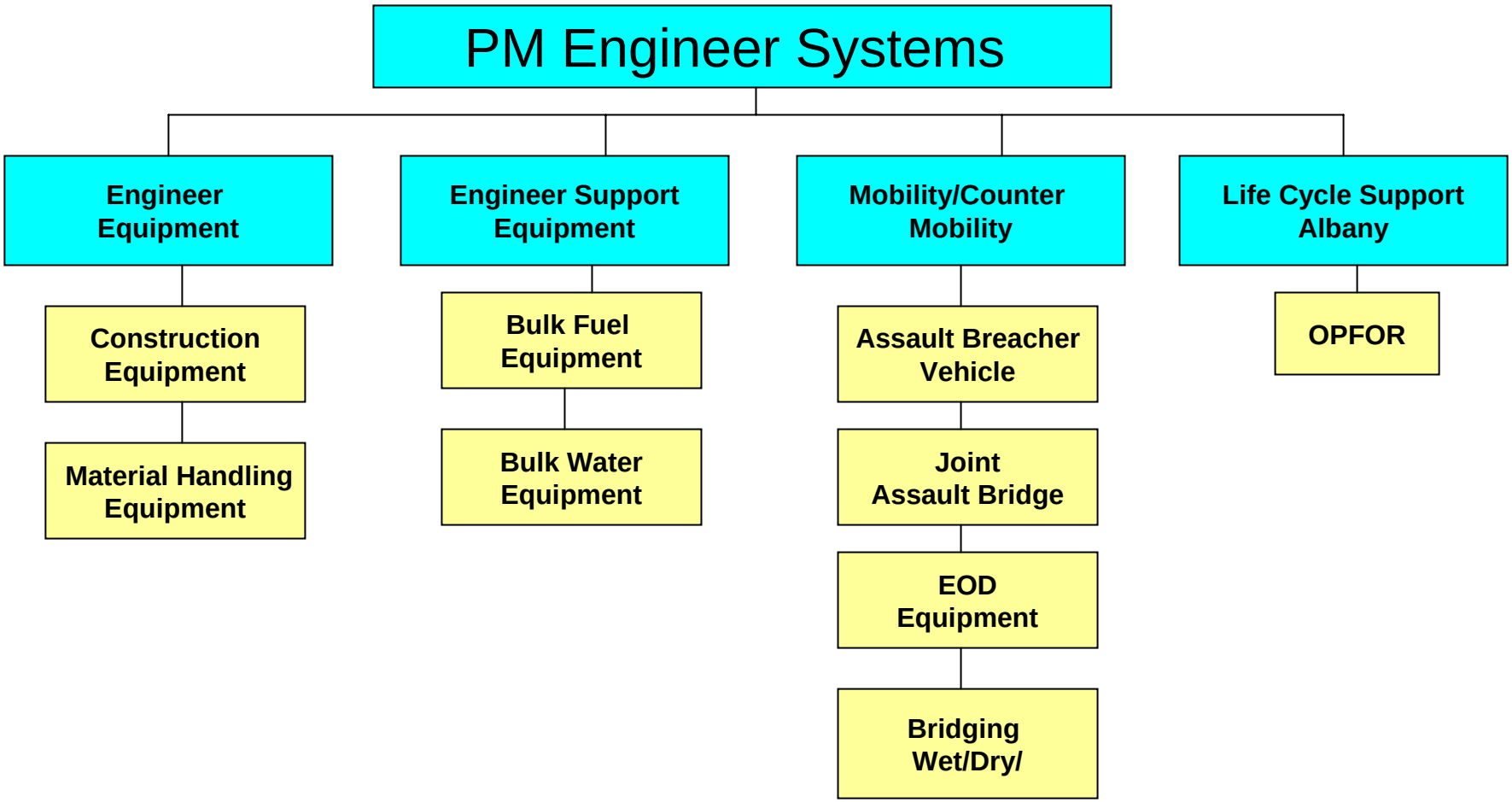
Ground Transportation and Engineer Systems

Product Group 15

Engineer Systems

Mr. William Macecevic

Program Manager


PM Engineer Systems
Engineer Equipment
Construction Equipment
Material Handling Equipment
Engineer Support Equipment
Bulk Fuel Equipment
Bulk Water Equipment
Mobility/Counter Mobility
Assault Breacher Vehicle
Joint Assault Bridge
EOD Equipment
Bridging Wet/Dry/
Life Cycle Support Albany
OPFOR

Advanced Planning Briefing to Industry 2006

Appropriations	FY 06	FY 06 Supplemental	FY 07
RDT&E	$5.6 M	0	$5.3 M
O&MMC	$5.0 M	0	$3.9 M
PMC	$83.9 M	$54.7 M	$83.2 M

Near-Term Program Initiatives

- TRAM
- D-7
- OMNIBUS FUEL/WATER COMPONENT
- LINEAR DEMOLITION CHARGE SYSTEM
- EOD EQUIPMENT

Future Program Initiatives

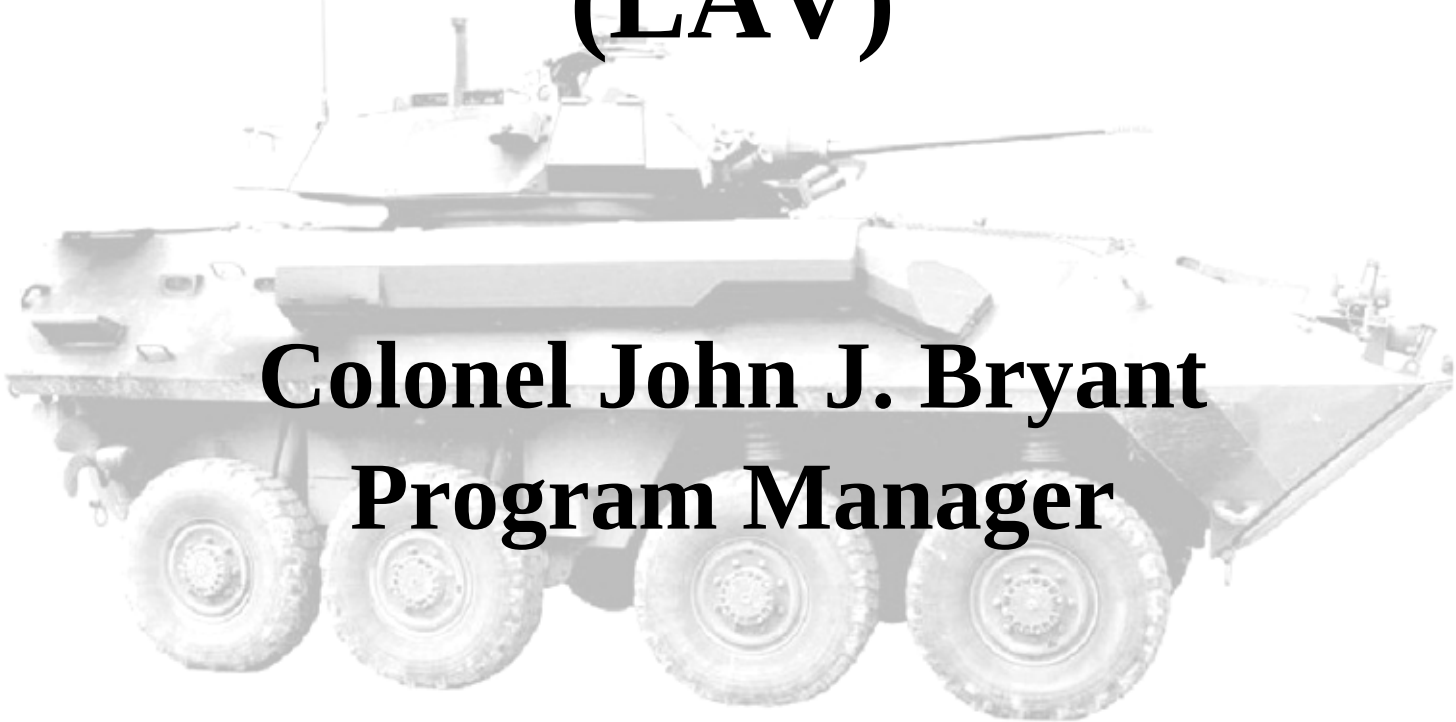
- POM-08 & SUPPLEMENTAL

Discussion Topics

- MARKET RESEARCH
- LOGISTICS SUPPORTABILITY

Panel Question and Answer Period

Light Armored Vehicles (LAV)



Colonel John J. Bryant
Program Manager

Program Manager Light Armored Vehicles

- Our Mission - Provide research, development, acquisition and life cycle support for USMC Light Armored Vehicle family of vehicles.
- Our Customer – LAR Battalion (conducts reconnaissance, security, and economy-of-force operations and, within capabilities, conducts limited offensive or delaying operations that exploit the unit's mobility and firepower
- Our Location – MARCORSYSCOM program office located and supported by USATACOM, Warren MI
- Our Product – A wheeled armored combat vehicle with a 20-year history in the field with another 20 years of upgrades and sustainment on the horizon

Advanced Planning Briefing to Industry 2006
Independent Program Managers

PROGRAM MANAGER
Col John J. Bryant
(586) 574-8339

OPERATIONS
Maj Innes Quiroz/
GySgt Jeff Jones
(586) 574-8889

DEPUTY PROGRAM MANAGER
Dr. Robert Lusardi
(586) 574-8338

EXEC OFCR
Suzanne Miller
(586) 574-8340

BUS MGT
Janet Boatman
(586) 574-8345

CONTRACTS
William Abramson
(586) 574-8350

SUSTAINMENT/ READINESS
Carl Zink
(586) 574-8369

LAV UPGRADES/INT'L
Joseph Wagner
(586) 574-8355

LAV A2
Michael Bierlein
(586) 574-8365

LMS
Marva White
(229) 639-6442

ITSS
Linda Passeri
(586) 574-3914

SLEP BASIC
Harry Davis
(586) 574-5403

LAV C2
William Ross
(586) 574-8349

SANG
James Streberger
(586) 574-3916

PM LAV Total FY06 Funding: $234.9M

Appropriations Spending Breakout:

Appropriations	FY 06	FY 06 Supplemental	FY 07
RDT&E	$12M	$0	$5.5M
O&MMC	$2.4M	$0	$2.9M
PMC	$138.5M	$82M	$26M

USMC LAV Modernization Plans

- LAV SLEP Status
- Funded Programs
  - LAV-C2 Upgrade
  - LAV-25 Lethality Upgrade
  - OIF Upgrades
  - Five New Companies
- Future LAV Programs
  - Survivability Upgrades
  - LAV-Anti-Armor System
  - LAV-EFSS (Expeditionary Fire Support System)

LAV SLEP Status

- Improve survivability, sustainability and lethality - extend service life to 2015
  - Basic SLEP
    - Electrical/electronics, control panels, corrosion control, and tire/wheel upgrades; thermal signature reduction
    - Prime contractors: Metric Systems, Hutchinson Industries
    - Milestone III decision/production award: Apr 02
    - IOC: 2Q FY04 FOC: 1Q FY06
  - Improved Thermal Sight System
    - 2nd Gen thermal sight, laser rangefinder, far target location, fire control
    - Prime contractor: Raytheon
    - FRP milestone/award production option 4QFY 05
    - IOC: 1Q FY07 FOC: 1Q FY10

Funded Programs
LAV Command & Control (LAV-C2) Upgrade

- LAV-C2 Upgrade provides:
  - Ability to operate on-the-move
    - MAGTF digital C4I systems
    - Doctrinal voice command and control nets
    - for a separate battalion in a Marine Division
  - SATCOM on-the-move
  - Dependable HF on-the-move
  - Intercommunications system
  - “Hooks” for JTRS
- Two Contractors
  - Northrop Grumman
  - Lockheed Martin

Funded Programs
LAV-25 Lethality Upgrade

- LAV-25 Lethality Program will provide
  - Depleted uranium armor piercing round for LAV-25
    - Software upgrade to ITSS for D/U ballistics
    - Gun and recoil system upgrades to handle D/U round
    - Ammo, gun upgrades are already fielded for Bradley
    - Allows LAV-25 to penetrate more threat vehicles
    - USMC will continue to employ the current 25mm APDS-T round, but will obtain the flexibility to fire D/U when required to defeat more advanced threat vehicles



Funded Programs
OIF Upgrades

- LAV OIF Upgrades
  - Automatic Fire Suppression
  - Add-on Armor
  - 2nd Generation Suspension
  - Electric Turret Drive
- Contractors
  - Kidde Dual Spectrum
  - ARMATEC
  - GDLS



Funded Programs
Five New Companies

- Five New Companies
  - USMC approved LAR structure increase of five companies
  - 120 new LAVs
    - Incorporate SLEP Upgrades
    - Incorporate OIF Upgrades
  - Prime Contractor: GDLS

The Future of LAV?

- USMC LAV projected to remain in service until 2024 (replaced by MAGTF Expeditionary Family of Fighting Vehicles (MEFFV)
- LAV family of vehicles must remain
  - Effective in the face of increasing threat capabilities
  - Supportable in the face of increasing age
- The challenge: How much survivability, lethality and mobility can be packed into an air-transportable, swim-capable LAV?
- The POM initiatives:
  - Survivability Upgrades
  - LAV-Advanced Anti-Armor System
  - LAV-EFSS (Expeditionary Fire Support System)

Future LAV Programs
LAV Survivability Upgrades

- LAV Survivability Upgrades will provide
  - Mine Protection
    - Protected seats
    - Hull/deck reinforcement
  - Active Protection System
    - Close-in hand held rockets
    - ATGM
    - “B” kit developed as HTI Program by PM MEFFV
    - “A” kit developed by PM, LAV
- System Development and Demonstration 3 years
- Production and Deployment 4 years
- POM 08 initiative

Future LAV Programs
LAV Advanced Anti-Armor System

- LAV-AT deficiencies: Firing cycle time, corrosion, obsolescence
- Strategy: Replace 95 Emerson 901A1 turrets with LAV-25 "Saddlebag TOW" turrets
- System Development and Demonstration 3 years
- Production and Deployment 4 years
- Un-funded in POM '06 – Recompete for POM '08

Future LAV Programs
LAV Expeditionary Fire Support System

- LAV-M 81mm mortar has inadequate range, lethality, engagement cycle time
- Strategy: Replace 50 LAV mortars by integrating 120 mm rifled mortar and fire control system into existing LAV-M platforms.
- System Development and Demonstration 3 years
- Production and Deployment 4 years
- Un-funded in POM ’06 – Recompete POM ‘08

Major General William Catto

Commander

Marine Corps Systems Command

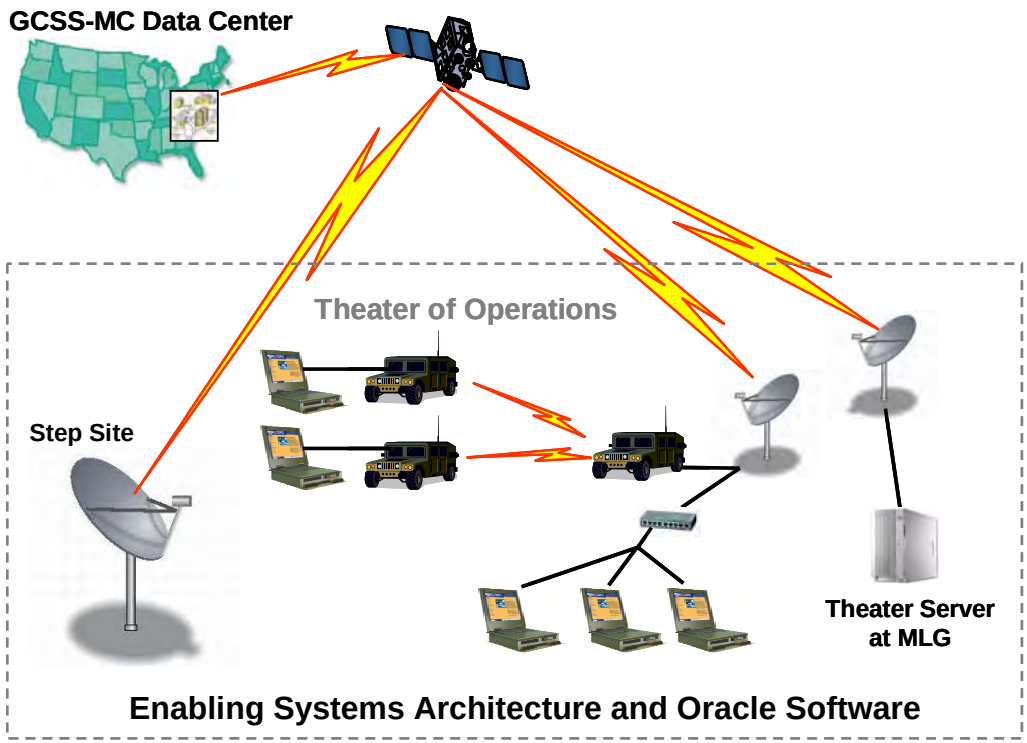
Program Manager
Global Combat Support System,
Marine Corps
(PM GCSS-MC)

Mr. Randy Delarm

13 April 2006

Background & Information

- Delivering enabling software that will change the business model for expeditionary support
- Oracle 11i eBusiness suite acquired August 04; Systems Integrator scheduled for award 1st Qtr FY 07
- Industry is steady partner beginning with Pre-Milestone A activities
- GCSS-MC will transform the logistics model into 21st Century capabilities focused on warrior needs



"We can't improve the combat effectiveness of the MAGTF without this."

-General Michael Hagee,
33rd Commandant of the Marine Corps

Principal Program Staff

Program Manager
Mr. Randy Delarm
(703) 441-4958
randy.delarm@usmc.mil

Deputy Program Manager
LtCol William Parker
(703) 441-4064
William.j.parker@usmc.mil

Office Manager
Ms. Jume Russell
(703) 432-5091
jume.russell.ctr@usmc.mil

LCM Block 1
Scott Smid
(703) 441-4055
Scott.smid@usmc.mil

Portfolio Manager
Mr. Mark Jones
(703) 441-8267
Mark.jones1@usmc.mil

GCSS-MC South, Legacy Systems
Ms. Shirley Lemon
(229) 639-7132
Shirley.lemon@usmc.mil

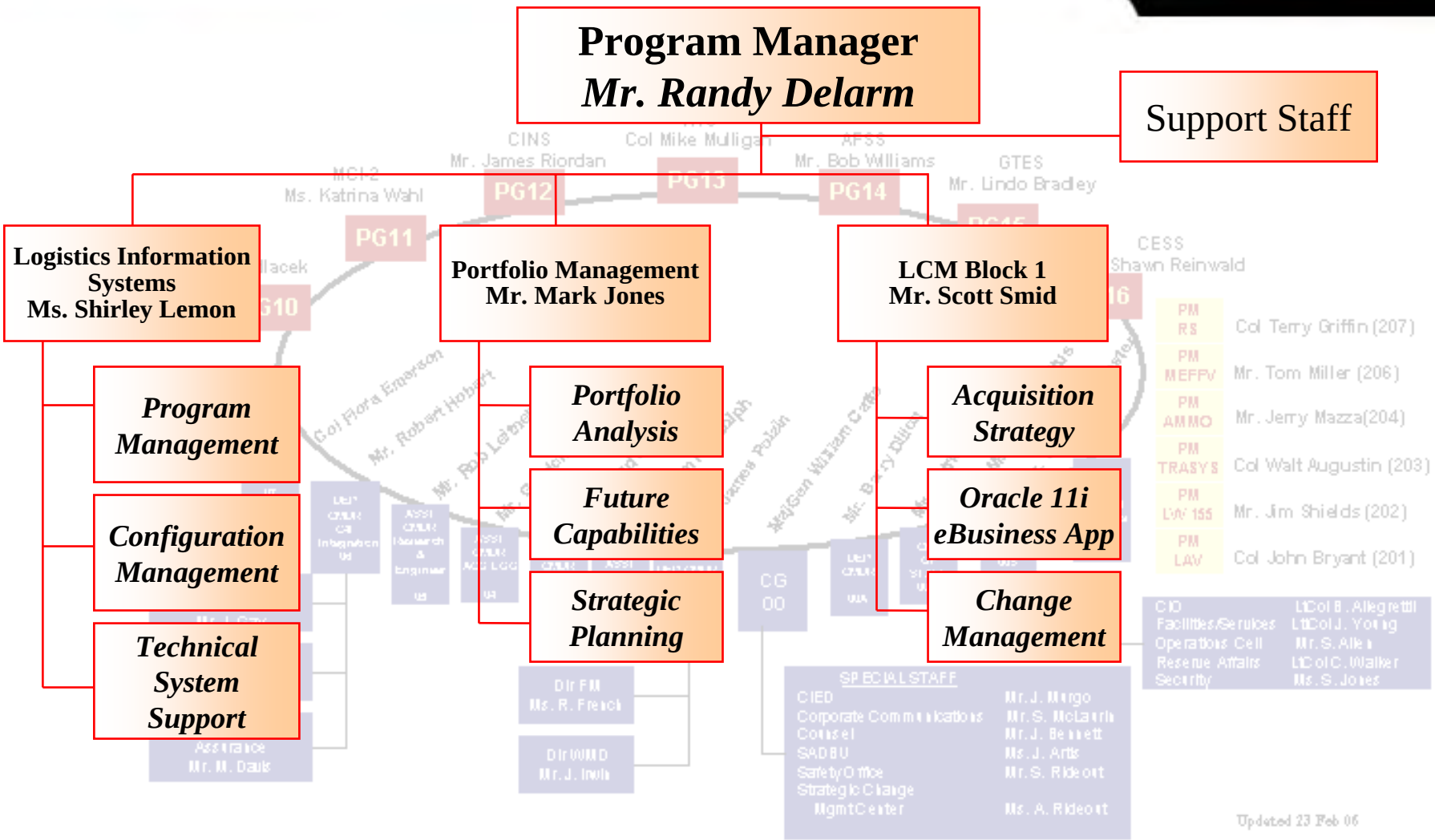
Contracting Officer
Ms. Sue Banach
(703) 441-6432
Susan.banach@usmc.mil

Program Manager Total Funding: $103 M

Appropriations Spending Breakout:

Appropriations	FY 06	FY 06 Supplemental	FY 07
RDT&E	$13.7 M	$0	$31.4 M
O&MMC	$12.3 M	$14.6 M	$16.5 M
PMC	$13.5 M	$1.0 M	$0

Advanced Planning Briefing to Industry 2006
Independent Program Managers



Key Initiatives

- ***Operational Analysis Task Order***
  - 2nd Qtr FY 06, Oracle Corporation
- ***Portfolio Management Board***
  - 3rd Qtr FY 06
- ***Milestone B OIPT***
  - 1st Qtr FY 07
- ***Systems Integrator Award***
  - 1st Qtr FY 07
- ***Renewal of Sustainment Contract for Legacy Logistics Systems Support***
  - 2nd Qtr FY 07
- ***Conference Room Pilots***
  - 2nd Qtr FY 07
- ***PDSS RFQ***
  - 3rd Qtr FY 08

Closing Remarks

- GCSS-MC remains leading enabler for enterprise change
- Program continues to receive complete support and is on track to deliver software during early 1st Qtr FY 09
- Failure is not an option; program must succeed to deliver increased battlefield effectiveness during the 21st Century

Mr.Barry Dillon

Deputy Commander

Marine Corps Systems Command



MARCORSYSCOM Vendor Information Resource on the Internet

Provided by:
Susan Doss
Deputy CIO, Marine Corps Systems Command
Susan.t.doss@usmc.mil
703-432-3070



- Provides a single access point for vendors seeking to do business with the USMC and Marine Corps Systems Command.

- Demonstrates how MARCORSYSCOM does business, explains our acquisition process, and provides insight on how the Marine Corps is organized and equipped.

- Links vendors directly to the opportunities available through the MARCORSYSCOM, USMC, and the Federal Government.

Vendor Information

Welcome to the MarCorSysCom Vendor Information Page

MCSC Home
Vendor Home
Search
Feedback
Site Map
Help

Mission
To provide a single information and access point for vendors seeking to do business with the USMC & Marine Corps Systems Command (MARCORSYSCOM). This site explains the MARCORSYSCOM acquisition Process, demonstrates how MARCORSYSCOM does business, provides links to related DoD and Federal Agencies, and provides insight into how the Marine Corps is organized and equipped. The site also provides links to resources that help vendors better understand concepts and programs the USMC is considering that may provide future business opportunities for the vendor community.

DPAP

Defense Procurement and Acquisition Policy (DPAP) has broad responsibility for acquisition policies. Our focus is on procurement and acquisition as an integrated acquisition process.

ACSS

ACSS is vested with the responsibility for developing, implementing and executing a comprehensive Advisory and Assistance Services (A&AS) program for the Marine Corps Systems Command. This consolidated office functions in an independent manner to coordinate requirements, establish contractual relationships, provide analytical and procurement planning services, and ensure appropriate regulatory compliance.

Contracts

Integrated with our program offices, we support Marine Corps Systems Command in developing and implementing integrated and innovative business solutions to meet the needs of warfighters/customers and expectations of taxpayers, drawing on the excellence of our people and our industry partners.

SADBU

Marine Corps Systems Command is responsible for providing research, development, and acquisition of equipment, information systems, training systems, and weapon systems to satisfy all approved material requirements of the Marine Corps.

Vendor News

- Advanced Planning Briefing to Industry Day on April 13 - 14
- See the past IDE Industry Day
- To assist with Hurricane Recovery follow these links: FedBizOpps, Job Connection and DHS Opportunities.
- If you know of any other links that would assist other vendors, please email us.

Vendor Information

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Marine Corps Systems Command Opportunities

ACSS

Acquisition Center for Support Services coordinates requirements, establishes contractual relationships, provides analytical and procurement planning services, and ensures appropriate regulatory compliance.

ACSS Enterprise Procurement Portal - A collaboration portal designed to enhance the efficiency and effectiveness of the task order award process. EP2 Vendor User Guide EP2 Customer User Guide

CEOss Informational Brief - Quick overview of the Commercial Enterprise Omnibus support services within the ACSS.

CEOss Frequently Asked Questions

Contracts

Develops and implements integrated and innovative business solutions to meet the needs of Warfighters/customers and expectations of taxpayers, drawing on the excellence of our people and our industry partners.

MarCorSysCom Business Opportunities - Synopsis, solicitations and amendments for requirements.

SADBU

Small and Disadvantaged Business Utilization is responsible for providing research, development, and acquisition of equipment, information systems, training systems, and weapons systems to satisfy all approved material requirements of the Marine Corps.

OMBUDSMAN

Provides information to parties interested in business opportunities at MARCORSYSCOM, serving as an advisor to the Commander on business issues affecting the Command, and ensuring that opportunities for competition are provided to all capable parties.

Top Resources

- DPAP - Defense Procurement and Acquisition Policy
- ACSS - MCSC Acquisition Center for Support Services
- Contracts - MCSC Contracts
- SADBU - MCSC Small and Disadvantaged Business Utilization
- NECO - Navy Electronic Commerce Online
- AT&L - Acquisition, Technology, and Logistics Knowledge Sharing System
- DoN Acquisition - DoN Acquisition One Source

Vendor Information

Provides guidance on policies and procedures for acquisition programs

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Policies

Federal Acquisition Regulation (FAR)

The Federal Acquisition Regulation System is established for the codification and publication of uniform policies and procedures for acquisition by all executive agencies. The Federal Acquisition Regulations System consists of the Federal Acquisition Regulation (FAR), which is the primary document, and agency acquisition regulations that implement or supplement the FAR.

Hill AFB

GSA

Defense Federal Acquisition Regulation Supplement (DFARS)

The Defense Federal Acquisition Regulation Supplement (DFARS) is the Department of Defense supplement to the Federal Acquisition Regulation (FAR).

Hill AFB

DPAP

DFARS PGI - DFARS PGI is being developed as a companion resource to the DFARS; a result of the DFARS Transformation effort chartered by the Under Secretary of Defense for Acquisition, Technology and Logistics (USD/AT&L). DFARS PGI is a new, web-based tool for the entire acquisition community to simply and rapidly access — via the World Wide Web — non-regulatory Department of Defense (DoD) procedures, and guidance and information relevant to FAR and DFARS topics.

DFARS Changes

DAPC

Defense Acquisition Policy Center (DAPC) - DoD Directive 5000.1 and Instruction 5000.2

DoD SADBU

Policies, Regulations, and Orders pertaining to Small and Disadvantaged Businesses desiring to do business within the DoD.

Top Resources

- **DPAP** - Defense Procurement and Acquisition Policy
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Vendor Information

Provides tutorials and references to assist in the knowledge of the acquisition process

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Guidebooks & Resources

AT&L

AKSS stands for Acquisition, Technology, and Logistics Knowledge Sharing System. Your window to DoD knowledge, the AKSS provides the right information, in the right place, at the right time. The AKSS supplies mandatory acquisition reference documents and a wealth of other relevant acquisition resources.

Complete listing of Guidebooks and Handbooks

NECO Vendor User Guide

A "How To" on using the Navy Electronic Commerce Online (NECO) website.

Defense Acquisition Guidebook

The purpose of the Guidebook is to provide members of the acquisition community and our industry partners with an interactive, on-line reference to policy and discretionary best practice.

DAG Tutorial

DCMA Guidebook

DCMA Instruction / DCMA Guidebook

DoD Procurement Technical Assistance Program (PTAP)

PTA Centers are a local resource available at no or nominal cost that can provide assistance to business firms in marketing products and services to the Federal, state and local governments .

Guide to DoD Contracting Opportunities

This guide is for companies based in the United States.

Guide to DoD Contracting Opportunities

This guide is for foreign companies.

Industry-Government Partnering Resource Guide

The Industry-Government Partnering Working Group was created in August 1997 at the direction of Mr. John Douglass, ASN(RDA), to explore industry-government partnering opportunities within the Department of the Navy acquisition process. The working group developed this resource guide to document its findings and to provide information and examples related to industry-government partnering.

Top Resources

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- **Contracts** - MCSC Contracts
- **SADBU** - MCSC Small and Disadvantaged Business Utilization
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- **AT&L** - Acquisition, Technology, and Logistics Knowledge Sharing System
- **DoN Acquisition** - DoN Acquisition One Source

Tools

EP2

The Enterprise Procurement Portal (eP²) provides ACSS staff, Commercial Enterprise Omnibus support service (CEOss) vendors and PGD Customers with a collaboration portal designed to enhance the efficiency and effectiveness of the task order award process.

EP2 Vendor User Guide

EP2 Customer User Guide

WAWF

Wide Area Workflow – Receipts and Acceptance (WAWF) is a secure web-based system for electronic invoicing, receipt and acceptance. WAWF creates a virtual folder to combine the three documents required to pay a vendor – the contract, the invoice and the Receiving Report. The WAWF application enables electronic form submission of invoices, government inspection, and acceptance documents in order to support DoD's goal of moving to a paperless acquisition process.

Government User Smart Sheet

Web Based Training (WBT)

WAWF Test Site

WIFCON

Where in Federal Contracting? (WIFCON) serves the federal and state acquisition and the federal assistance community, including public and private organizations, by providing quick access to acquisition and assistance information such as contracting laws and pending legislation, current and proposed regulations, guidance, courts and boards of contract appeals, bid protest decisions, contracting newsletters, selected analysis of federal acquisition issues, federal assistance policy, daily listings of grants and cooperative agreements, archived listings of grants and cooperative agreements, and federal assistance sites.

PRBuilder

PR Builder is used to automate the front end phase of the procurement process, transmittal of the PR data to the contracting office, including importing into the Standard Procurement System (SPS), and to facilitate the procurement phase.

RPG

The Regulation, Policy, and Guidance (RPG) Comparison Tool allows you to simultaneously view subparts of the most current versions of the Federal Acquisition Regulation (FAR), the Defense FAR Supplement (DFARS), the DFARS Policy, Guidance and Information (DFARS PGI), the Navy Marine Corps Acquisition Supplement (NMCARS) and the Navy Marine Corps Acquisition Guide (NMCAG).

Turbo Streamliner

Turbo Streamliner is a repository of acquisition definitions, principles, best practices, lessons learned, references, sample contractual language, and related web sites.

Top Resources

- DPAP - Defense Procurement and Acquisition Policy
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- Contracts - MCSC Contracts
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United States Marine Corps Information

USMC Home Page

The United States Marine Corps Home Page

C4 Campaign Plan

This campaign plan explains how marine corps command, control, communications, and computers (c4) supports the marine corps advocates and marine forces in mission accomplishment. it provides an overview on how marine corps c4 fits into the overall global information grid (gig) architecture to connect personnel, systems, and information worldwide to achieve decision superiority.

Concepts and Programs

Concepts and Programs offers a "once across the Corps" perspective that includes a description of our conceptual view of warfighting, an overview of the operations of the past year, and an examination of the specific programs that will provide our Marines technologically superior weapons platforms, systems, and equipment.

HQMC

Headquarters, United States Marine Corps

PA - Marine Corps Public Affairs serves as a link between Marines and the public and must facilitate the instantaneous flow of information that is generated through the 24-hour news cycle, the Internet and cellular communications

MCCDC - The Marine Corps Combat Development Command develops Marine Corps warfighting concepts and determines associated required capabilities in the areas of doctrine, organization, training and education, equipment, and support and facilities (DOTES) to enable the Marine Corps to field combat-ready forces; and participate in and support other major processes of the Combat Development System (CDS).

Doctrine - The Marine Corps Doctrine Division coordinates development, publication, and maintenance of Marine Corps Service doctrine; coordinates Service input to the development, publication, and maintenance of joint, combined multi-Service, and naval doctrine; and participates in matters of standardization, terminology, and other combat development system processes.

LOGCOM - Marine Corps Logistics Command

PP&O - In both joint and service functions, the Plans, Policies, and Operations (PP&O) department is structured and chartered to serve as the Commandant's principle staff agency for the development and articulation of a wide spectrum of concepts, plans, and policies; and to direct and supervise execution and/or implementation of those policies.

The Marine Corps Warfighting Laboratory

The Marine Corps Warfighting Laboratory conducts concept-based experimentation to develop and evaluate tactics, techniques, procedures and technologies in order to enhance current and future warfighting capabilities.

Top Resources

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- Contracts - MCSC Contracts
- SADBU - MCSC Small and Disadvantaged Business Utilization
- NECO - Navy Electronic Commerce Online
- AT&L - Acquisition, Technology, and Logistics Knowledge Sharing System
- DoN Acquisition - DoN Acquisition One Source

- For Questions and Suggestions contact:

  - » Webmaster – Webmaster@mcsc.usmc.mil – 703-432-3063
  - » Corporate Communications Directorate – 703-432-3958

http://www.marcorsyscom.usmc.mil/Vendor/

QUESTIONS







The Navy and Marine Corps Team

Dr. Delores Etter
Assistant Secretary of the Navy
Research Development and Acquisition

13 April 2006

Outline

- Strategic Environment
- ASN (RDA) Vision and Goals
- Acquisition Volatility
- Success Story for Collaboration
- Resetting the Force
- Question/Comments



Strategic Environment

- Engaged in the Global War on Terrorism
- Quadrennial Defense Review
- Fiscal Challenges
  (FY07 Budget Submitted
  to Congress)





ASN (RDA) Vision

To provide weapons, systems and platforms for the men and women of the Navy/Marine Corps that support their missions and give them a technological edge over our adversaries.



ASN (RDA) Goals

- Expedite GWOT acquisition programs as much as possible without compromising safety.
- Reduce volatility in ongoing and current acquisition programs.
- Develop and investment/transition strategy for Science and Technology (S&T) to ensure future technological edge.
- Lead the Acquisition Enterprise component of the Naval Enterprise, in collaboration with OPNAV/HQMC and the fleet to include the Marines.





Acquisition Volatility

- Definition – tending to vary often or widely
- Program characteristics that affect acquisition program volatility:
  - Program complexity
  - Requirements fluctuation
  - Budget instability
  - Schedule demands
  - Contractor/PM optimism

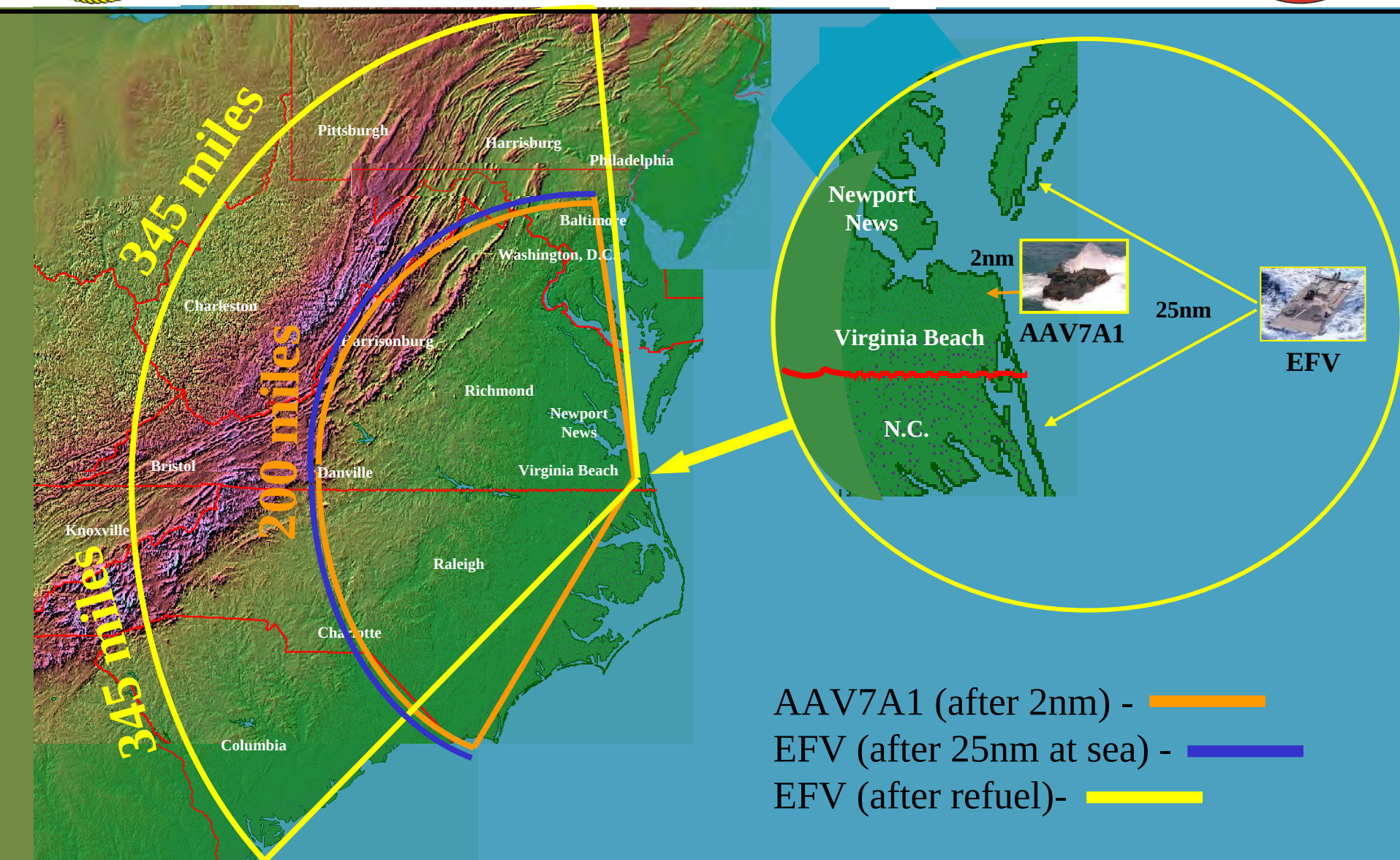


Next Generation Fighting Vehicle

- Existing platform – Amphibious Assault Vehicle (AAV7A1):
  - Transports Marines from amphibious ships to the shore
  - Provides firepower and transportation while ashore
- Next generation – Expeditionary Fighting Vehicle (EFV):
  - Faster – going from 7 knots to 39 knots for maximum water speed
  - Expanded operational reach – on land and in the water
  - Initial Operational Capability in FY2011



MOVE - OPERATIONAL REACH



Video of AAV and EFV









Success Story – Amphibious Assault Vehicle Turret Trainer (AAV-TT)

- Initiated by Marines from the 3rd Assault Amphibian Battalion, 1st Marine Division
- Collaborative program established between the Office of Naval Research and MCSC Program Manager Training Systems (PMTRASYS), leveraging work by ONR, DARPA, and the commercial gaming industry
- Urgent USMC need to prepare Marines for Iraq despite the lack of a live range where this training can be delivered







Success Story – Amphibious Assault Vehicle Turret Trainer (AAV-TT)

- The AAV-TT is a stand-alone trainer that uses a surplus AAV Turret and Indoor Simulated Marksmanship Trainer (ISMT) weapons (M-2 & Mk-19) to provide individual, crew, and section gunnery training
- System consists of instructor/operator station, driver station, AAV turret, and intercom system
- The Trainer uses commercial Windows and Linux PCs, government owned software and terrain databases, and a commercial game engine (Gamebryo)



AAV Turret Trainer prototype installed and training at Camp Lejeune, NC





Success Story – Amphibious Assault Vehicle Turret Trainer (AAV-TT)

- The ONR led development team included BMH (small business), Lockheed Martin, NAVAIR Orlando, and VRSonic (small business)
- In less than one year,

  the AAV Turret Trainer was developed and tested
- USMC is procuring 16 trainers from T.J. Incorporated (8A firm)







Successful Collaboration

- Rapid development of capability need to support GWOT
- Leveraged existing research and development efforts from industry and government
- Low cost development and acquisition due to leveraging and innovation
- Teaming of large industry, small business and government activities



Resetting the Force

- Definition: Reset means restoring /enhancing combat capability for Marine Corps Units impacted by GWOT:
  - –Approximately 30% of all Marine Corps ground equipment is being used in Iraq and Afghanistan
  - –High operational tempo and harsh environmental conditions are rapidly aging our equipment
  - –Unit readiness is degrading, due to higher usage of equipment than predicted, with subsequent repair and replacements needed.



Resetting the Force

- Example: Light Armored Vehicle estimated Service Life was 30 years in 2001.
  - Current estimate is 6 years for LAV's supporting Operations Iraqi Freedom and Enduring Freedom











Combat Equipment Losses









Summary

- Resetting the Force will be a challenge.
- Navy/Marine Corps and Industry working together can develop and field systems quickly to support the Warfighter.
- We need industry's commitment to quality products and their creativity to produce them at higher quantities at reduced costs.





Questions?





Marine Corps Programs & Resources

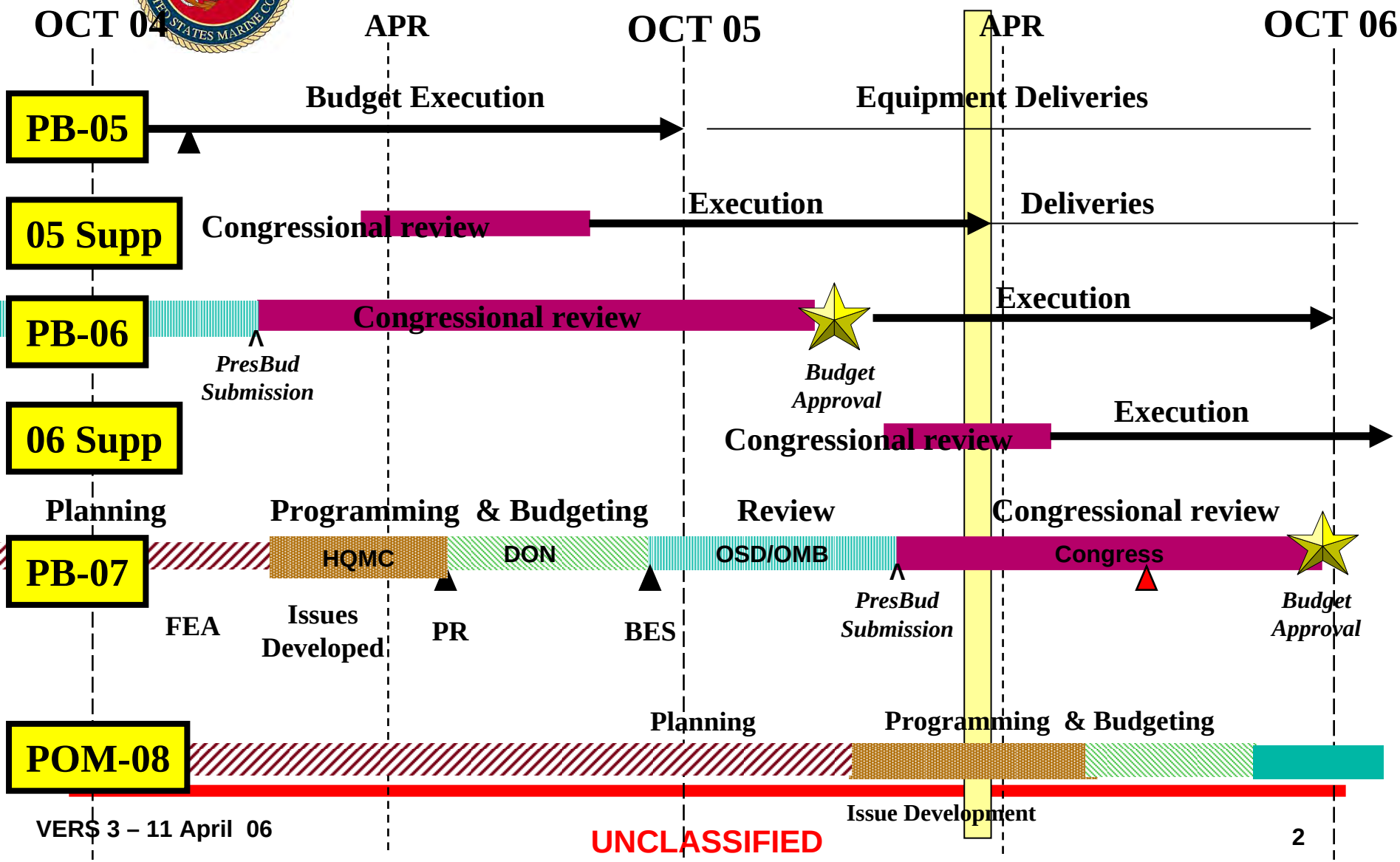
Investment & Resourcing Information and Strategies; Past, Present & Future

Brigadier General Raymond C. Fox, Director, Programs Division

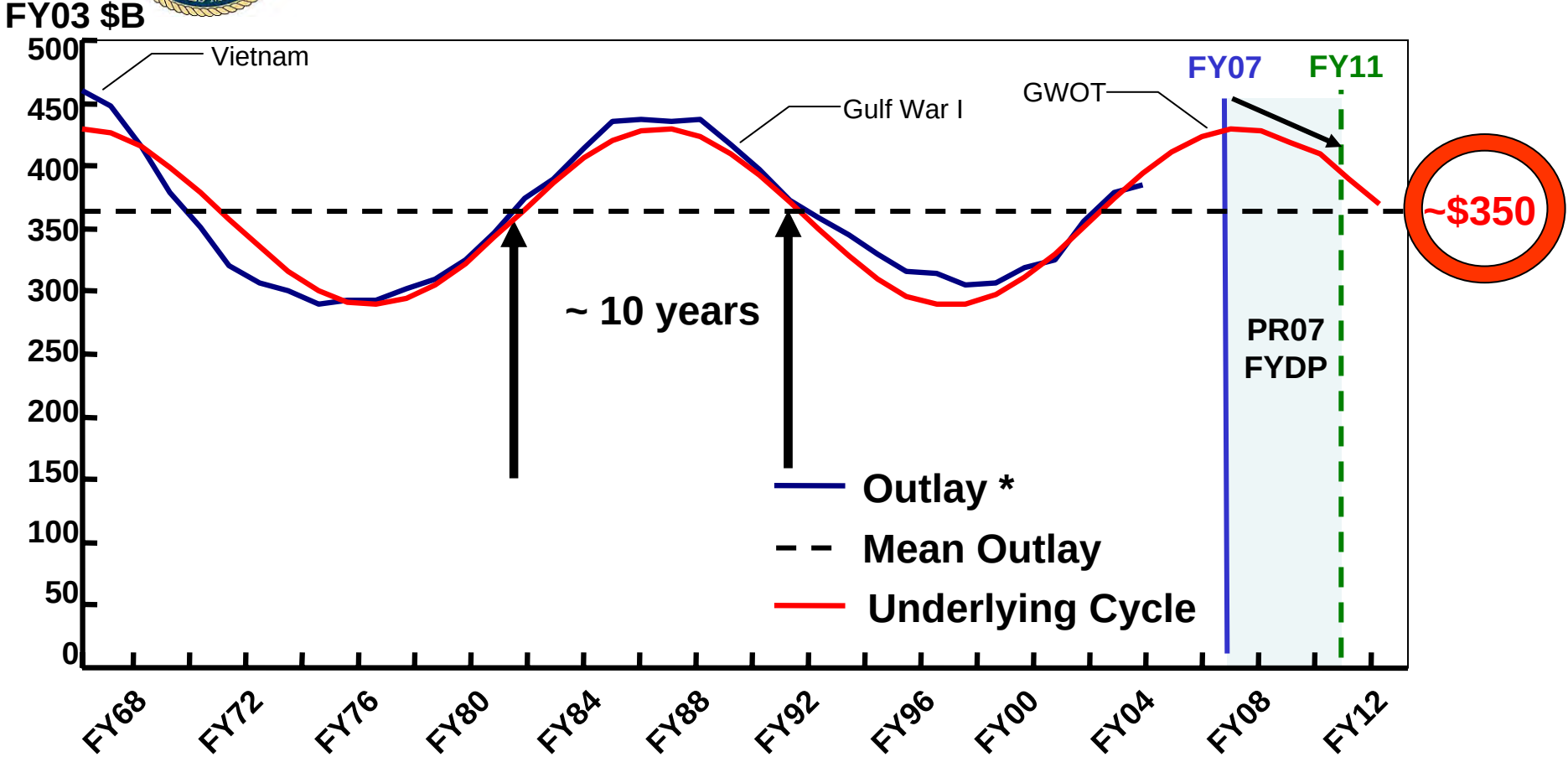
Deputy Commandant, Programs and Resources

14 Apr 06

Overlapping Budget Cycles



Strategic Challenges



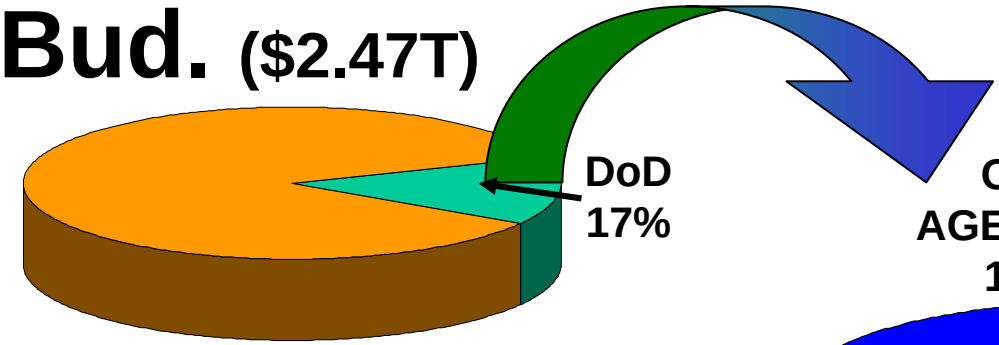
Source: CSBA (does not include Supplemental Outlays)

10-Year Cyclical DoD Outlays

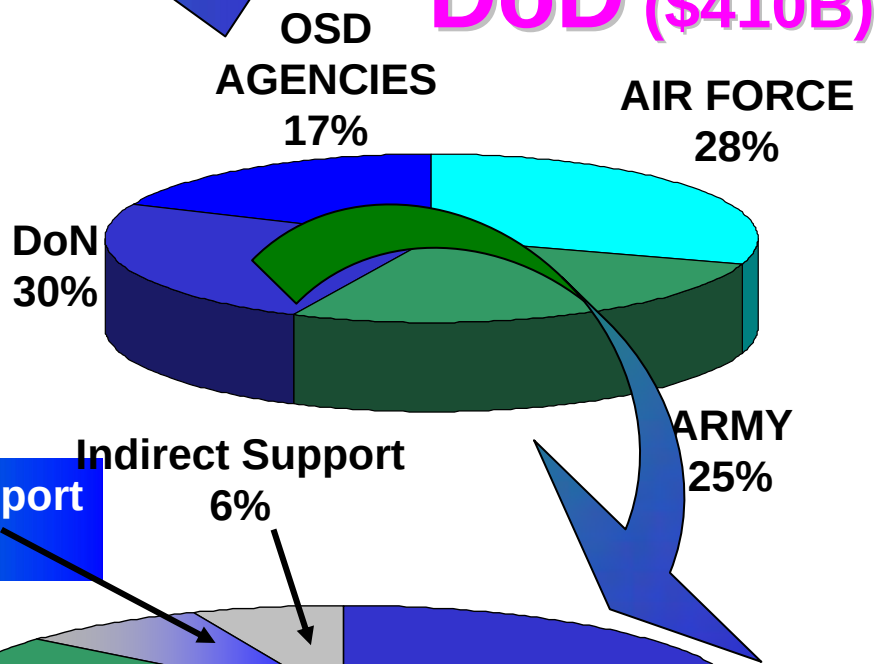
Macro Economics FY06

(Baseline)

Fed Bud. ($2.47T)



DoD ($410B)



USMC
~7% of DoD
TOA

Direct Support
8%

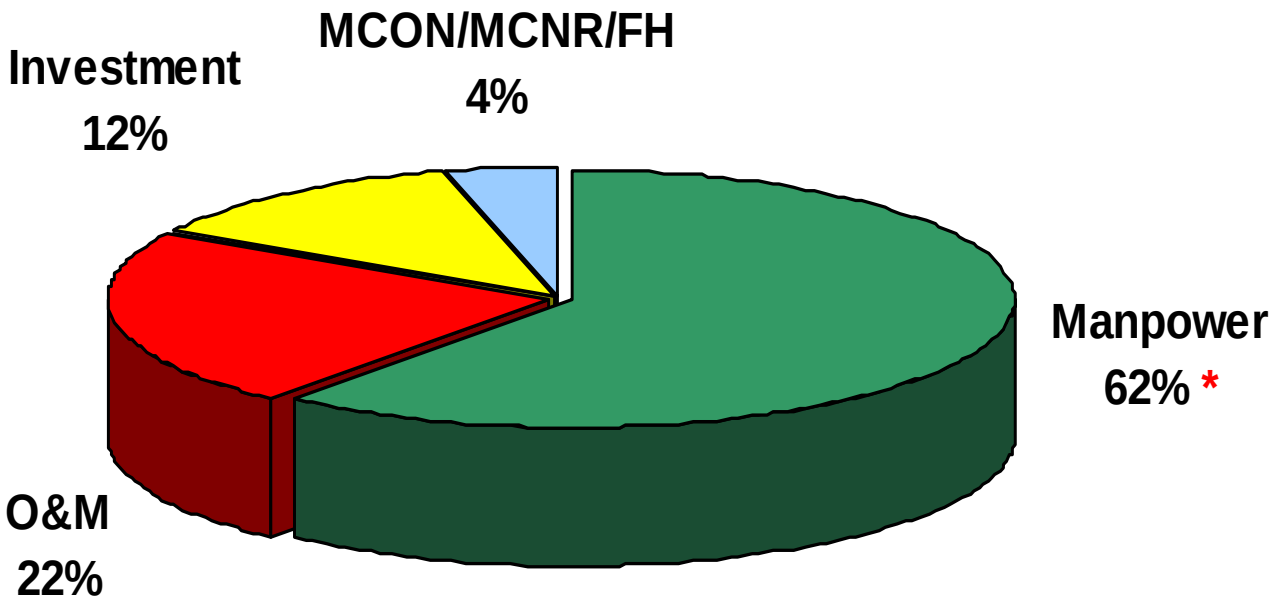
Indirect Support
6%

MARINE CORPS
"Green"
14%

(Green ($17.4B) &
Direct Supt ($9.5B))

DoN ($105B)

FY07 Funding Mix (FYDP)

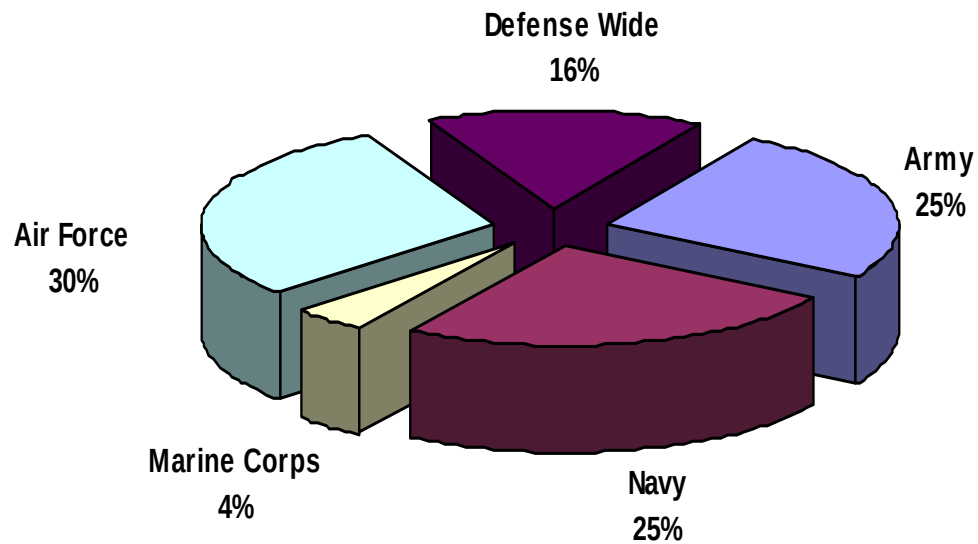


* At 180 K = 65-66%

FY07 Budget by Service

	FY 06	FY 07	Change	%
Army	99.1	111.8	12.7	12.8%
Navy	105.1	109.2	4.1	3.9%
Marine Corps	17.4	18.2	0.8	**4.6%**
Air Force	124.1	130.4	6.3	5.1%
Defense Wide	65.1	69.7	4.6	7.1%
TOTAL $B	**410.8**	**439.3**	**28.5**	

FY 07 Budget Request

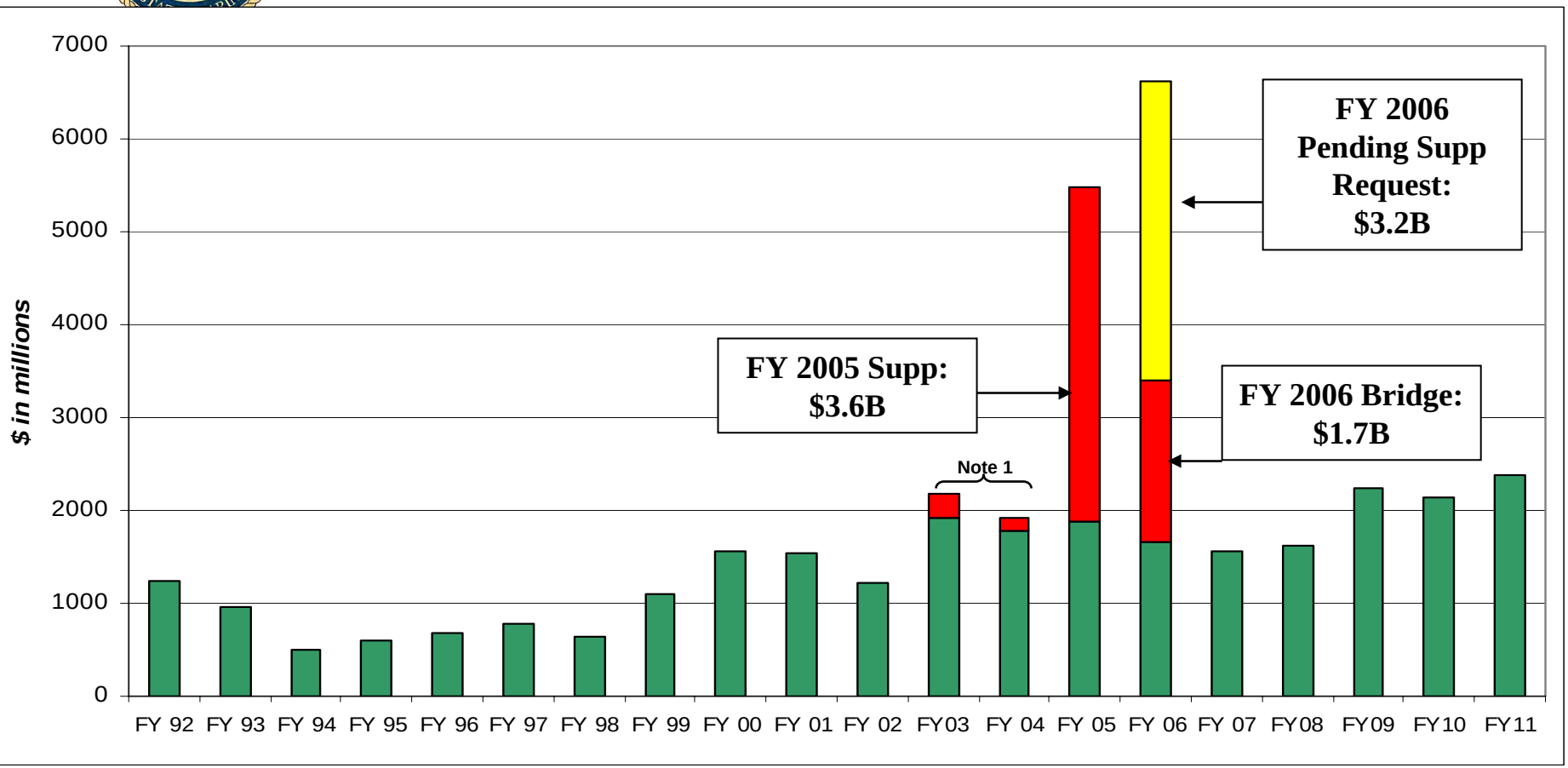


% of TOA Allocated to Manpower

USN	**~ 21 %**
USMC	**~ 62 %***
USA	**~ 41 %**
USAF	**~ 23 %**

*** At 180 K = 65-66%**

Historical Ground Procurement Summary *

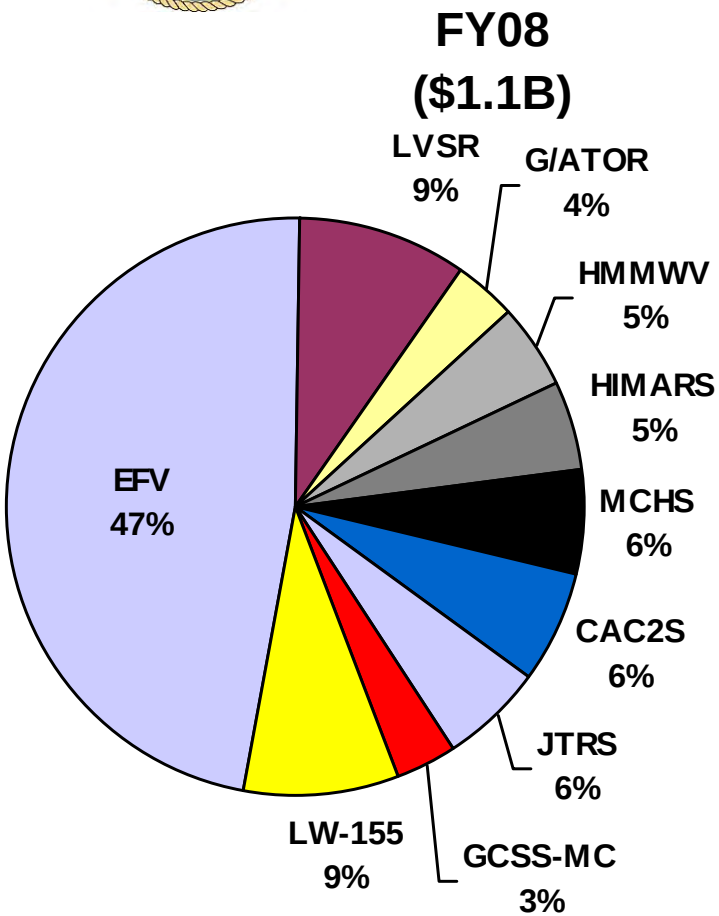


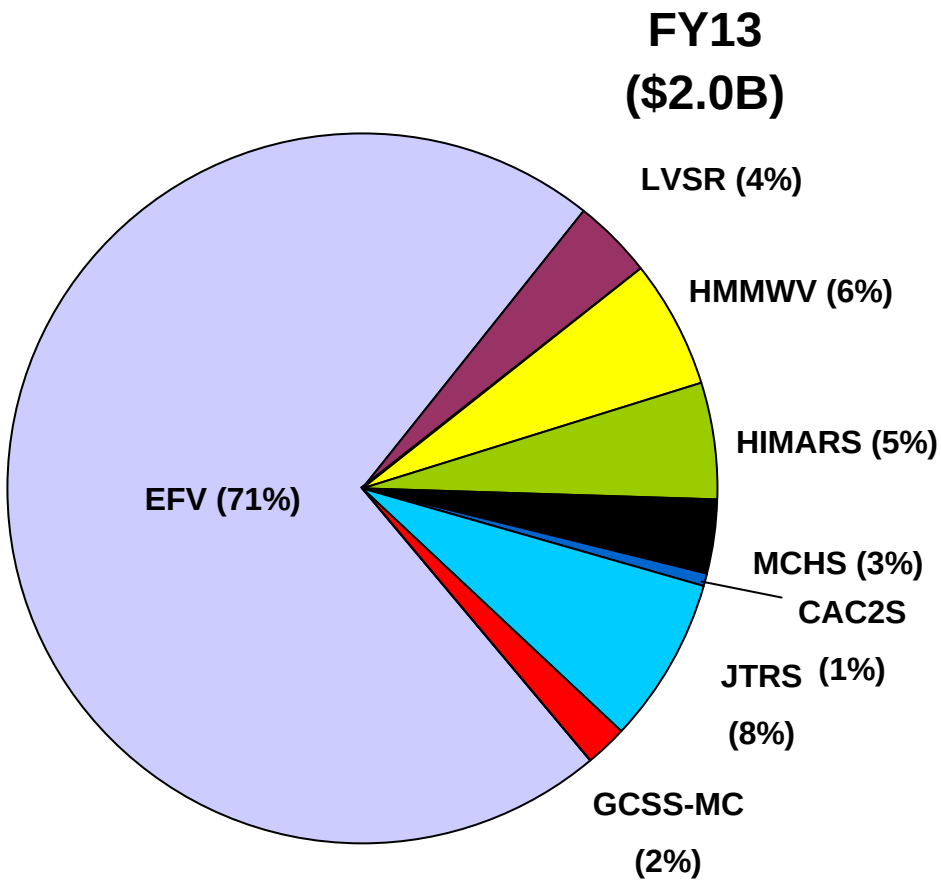
Baseline $	1.2	1.0	0.5	0.6	0.7	0.8	0.6	1.1	1.6	1.5	1.2	1.9	1.8	1.9	1.7	1.6	1.6	2.2	2.1	2.4

** Includes PMC and PANMC in Constant FY 07 $* *Note 1: FY 03 Supp: $260M, FY 04 Supp: $123M*

Green Investment Program

Top 10 Investment Systems at PresBud 07





Pressures on TOA

- INTERNAL
  - CMC 'Redlines'
  - O&M cost increases
    - OSD assumes 2.5% Annual increase
    - USMC 3-5% annual increase
  - Manpower Bills
    - End strength increase is $230M/yr
- EXTERNAL
  - OSD Offsets (USMC pays 6 percent)
  - QDR
  - MARSOC
  - Hurricane Katrina

Conclusions

- O&M, Manpower, and external budget pressures continue to increase
- USMC will not receive a significant increase in investment dollars in the future
- Investment accounts pay the offsets, not other services, not supplementals



Questions?

Acquisition Needs and Trends for the Coming Decade

The Honorable Jacques S. Gansler

Professor and Roger C. Lipitz Chair
Center for Public Policy and Private Enterprise
School of Public Policy
University of Maryland

April 13, 2006

Some Broad Trends

- High, and growing unit costs
- Longer product realization cycles
- Non-state-of-the-art logistics
- Non-state-of-the-art business systems
- Cost for services are very high
- Inadequate military equipment reliability
- Large, and growing, operations and maintenance costs

Changes that are Driving Acquisition Reform Today

- Domestic Economics
  - Debt, Medicare, Social Security, Supplementals
- Threat Changes
  - Asymetric warfare (bio, cyber, IEDs); world-wide terrorism; pandemics; weapons proliferation; rogue nuclear states
- New Missions
  - Homeland defense; missile defense; counterinsurgency; stability and reconconstruction
- Warfighting Changes
  - Netcentric Warfare; Systems-of-Systems; Joint and coalition operations
- Intelligence Changes
  - Integrated data; open-sources; Language and culture understanding
- China
  - Future adversary or Econ. Competitor
- Technological Changes
  - Infor., bio, nano, robotics, high-energy lasers, etc.
- Industrial Changes
  - Horizontal & vertical integration; commercial high-tech advances
- Globalization
  - Rapid spread of Technology; multinational firms; foreign sourcing
- Government Workforce
  - Aging; wrong skill mix; judgment vs. rules; managers vs. doers
- Recent “Scandals”
  - Druyun, Cunningham, Abramoff, etc.
- Isolationist Moves
  - “Buy-American”; discourage foreign scholars; energy “intependence”

Congress and DoD reacting: Some Current Activities

- Quadrennial Defense Review (February 6 -- Follow-ups initiated)
  - What we buy; how we allocate resources; how we buy
- Defense Acquisition Performance Assessment (report out in February)
  - Greater role for COCOMS, Service Chiefs; acquisition workforce development; focus on cycle time; etc.
- SARA, Sect. 1423 Acquisition Advisory Panel (report out in March)
  - "Reviewing all laws, regulations, and Government Policies"
- Defense Science Board Task Forces (reports coming out)
  - Summer Study on "Transformation"; others on Technology, ManTech, etc.
- Congressional Legislation (lots of proposals)
  - From "waste, fraud, and abuse" to "Buy American"

My "Top 8" Acquisition Reforms for the coming decade

1. Lower Cost Weapons
2. Speed from Demo. to Field
3. Continuous Option of Competition
4. Performance-Based Acquisitions
5. Modern Logistics
6. More Focus on Research
7. Enterprise Integration I.T. Systems
8. Transformation of the Government Workforce

1. Lower Cost Weapons

- Lower production and support costs are an R&D issue (they are "designed" in)
- Low-cost weapons must be part of the weapon's "requirements"
- Likely smaller quantities require process innovation (e.g. multiproduct and/or dual use)
- Maximum use must be made of commercial subsystems, parts, software, etc.
- Platforms as "nodes" in net-centric operations (vs. platform-centric systems)
- Unmanned systems are much cheaper
- Use "force multipliers" for greater overall force effectiveness (e.g. distributed sensors, precision weapons, robotics)

The Unit Costs of current ships, planes, tanks, missiles, etc. is simply unaffordable in the quantities required -- Low cost weapons are the future!

2. Speed from Demo. to Field

- Adversaries rapidly get commercial stuff off the world market
- Must use “spiral development” (prove the technology, then rapidly apply it)
- Do prototyping to: 1) prove it works, 2) show it is useful, and 3) show it is produceable and affordable
- Limit Development to 5 years

We can not be “technologically superior” militarily, nor can we afford developments that take one to two decades.

3. Continuous Option of Competition

- Design teams are the critical elements of the defense industrial base
- Competition creates innovation while lowering costs (monopoly doesn't)
- An option needed at all levels (primes and critical subs.)
- A growing concern is vertical integration -- especially regarding systems-integration contracts (government needs to be involved in "make or buy")
- The credible option of competition (e.g. with an R&D award) is inexpensive and effective

The data on the benefits of competition are overwhelming -- in obtaining higher performance at lower costs, due to product and process innovation.

4. Performance-Based Acquisitions

- Performance-based "requirements" (vs. design-based) and performance-based contracts (vs. compliance-based) give the contractor the opportunity to innovate
- Applies to products, services, and logistics
- Lots of "barriers" exist, and must be overcome (from cultural, to regulatory, to training)
- Incentives are the key to performance-based acquisitions

The data (in improved performance at lower costs) are overwhelming.

Performance Based Logistics Availability and Response Time

Navy Program	Material Availability Pre-PBL	Material Availability Post-PBL	Logistics Response Time Pre-PBL	Logistics Response Time Post-PBL
 F-14 LANTIRN	73%	90%	56.9 Days	5 Days
 H-60 Avionics	71%	85%	52.7 Days	8 Days
 F/A-18 Stores Mgmt System (SMS)	65%	98%	42.6 Days	2 Days CONUS 7 Days OCONUS
 Tires	70%	85%	28.9 Days	2 Days CONUS 4 Days OCONUS
 APU	65%	90%	35 Days	6.5 Days

5. Modern Logistics

- Spend over $90 Billion/year; employ over 1 Million government people; have an inventory of approximately $67 Billion -- but do not do a world-class job, by any measure (response time, flexibility, cost, etc.)
- Logistics has been a major problem in Iraq (it is critical to 21st Century warfighting)
- The commercial world has integrated logistics data systems (DoD has over 600 non-inoperable systems; that also don't link to finance, personnel, etc.)

The potential for dramatic improvement in performance with billions of dollars of savings must be realized -- and soon.

Large Opportunity for Improved Performance at Lower Cost

Process	DoD	Commercial Companies		
Distribution (for in-stock items)	21 days (DoD average)	1 day (Motorola)	3 days (Boeing)	2 days (Caterpillar)
Repair (cycle time)	4-144 days (DoD average)	3 days (Compaq)	14 days (Boeing electronics)	14 days (Detroit Diesel)
Repair (shop time)	8-35 days (Army tank/truck)	1 day (Compaq)	10 days (Boeing electronics)	5 days (Detroit Diesel)
Procurement (administrative lead time)	88 days (DLA)	4 days (Texas Inst.)	0.5 days (Portland General)	Minutes (Boeing, Caterpillar)

Some of this data re from 1996 DSB report.

6. More Focus on Research

- R&D resources (in government and industry) have been shifting to Development
- Need far more research in areas of “disruptive” technologies (e.g. high-energy; robotics; advanced kinetics; nanotech; etc.)
- The current moves toward “isolationism” (e.g. “Buy American”; restrictions on non-U.S. scholars doing research in America; increased security restrictions) hurt us far more than we gain
- Serious research on Acquisition Reform is also needed

This area (research) is America’s long-term military and economic future -- we can not afford to “eat the seed corn”, as we are increasingly doing.

7. Enterprise Integration I.T. Systems

- Most corporations have it today; it is inexcusable that the DoD doesn't (Instead, the DoD currently has 4,700 non-interoperable business systems!)
- Efforts to date have met with huge resistance
- The system must have access to data on: personnel, material, finance, procurement, real property, logistics, supplies, medical
- It must be COTS-based (if DoD processes need to change, so be it)

A new Agency has been formed to achieve Enterprise Integration – the DoD must join the information age.

8. Transformation of the Government Workforce

- The long-term policy should be:
  - **use military people for military functions only**
  - **use civilian government personnel for inherently-governmental functions only**
  - **use civilian contractors, based on competitive awards, for all other functions**

- We need to move quickly in this direction (allowing government civilians to bid competitively on work they are currently doing)
- Skills for government civilians must be more for "managers" then "doers" (lots of near-term retirements represent an opportunity)
- New rules are needed regarding contractors in combat zones
- Military Health Care costs are out of control

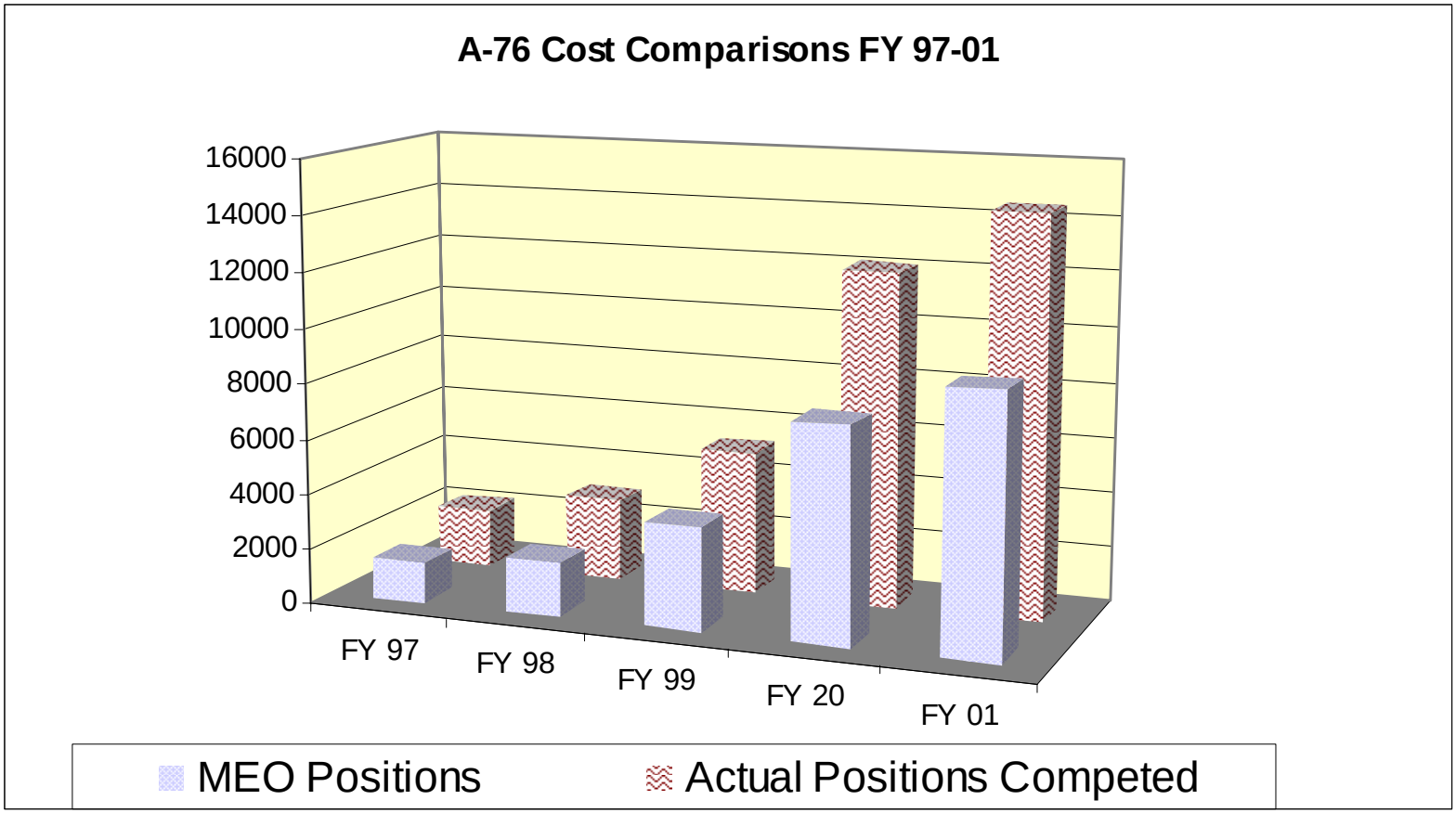
21st Century DoD operations require a skilled, total workforce – taking advantage of the best in Military, Government Civilians, and Industry.

Results of A-76 DoD Cost Comparisons: 1978 - 1994

	Competitions Completed		Average Annual Savings ($M)		Percent Savings
Army	510		$470		27%
Air Force	733		$560		36%
Marine Corps	39		$23		34%
Navy	806		$411		30%
Defense Agencies	50		$13		28%
Total	2,138		$1,478		31%

Defense Reform Initiative Report, Nov. 1997

Results of A-76 Cost Comparison: FY 1997 - 2001



Source: DoD CAMIS Data

Distribution of DoD Workforce (Thousands)

Occupation	# Civ		# Mil		Total		%	
	1996	2005	1996	2005	1996	2005	1996	2005
Maintenance/Engineers	233	198	**445**	**402**	678	**600**	**27%**	**29%**
Administration	262	270	**119**	**207**	382	476	**16%**	**23%**
Combat	12	8	**324**	**296**	336	304	**14%**	**15%**
Service, Supply, and Procurement (Logistics)	132	92	**152**	**127**	283	218	**12%**	**11%**
Health/Medical	28	28	131	112	159	140	6%	7%
Technical	114	76	91	50	205	128	8%	6%
Comm/Intelligence	6	7	137	118	143	125	6%	6%
Other/Unknown	50	8	180	60	229	69	9%	3%
Total	874	687	1,599	1,370	2,472	2,057	100%	100%

My "Top 8" Acquisition Reforms for the coming decade

1. Lower Cost Weapons
2. Speed from Demo. to Field
3. Continuous Option of Competition
4. Performance-Based Acquisitions
5. Modern Logistics
6. More Focus on Research
7. Enterprise Integration I.T. Systems
8. Transformation of the Government Workforce

Changes that are Driving Acquisition Reform Today

- Domestic Economics
  - Debt, Medicare, Social Security, Supplementals
- Threat Changes
  - Asymetric warfare (bio, cyber, IEDs); world-wide terrorism; pandemics; weapons proliferation; rogue nuclear states
- New Missions
  - Homeland defense; missile defense; counterinsurgency; stability and reconconstruction
- Warfighting Changes
  - Netcentric Warfare; Systems-of-Systems; Joint and coalition operations
- Intelligence Changes
  - Integrated data; open-sources; Language and culture understanding
- China
  - Future adversary or Econ. Competitor
- Technological Changes
  - Infor., bio, nano, robotics, high-energy lasers, etc.
- Industrial Changes
  - Horizontal & vertical integration; commercial high-tech advances
- Globalization
  - Rapid spread of Technology; multinational firms; foreign sourcing
- Government Workforce
  - Aging; wrong skill mix; judgment vs. rules; managers vs. doers
- Recent “Scandals”
  - Druyun, Cunningham, Abramoff, etc.
- Isolationist Moves
  - “Buy-American”; discourage foreign scholars; energy “intependence”

Summary

- Change (in the way the DoD does it's business) is both needed and inevitable

- The question is: will it happen rapidly, efficiently, and effectively

OR

slowly, begrudgingly, and with great cost and ineffectiveness?

- We really have no choice – if we are to maintain our military and economic security

And we need to start now!

Robotics Systems Joint Project Office

(PM RS JPO)

Colonel Terry Griffin, Project Manager

- The RS JPO is the Marine Corps Acquisition agent for the development and acquisition of Robotic Systems
- Systems Being worked
  - Gladiator
  - Assault Breacher Vehicle (ABV)
  - Counter IED
- Gladiator and ABV are programs of record, Counter IED systems include programs of record, Commercial-off-the-shelf, and spares
- What we need from industry
  - High speed mobility, safe operations, tactical behaviors, collaboration
  - Avoidance (human/traffic), bandwidth and latency, through foliage (now), speed, targeting, battery/electric power armor, suspension, user interface
  - Assistance in safety standards specific to armed robots
  - Help with procurement of spares (reliable, cost effective)

Product Group Principals:

1. Business Mangement & Logistics Chief, Colonel Ed Ward, 256-955-6211
2. Tech Management Chief, Mr. Joel Wise, 256-955-0767
3. Product Assurance, Test and Configuration Management Chief, Mr. Mike Whittier, 256-842-0122
4. Joint Robotics Repair OIC, LTC Todd Lamb, 256-876-7209

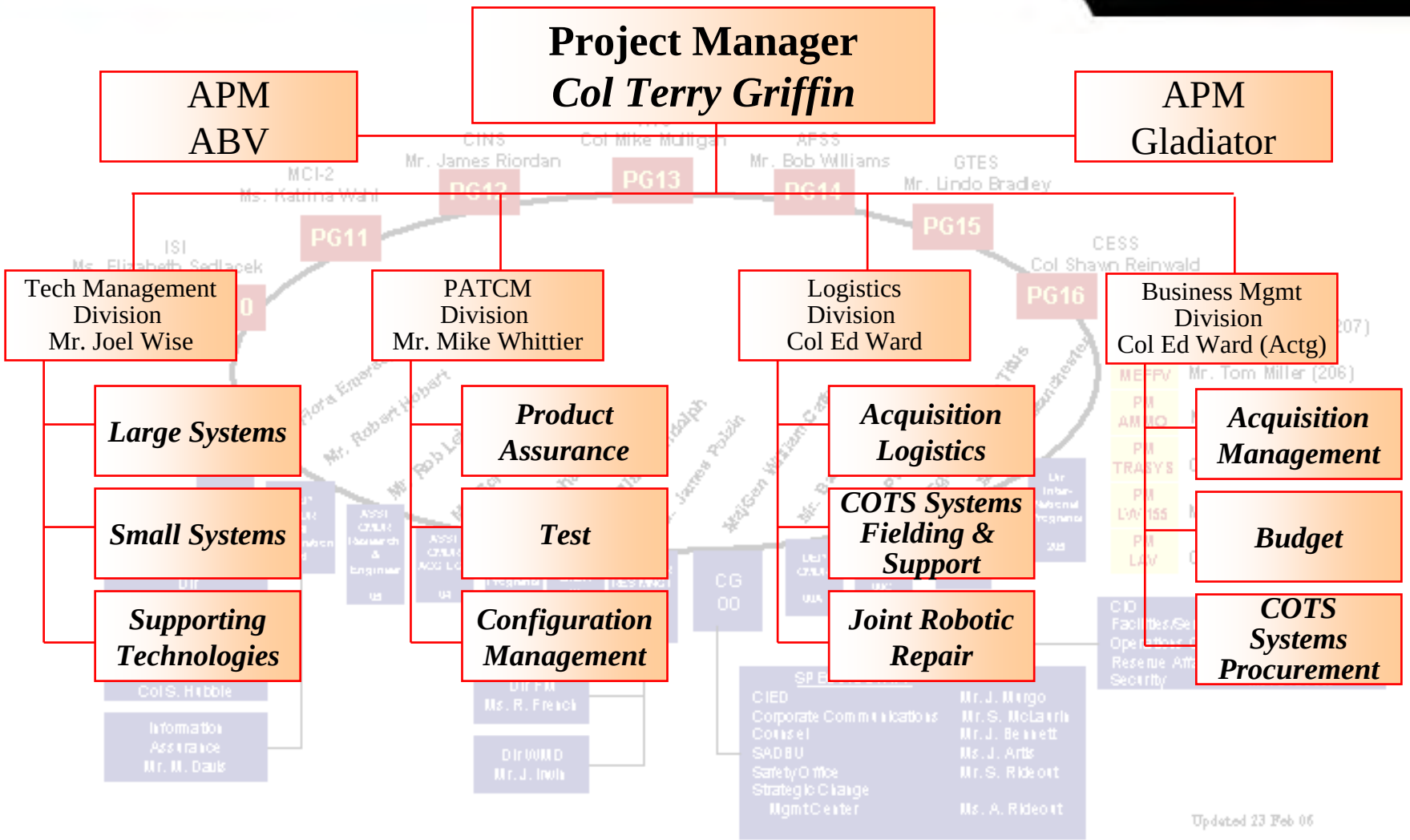
Program Manager Total Funding: $200,022.6M

Appropriations Spending Breakout:

Appropriations	FY 06	FY 06 Supplemental	FY 07
RDT&E	$13.1M	0	$9.5M
O&MMC GWOT Support		$90M	$110M
PMC	ABV – within PM Engineering Systems	0	ABV – within PM Engineering Systems

* UUNS robotic system capabilities not included above

Advanced Planning Briefing to Industry 2006
Independent Program Managers



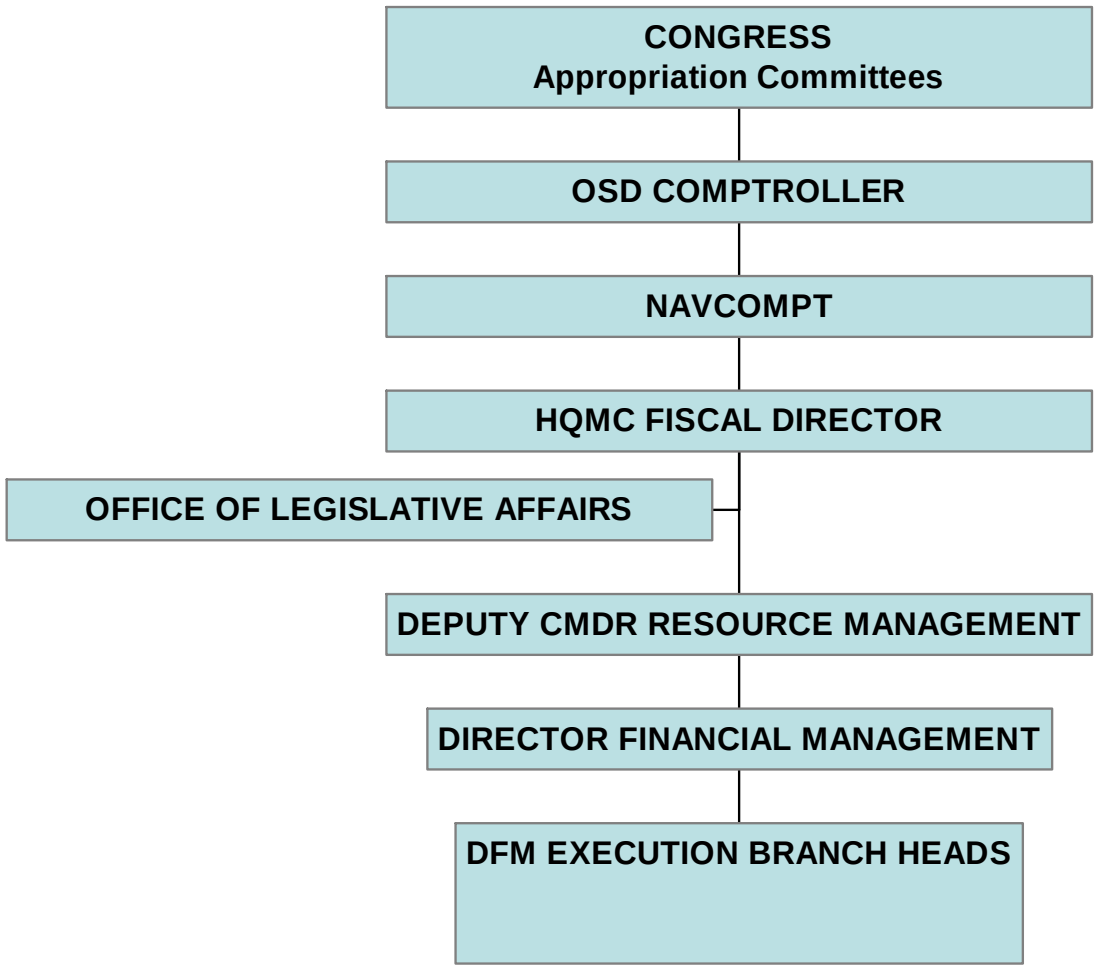
Closing Remarks

- Robotic systems are in the fight
- Need cost effective and second sourcing for spares
- Industries best ideas in the counter IED fight – finding IEDs
- Longer term
  - Make the systems more capable – tactical behaviors
  - Safe operations
  - Weapons safety

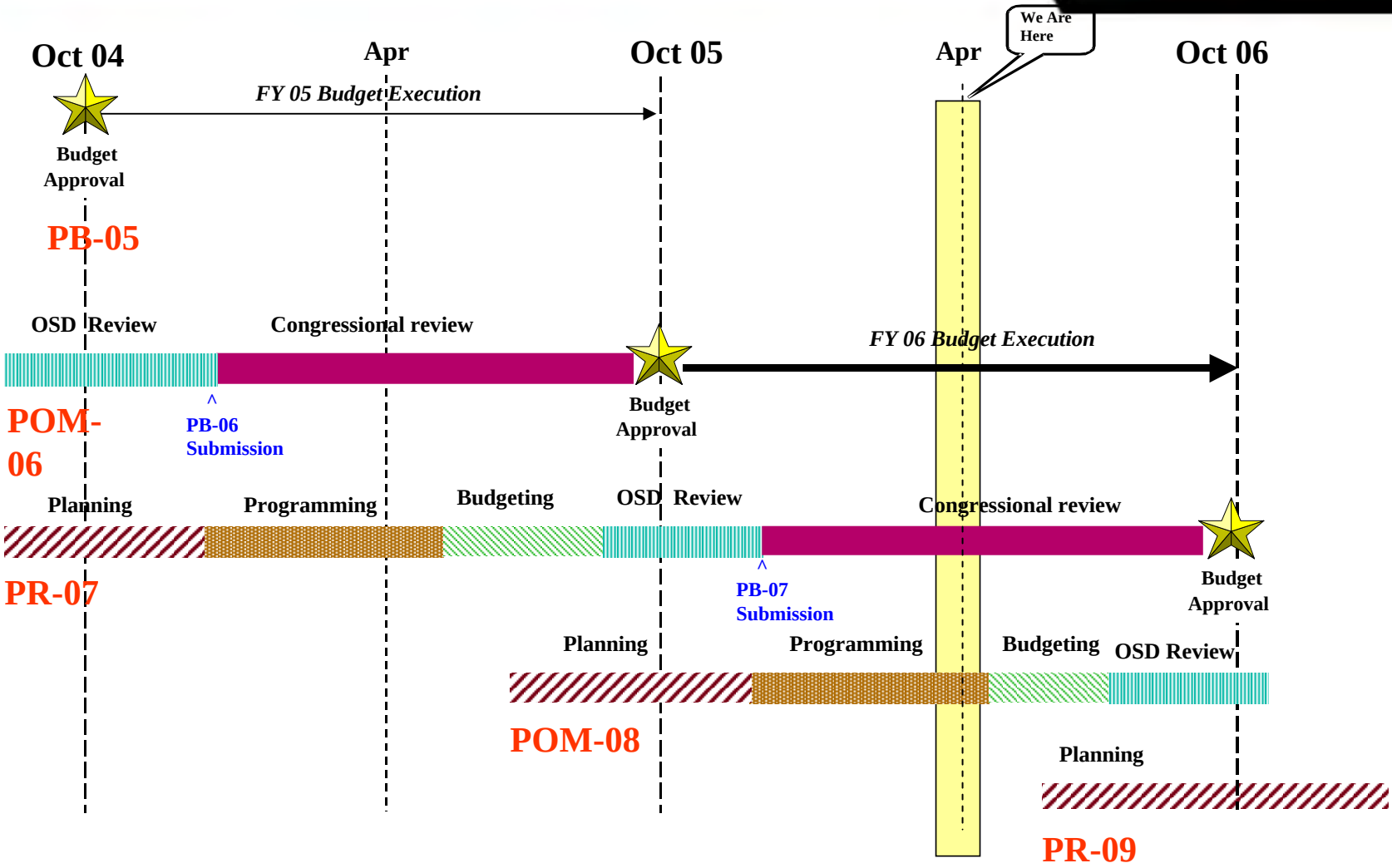
Budget of the Marine Corps Systems Command

William Harris
Director of Finance
Congressional Liaison

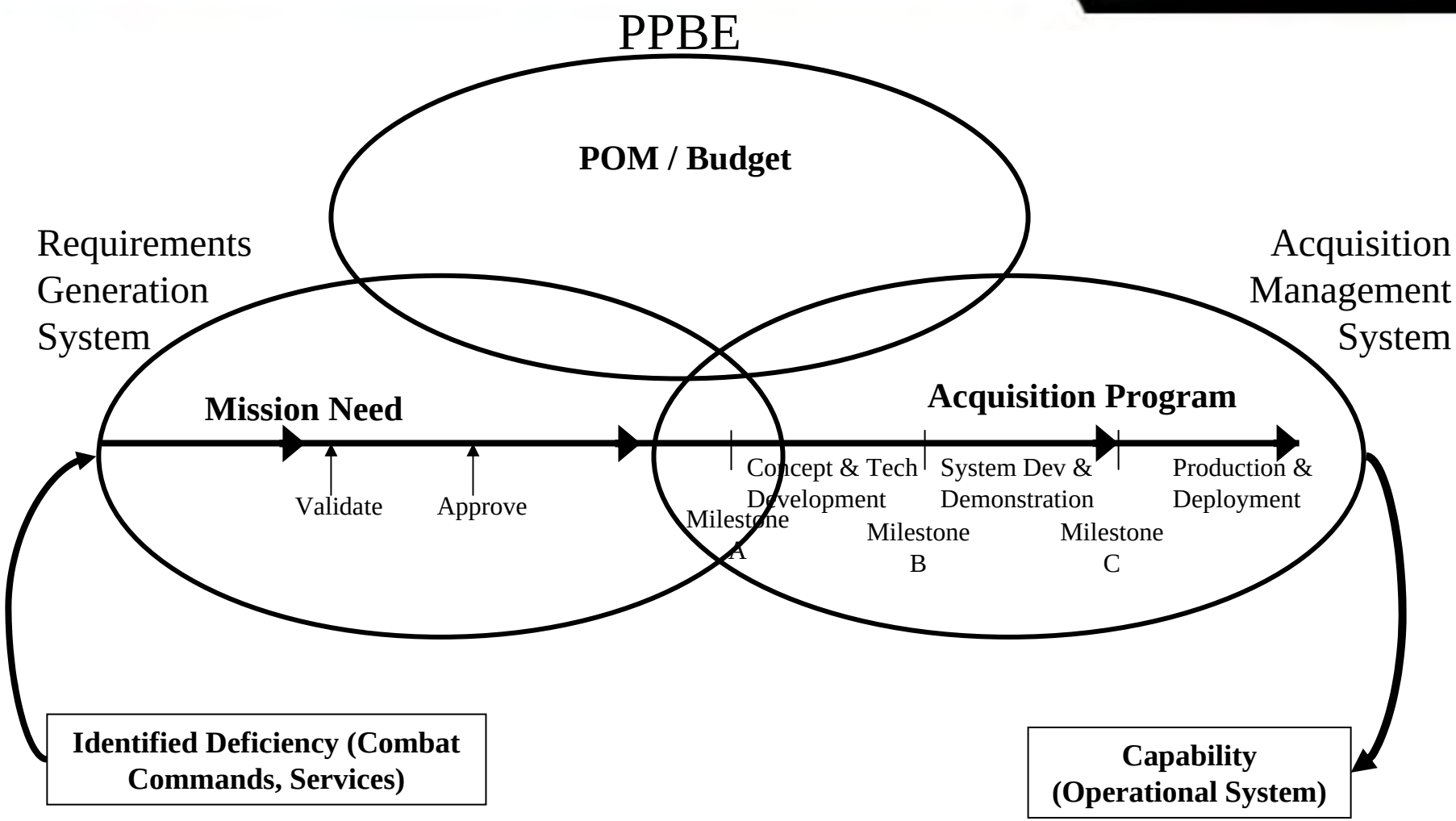
Financial Chain of Command



Cyclical PPBE Process



PPBE and Acquisition



Major Appropriation Categories

APPN	SCOPE	FUNDING POLICY
RDT&E	Research, Development, and Testing Activities & Expenses -- Integration	INCREMENTAL
PMC	•End items >= $250K system unit cost •All centrally managed items •Initial spares •Labor for certain production-related functions (e.g., item assembly, quality assurance)	FULL
O&MMC	•Replenishment spares •Civilian salaries •Construction projects < $750K •Travel •Non-centrally managed end items < $250K system unit cost	ANNUAL
MILPER	Military personnel expenses	ANNUAL
MILCON	Construction projects >= $750K	FULL

Current Appropriated Funding (all appropriations; $000)

	FY06 PresBud and Bridge Supplemental	FY07 PresBud
Armor Fire Support	328,630	164,650
Command & Control, Communications and Intelligence	1,516,256	763,630
Combat Equipment	170,757	180,809
Ground Transportation	908,756	287,559
Infantry Weapons	283,036	82,307
Light Armored Vehicle	163,170	34,597
LW 155 Artillery	177,206	98,815
Training	88,604	41,976

Anticipated/Requested Supplemental Funding (all appropriations; $000)

	FY06 Full/Summer Supplemental	FY07 Bridge Supplemental
Armor Fire Support	161,353	139,074
Command & Control, Communications and Intelligence	861,695	777,538
Combat Equipment	285,411	43,540
Ground Transportation	816,532	584,470
Infantry Weapons	614,359	141,730
Light Armored Vehicle	97,482	25,050
LW 155 Artillery	0	0
Training	61,890	0

Questions?

Navy Electronic Commerce Online (NECO)

Presented By:
Ms. Beverly L. Hobbs
Lead Contracting Officer,
Business Operations, Contracts
April 13-14, 2006

OVERVIEW

- ✓ All MARCORSYSCOM business opportunities are posted on NECO and advertised at www.neco.navy.mil .
- ✓ NECO uploads automatically to FBO.
- ✓ Business Opportunities are no longer posted on the command website.
- ✓ All MARCORSYSCOM Contracting personnel are registered in NECO.

NECO STATISTICS

✓ Interesting Facts (1/97- 3/06)

- Solicitations Posted **167,155**
- Awards **271,290**
- Award Value **$13B**

Vendors Registered **35,501**
Buyers Registered **1,664**
Activities Using NECO **120**

✓ Quotations Processed - To Date

- Direct NECO input (WEB) **79,597**
- EDI (from VANs) **26,252**
- Total **105,849**

NECO OVERVIEW

- ✓ **Why do you need to register with NECO?**
  - ✓ Because 20,600 daily procurement e-mails are sent out to registered vendors on a daily basis!
  - ✓ Because 500 solicitations are uploaded to NECO weekly!
  - ✓ Because 850 synopses are uploaded to NECO weekly!
- ✓ **Register on NECO and get in the GAME!**

NECO and MARCORSYSCOM

- Single point of entry for all MARCORSYSCOM competitive solicitations

- **All** MARCORSYSCOM Buyers are required to advertise with NECO (includes field activities).

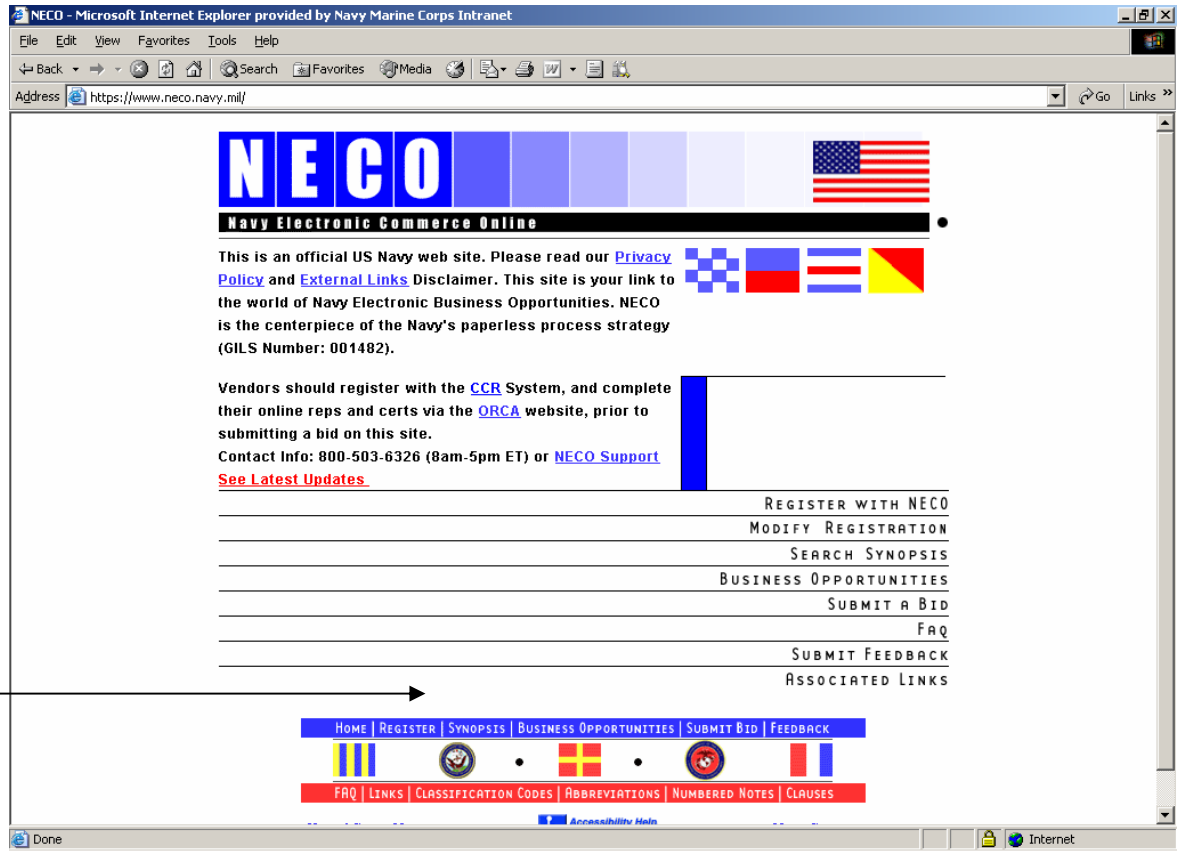
Getting Started with NECO

- You will need a PC with a modem and Internet Service
- Register with NECO at www.neco.navy.mil
- You may view business opportunities without registering
- Complete the daily e-mail customization option
- Contact the NECO Help Desk at 1-800-503-6326 with questions or technical support issues

Getting Started with NECO

- You will need a PC with a modem and Internet Service
- Be registered with CCR (Central Contractor Registration)
- Have a DUNS (Data Universal Numbering System) Number – Assigned by Dun & Bradstreet
- Register with NECO at www.neco.navy.mil
- Complete the daily e-mail customization option
- Contact the NECO Help Desk at 1-800-503-6326 with questions or technical support issues

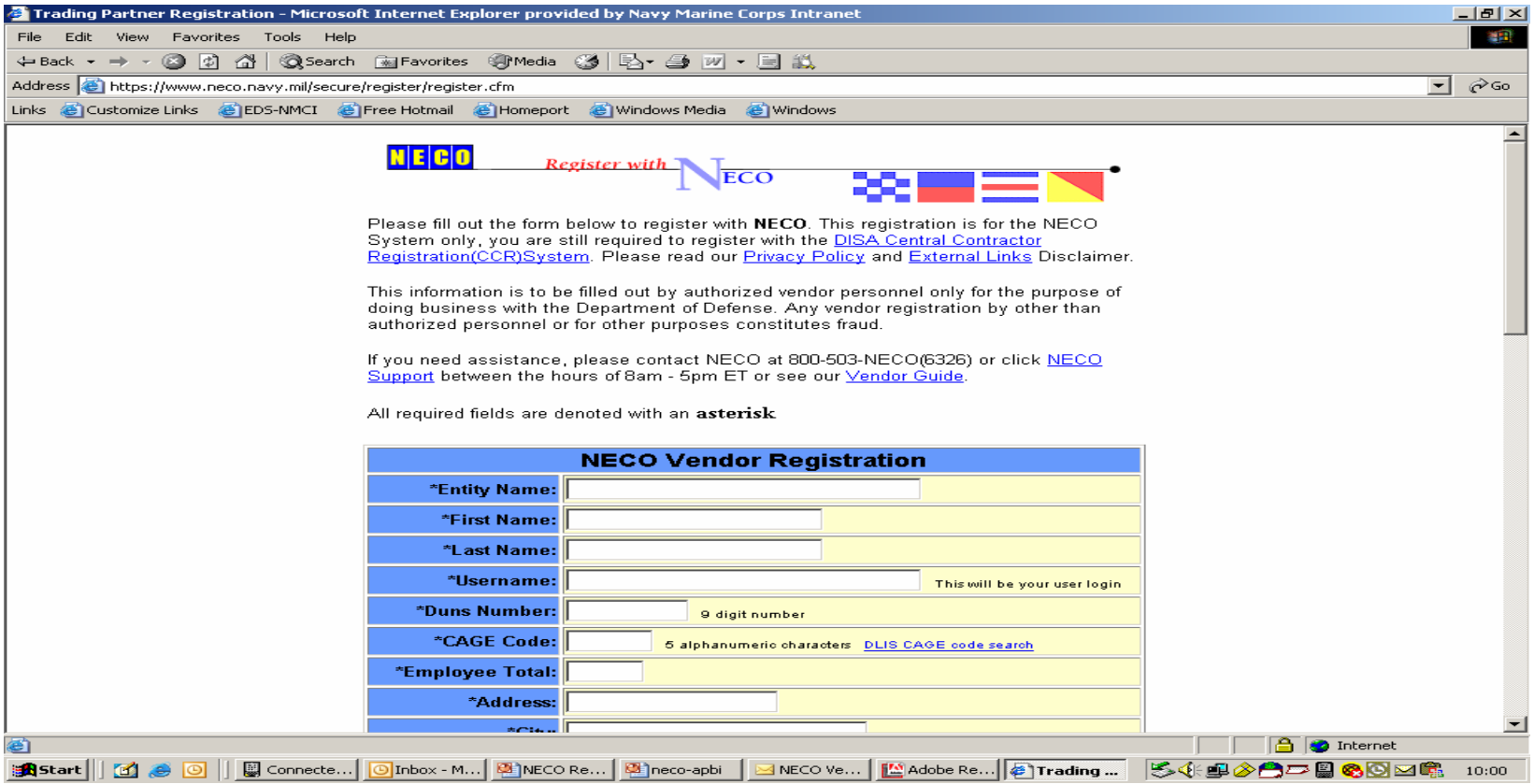
Register with NECO



Login to NECO at web address https://www.neco.navy.mil/

Click on the BLUE REGISTER TAB OR “REGISTER WITH NECO” TAB.

Register with NECO



* All fields with asterisks require completion.

Trading Partner Registration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address https://www.neco.navy.mil/secure/register/register.cfm

Go

NECO *Register with* NECO

Please fill out the form below to register with **NECO**. This registration is for the NECO System only, you are still required to register with the DISA Central Contractor Registration(CCR)System. Please read our Privacy Policy and External Links Disclaimer.

This information is to be filled out by authorized vendor personnel only for the purpose of doing business with the Department of Defense. Any vendor registration by other than authorized personnel or for other purposes constitutes fraud.

If you need assistance, please contact NECO at 800-503-NECO(6326) or click NECO Support between the hours of 8am - 5pm ET or see our Vendor Guide.

All required fields are denoted with an **asterisk**

Download Vendor Guide!

NECO Vendor Registration

*Entity Name:	
*First Name:	
*Last Name:	
*Username:	This will be your user login
*Duns Number:	9 digit number
*CAGE Code:	5 alphanumeric characters DLIS CAGE code search
*Employee Total:	
*Address:	
*City:	

Internet

Trading Partner Registration - Microsoft Internet Explorer

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Address https://www.neco.navy.mil/secure/register/register.cfm

*Daily E-mail:	Yes ◉ No ○ Subscribe to our daily e-mail listing of new business opportunities. Check out a sample of our e-mail service.

This form allows you to choose what type of business opportunities you would like to receive. Go to http://www.dlis.dla.mil/PDFs/h2.pdf to search for a Federal Stock Code.

What are the Most Requested Supply FSC's or Service FSC's ?

Daily Email Customization

Command/Site: Hold down the CONTROL button to make multiple selections.

Current Selection: ALL

- SELECT ALL SITE/LOCATION
- N65886 - AVIATION DEPOT
- M67004 - BLOUNT ISLAND COMMAND
- M20001 - COMMANDER U.S. MARINE CORPS FORCES ATLANTIC-CONTRACTING
- N62473 - DESERT IPT, NFEC SOUTHWEST

Selections made below will be Restricted to Locations selected above.

Federal Stock Code: (Supply) Hold down the CONTROL button to make multiple selections.

Current Selection: ALL

- SELECT ALL SUPPLY FSCs
- SELECT NO SUPPLY FSCs
- 10 -- Weapons
- 11 -- Nuclear ordnance
- 12 -- Fire control equipment
- 13 -- Ammunition & explosives
- 14 -- Guided missiles
- 15 -- Aircraft & airframe structural components
- 16 -- Aircraft components & accessories
- 17 -- Aircraft launching, landing & ground handling equipment

Federal Stock Code: (Service) Hold down the CONTROL button to make multiple selections.

Current Selection: ALL

- SELECT ALL SERVICE FSCs
- SELECT NO SERVICE FSCs
- A -- Research & Development
- B -- Special studies and analysis - not R&D
- C -- Architect and engineering services
- D -- Information technology services, including telecommunications services
- E -- Purchase of structures & facilities
- F -- Natural resources & conservation services
- G -- Social services
- H -- Quality control, testing & inspection services

CAGE:

This 5-digit alphanumeric CAGE code is associated with part numbers, not necessarily your CAGE code. Do not use entire part number (ex. 13456,23455,05433).

Subscribe to receive NECO Daily Procurement Offerings

Done

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Navy Electronic Commerce Online
This is an official US Navy web site. Please read our Privacy Policy and External Links Disclaimer. This site is your link to the world of Navy Electronic Business Opportunities. NECO is the centerpiece of the Navy's paperless process strategy (GILS Number: 001482).
Vendors should register with the CCR System, and complete their online reps and certs via the ORCA website, prior to submitting a bid on this site.
Contact Info: 800-503-6326 (8am-5pm ET) or NECO Support
See Latest Updates
View AWARDS & PRESOLICITATION Notices
NECO searches have similar structure and content as the FBO!
Register with NECO
Modify Registration
Search Synopsis
Business Opportunities
Submit a Bid
FAQ
Submit Feedback
Associated Links
Home | Register | Synopsis | Business Opportunities | Submit Bid | Feedback
FAQ | Links | Classification Codes | Abbreviations | Numbered Notes | Clauses
United States Navy
Accessibility Help & Information
Navy Careers

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Go

NECO Synopsis Database SEARCH

Use the search engines below to find a Synopses. Also, a user may enter a specific solicitation number and select a particular type of synopsis to search by **(i.e., Award Notice associated with Solicitation Number).**

For help on using the search engine, see the samples page

Search Synopsis Database	
Solicitation Number or UIC:	Ex. N0010402R1234 or N00104
Type of Synopsis:	All Types (default)
Date Range:	All (default)
Keyword:	
Status:	Active Documents / Archived Documents

Search Reset

Internet

NECO

Navy Electronic Commerce Online

This is an official US Navy web site. Please read our Privacy Policy and External Links Disclaimer. This site is your link to the world of Navy Electronic Business Opportunities. NECO is the centerpiece of the Navy's paperless process strategy (GILS Number: 001482).

Vendors should register with the CCR System, and complete their online reps and certs via the ORCA website, prior to submitting a bid on this site.
Contact Info: 800-503-6326 (8am-5pm ET) or NECO Support
See Latest Updates

View current solicitations and amendments posted on NECO

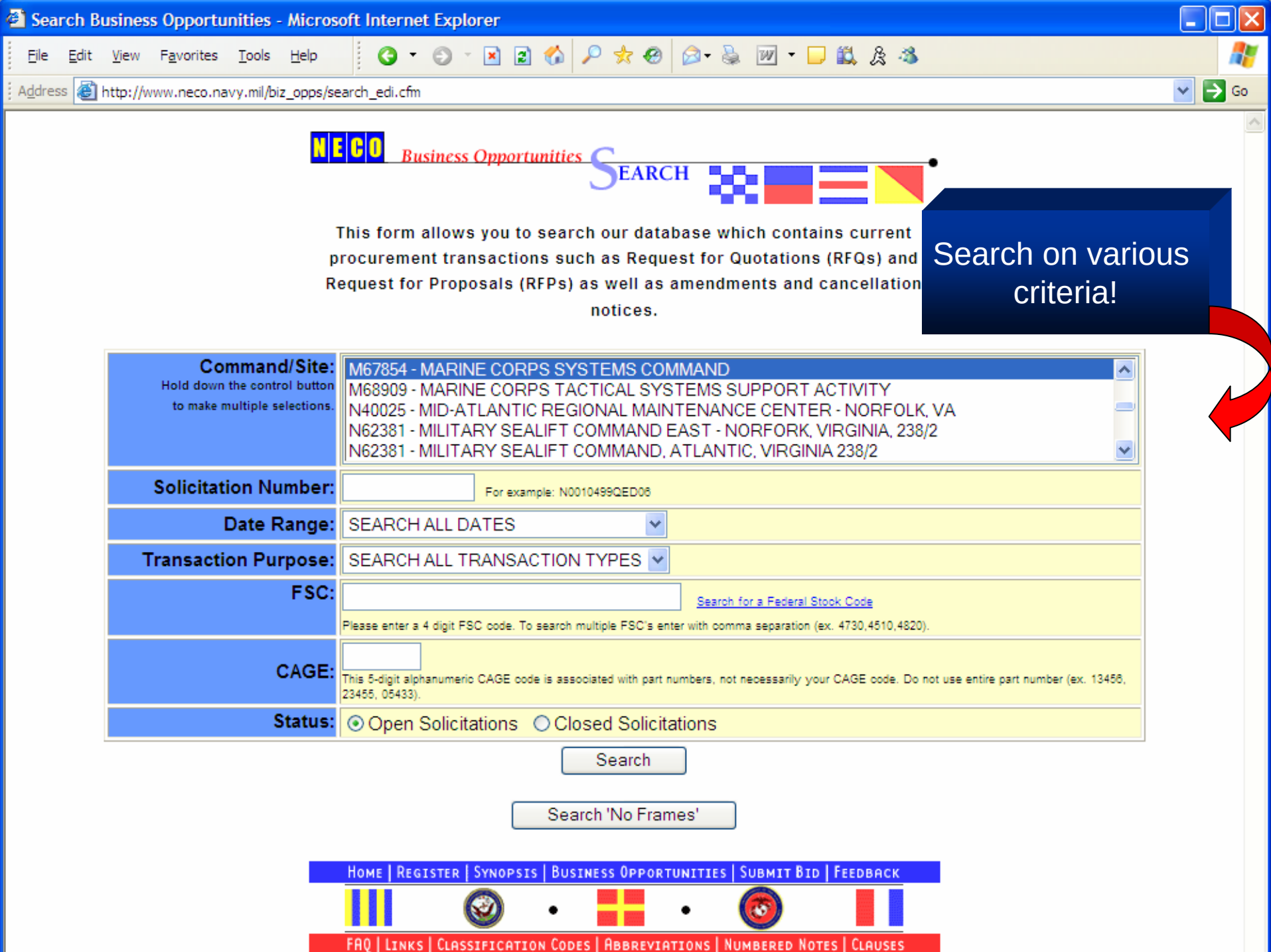
Locate Navy Business Opportunities

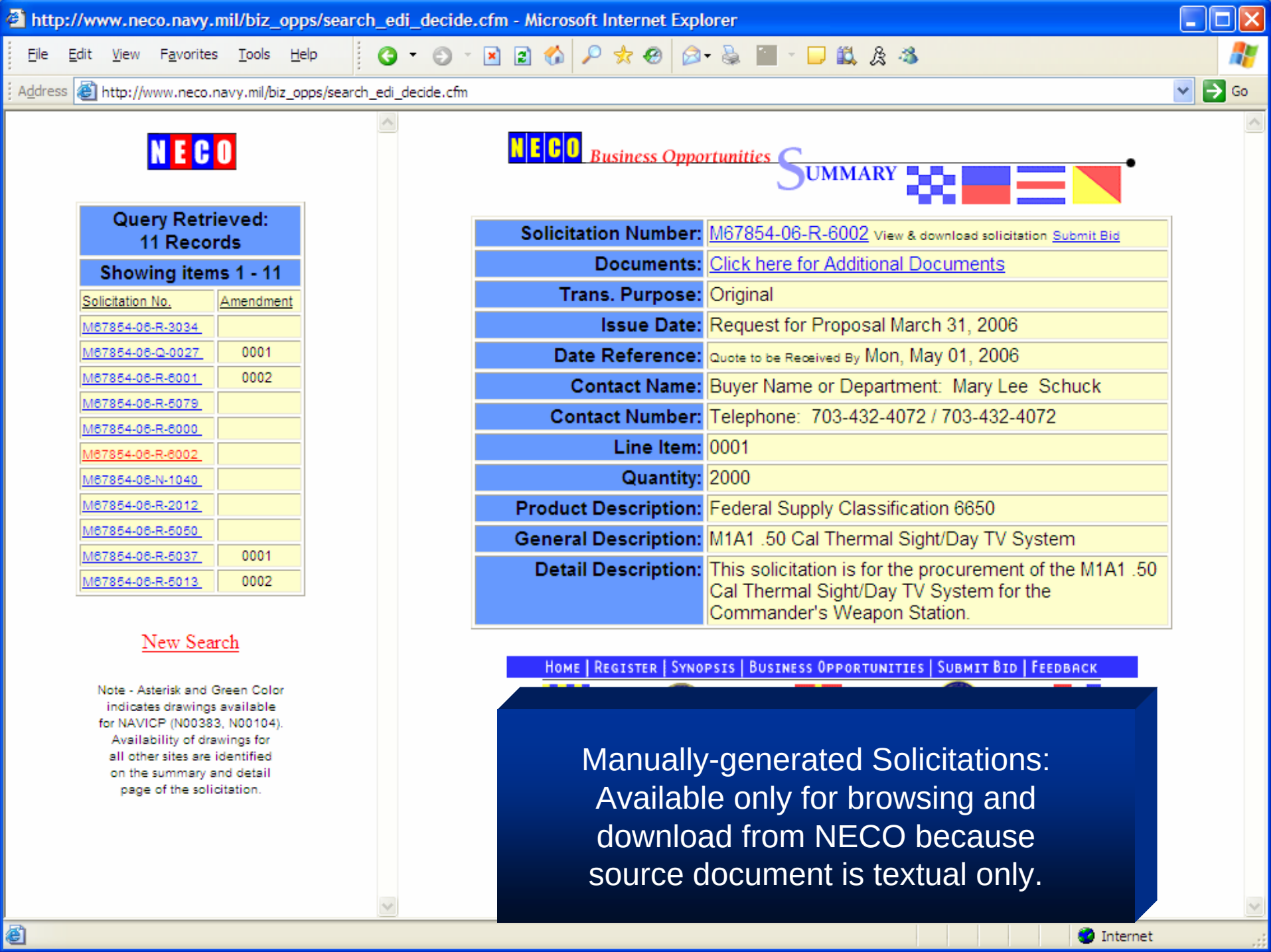
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MODIFY REGISTRATION
SEARCH SYNOPSIS
BUSINESS OPPORTUNITIES
SUBMIT A BID
FAQ
SUBMIT FEEDBACK
ASSOCIATED LINKS

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FAQ | LINKS | CLASSIFICATION CODES | ABBREVIATIONS | NUMBERED NOTES | CLAUSES

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Address http://www.neco.navy.mil/biz_opps/search_edi.cfm
Go
NECO Business Opportunities SEARCH
This form allows you to search our database which contains current procurement transactions such as Request for Quotations (RFQs) and Request for Proposals (RFPs) as well as amendments and cancellation notices.
Search on various criteria!
Command/Site:
Hold down the control button to make multiple selections.
M67854 - MARINE CORPS SYSTEMS COMMAND
M68909 - MARINE CORPS TACTICAL SYSTEMS SUPPORT ACTIVITY
N40025 - MID-ATLANTIC REGIONAL MAINTENANCE CENTER - NORFOLK, VA
N62381 - MILITARY SEALIFT COMMAND EAST - NORFORK, VIRGINIA, 238/2
N62381 - MILITARY SEALIFT COMMAND, ATLANTIC, VIRGINIA 238/2
Solicitation Number:
For example: N0010499QED06
Date Range:
SEARCH ALL DATES
Transaction Purpose:
SEARCH ALL TRANSACTION TYPES
FSC:
Search for a Federal Stock Code
Please enter a 4 digit FSC code. To search multiple FSC's enter with comma separation (ex. 4730,4510,4820).
CAGE:
This 5-digit alphanumeric CAGE code is associated with part numbers, not necessarily your CAGE code. Do not use entire part number (ex. 13456, 23455, 05433).
Status:
Open Solicitations
Closed Solicitations
Search
Search 'No Frames'
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FAQ | LINKS | CLASSIFICATION CODES | ABBREVIATIONS | NUMBERED NOTES | CLAUSES


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NECO
Query Retrieved: 11 Records
Showing items 1 - 11
Solicitation No. | Amendment
M67854-06-R-3034 |
M67854-06-Q-0027 | 0001
M67854-06-R-6001 | 0002
M67854-06-R-5079 |
M67854-06-R-6000 |
M67854-06-R-6002 |
M67854-06-N-1040 |
M67854-06-R-2012 |
M67854-06-R-5050 |
M67854-06-R-5037 | 0001
M67854-06-R-5013 | 0002
New Search
Note - Asterisk and Green Color indicates drawings available for NAVICP (N00383, N00104). Availability of drawings for all other sites are identified on the summary and detail page of the solicitation.
NECO Business Opportunities SUMMARY
Solicitation Number: M67854-06-R-6002 View & download solicitation Submit Bid
Documents: Click here for Additional Documents
Trans. Purpose: Original
Issue Date: Request for Proposal March 31, 2006
Date Reference: Quote to be Received By Mon, May 01, 2006
Contact Name: Buyer Name or Department: Mary Lee Schuck
Contact Number: Telephone: 703-432-4072 / 703-432-4072
Line Item: 0001
Quantity: 2000
Product Description: Federal Supply Classification 6650
General Description: M1A1 .50 Cal Thermal Sight/Day TV System
Detail Description: This solicitation is for the procurement of the M1A1 .50 Cal Thermal Sight/Day TV System for the Commander's Weapon Station.
HOME | REGISTER | SYNOPSIS | BUSINESS OPPORTUNITIES | SUBMIT BID | FEEDBACK
Manually-generated Solicitations: Available only for browsing and download from NECO because source document is textual only.
Internet

http://www.neco.navy.mil/biz_opps/search_edi_decide.cfm - Microsoft Internet Explorer

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Address http://www.neco.navy.mil/biz_opps/search_edi_decide.cfm Go

NECO

Query Retrieved: 11 Records	
Showing items 1 - 11	
Solicitation No.	Amendment
M67854-06-R-3034	
M67854-06-Q-0027	0001
M67854-06-R-6001	0002
M67854-06-R-5079	
M67854-06-R-6000	
M67854-06-R-6002	
M67854-06-N-1040	
M67854-06-R-2012	
M67854-06-R-5050	
M67854-06-R-5037	0001
M67854-06-R-5013	0002

New Search

Note - Asterisk and Green Color indicates drawings available for NAVICP (N00383, N00104). Availability of drawings for all other sites are identified on the summary and detail page of the solicitation.

Text Solicitations are available on NECO.

NECO Business Opportunities DETAIL

Trading Partner/Order/Currency Information	
Solicitation Number:	M67854-06-R-6002 Submit Bid
Documents:	Click here for additional documents
Synopsis:	View Synopsis
Transaction Purpose:	Original
Issue Date:	Request for Proposal March 31, 2006

Date/Time Reference		
Date Reference	Time Zone	Date Time Period
Quote to be Received By May 01, 2006		

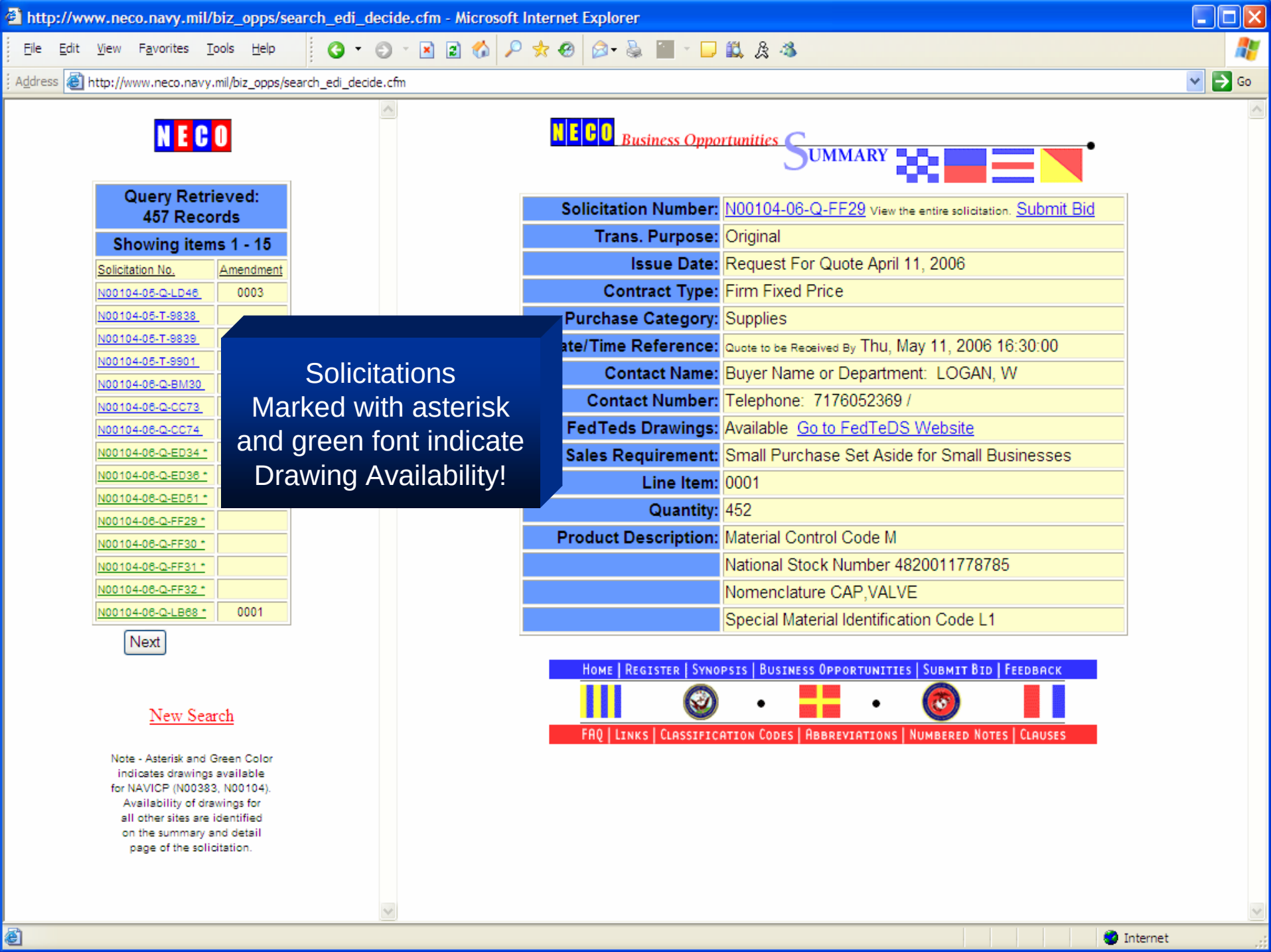
Contact Information	
Entity Identifier:	Buying Party (Purchaser) MARINE CORPS SYSTEMS COMMAND
DoD Identification:	Department of Defense Activity Address Code (DODAAC) M67854
Address 1:	
City/State/Zip:	Quantico VA 22134-5010

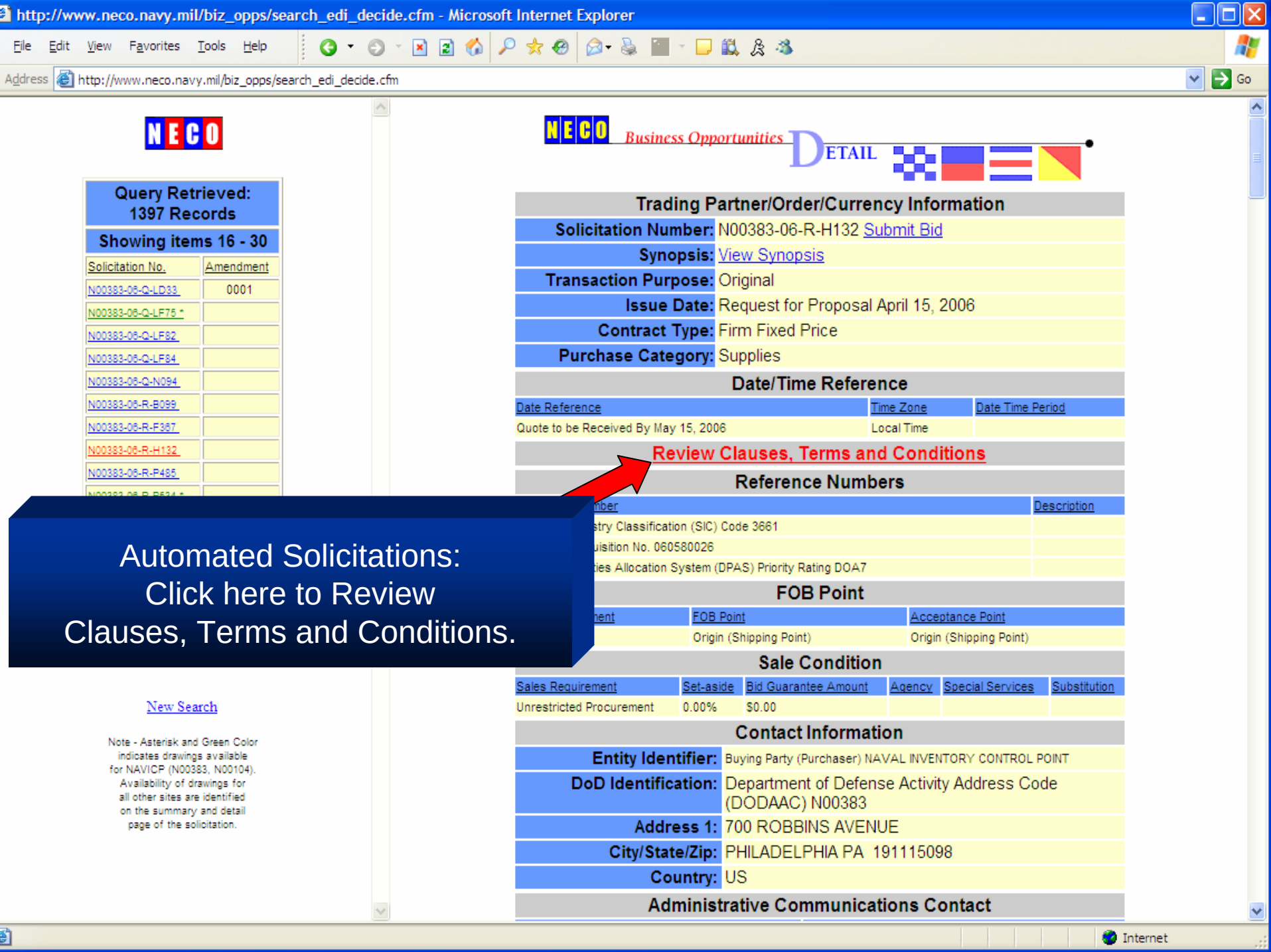
Administrative Communications Contact	
Contact Function	Communications Number
Buyer Name or Department: Mary Lee Schuck	Telephone: 703-432-4072 / 703-432-4072

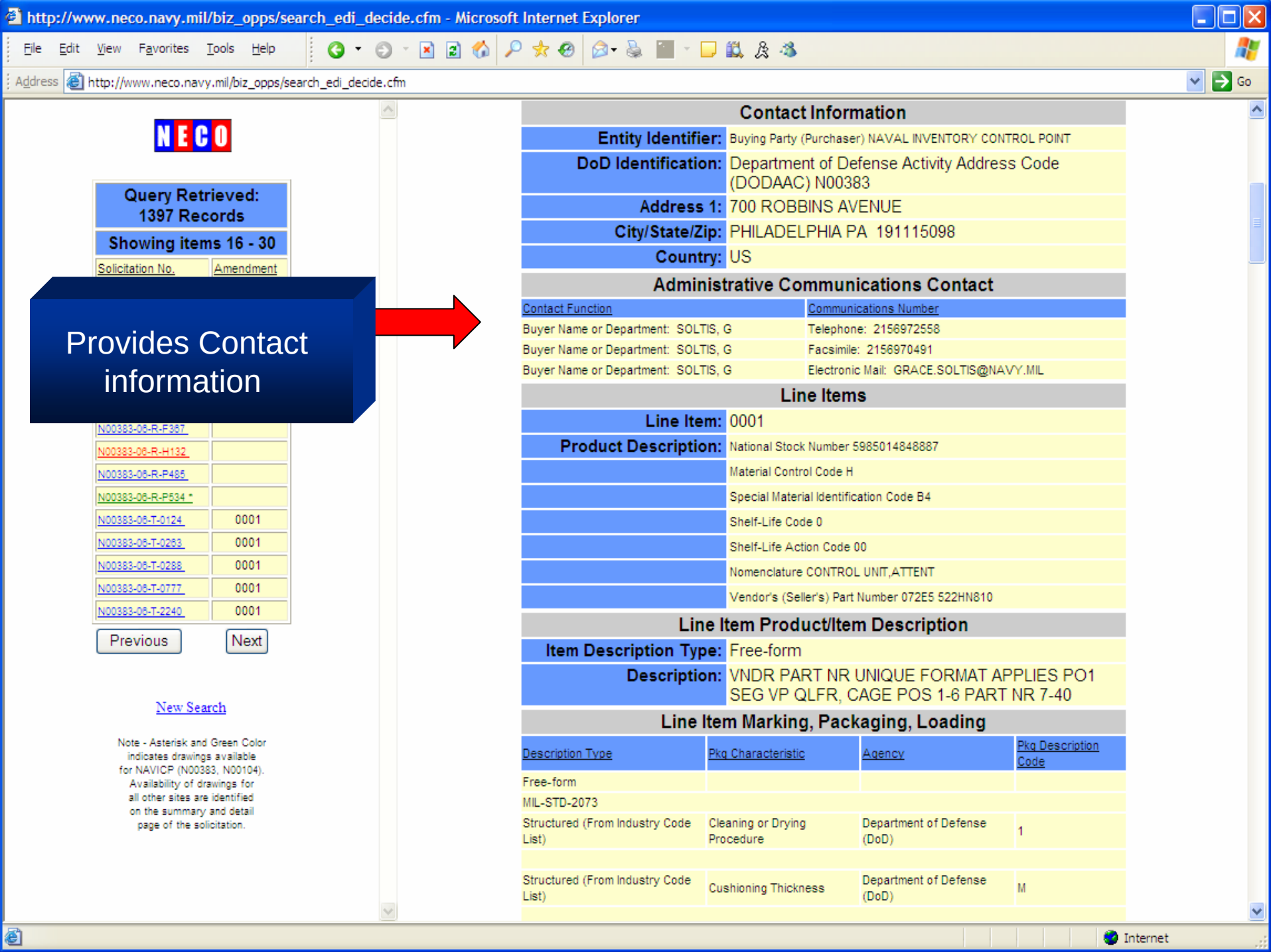
Line Items	
Line Item:	0001
Quantity:	2000
Federal Supply Classification:	6650
Download:	M67854\M6785406R6002M67854-06-R-6002.doc Download the file.
Download:	M67854\M6785406R6002CDRL_6002.doc Download the file2.
Download:	M67854\M6785406R6002Past_Perf_Questionaire.doc Download the file3.

Line Item Product/Item Description	
General Description:	M1A1 .50 Cal Thermal Sight/Day TV System
Detail Description:	This solicitation is for the procurement of the M1A1 .50 Cal Thermal Sight/Day TV System for the Commander's Weapon Station.

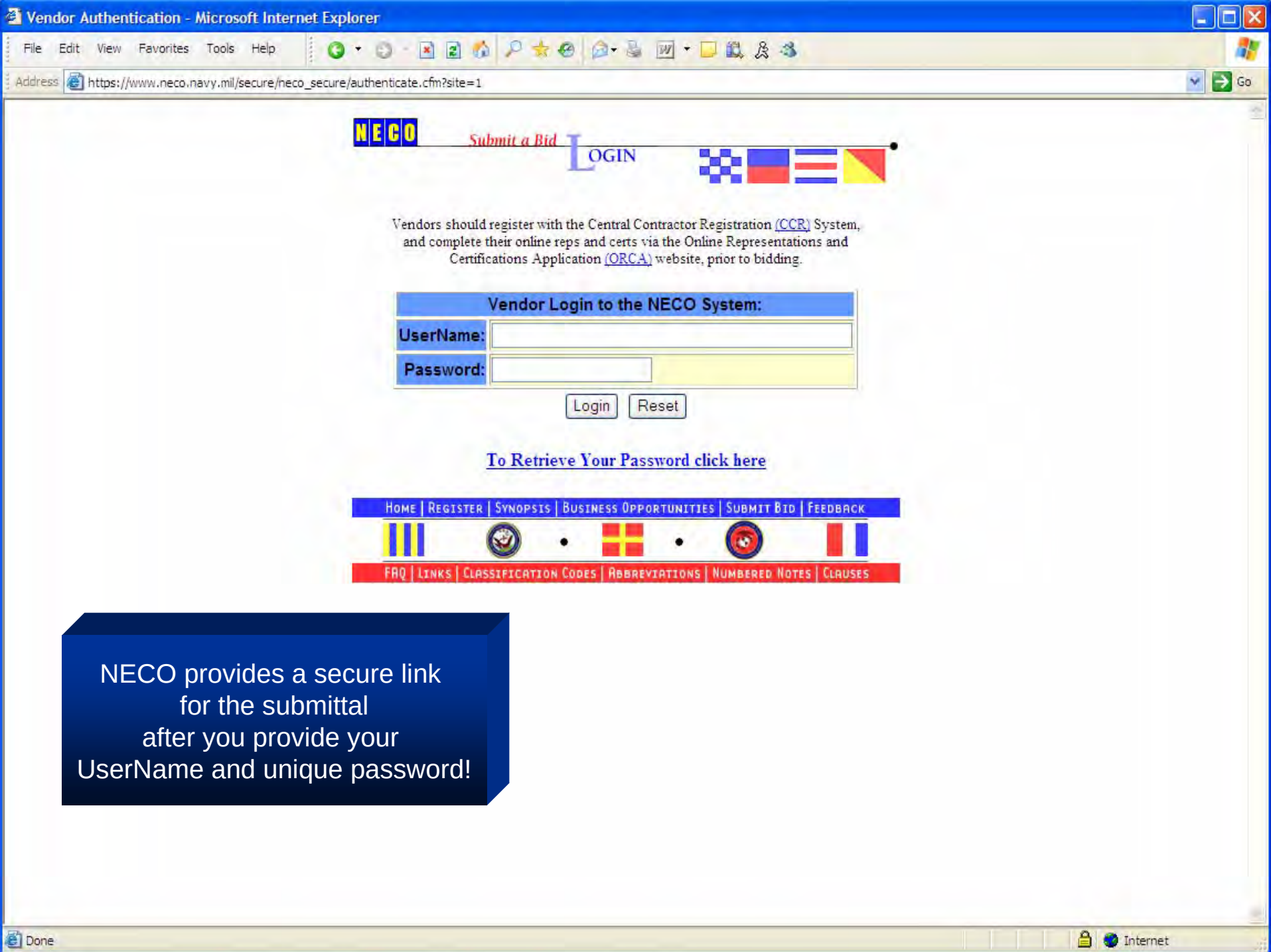
Internet


http://www.neco.navy.mil/biz_opps/search_edi_decide.cfm - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Address http://www.neco.navy.mil/biz_opps/search_edi_decide.cfm
Go
NECO
Query Retrieved: 457 Records
Showing items 1 - 15
Solicitation No. Amendment
N00104-05-Q-LD46 0003
N00104-05-T-9838
N00104-05-T-9839
N00104-05-T-9901
N00104-06-Q-BM30
N00104-06-Q-CC73
N00104-06-Q-CC74
N00104-06-Q-ED34 *
N00104-06-Q-ED36 *
N00104-06-Q-ED51 *
N00104-06-Q-FF29 *
N00104-06-Q-FF30 *
N00104-06-Q-FF31 *
N00104-06-Q-FF32 *
N00104-06-Q-LB68 * 0001
Next
New Search
Note - Asterisk and Green Color indicates drawings available for NAVICP (N00383, N00104). Availability of drawings for all other sites are identified on the summary and detail page of the solicitation.
Solicitations Marked with asterisk and green font indicate Drawing Availability!
NECO Business Opportunities SUMMARY
Solicitation Number: N00104-06-Q-FF29 View the entire solicitation. Submit Bid
Trans. Purpose: Original
Issue Date: Request For Quote April 11, 2006
Contract Type: Firm Fixed Price
Purchase Category: Supplies
ate/Time Reference: Quote to be Received By Thu, May 11, 2006 16:30:00
Contact Name: Buyer Name or Department: LOGAN, W
Contact Number: Telephone: 7176052369 /
FedTeds Drawings: Available Go to FedTeDS Website
Sales Requirement: Small Purchase Set Aside for Small Businesses
Line Item: 0001
Quantity: 452
Product Description: Material Control Code M
National Stock Number 4820011778785
Nomenclature CAP,VALVE
Special Material Identification Code L1
HOME | REGISTER | SYNOPSIS | BUSINESS OPPORTUNITIES | SUBMIT BID | FEEDBACK
FAQ | LINKS | CLASSIFICATION CODES | ABBREVIATIONS | NUMBERED NOTES | CLAUSES
Internet


http://www.neco.navy.mil/biz_opps/search_edi_decide.cfm - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Address http://www.neco.navy.mil/biz_opps/search_edi_decide.cfm
Go
NECO
Query Retrieved: 1397 Records
Showing items 16 - 30
Solicitation No. Amendment
N00383-06-Q-LD33 0001
N00383-06-Q-LF75 *
N00383-06-Q-LF82
N00383-06-Q-LF84
N00383-06-Q-N094
N00383-06-R-B099
N00383-06-R-F367
N00383-06-R-H132
N00383-06-R-P485
Automated Solicitations:
Click here to Review
Clauses, Terms and Conditions.
New Search
Note - Asterisk and Green Color indicates drawings available for NAVICP (N00383, N00104). Availability of drawings for all other sites are identified on the summary and detail page of the solicitation.
NECO Business Opportunities DETAIL
Trading Partner/Order/Currency Information
Solicitation Number: N00383-06-R-H132 Submit Bid
Synopsis: View Synopsis
Transaction Purpose: Original
Issue Date: Request for Proposal April 15, 2006
Contract Type: Firm Fixed Price
Purchase Category: Supplies
Date/Time Reference
Date Reference Time Zone Date Time Period
Quote to be Received By May 15, 2006 Local Time
Review Clauses, Terms and Conditions
Reference Numbers
Description
stry Classification (SIC) Code 3661
uisition No. 060580026
ties Allocation System (DPAS) Priority Rating DOA7
FOB Point
FOB Point Acceptance Point
Origin (Shipping Point) Origin (Shipping Point)
Sale Condition
Sales Requirement Set-aside Bid Guarantee Amount Agency Special Services Substitution
Unrestricted Procurement 0.00% $0.00
Contact Information
Entity Identifier: Buying Party (Purchaser) NAVAL INVENTORY CONTROL POINT
DoD Identification: Department of Defense Activity Address Code (DODAAC) N00383
Address 1: 700 ROBBINS AVENUE
City/State/Zip: PHILADELPHIA PA 191115098
Country: US
Administrative Communications Contact
Internet


http://www.neco.navy.mil/biz_opps/search_edi_decide.cfm - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Address http://www.neco.navy.mil/biz_opps/search_edi_decide.cfm
Go
NECO
Query Retrieved: 1397 Records
Showing items 16 - 30
Solicitation No.
Amendment
N00383-06-R-F387
N00383-06-R-H132
N00383-06-R-P485
N00383-06-R-P534 *
N00383-06-T-0124 0001
N00383-06-T-0283 0001
N00383-06-T-0288 0001
N00383-06-T-0777 0001
N00383-06-T-2240 0001
Previous
Next
New Search
Note - Asterisk and Green Color indicates drawings available for NAVICP (N00383, N00104). Availability of drawings for all other sites are identified on the summary and detail page of the solicitation.
Provides Contact information
Contact Information
Entity Identifier: Buying Party (Purchaser) NAVAL INVENTORY CONTROL POINT
DoD Identification: Department of Defense Activity Address Code (DODAAC) N00383
Address 1: 700 ROBBINS AVENUE
City/State/Zip: PHILADELPHIA PA 191115098
Country: US
Administrative Communications Contact
Contact Function
Communications Number
Buyer Name or Department: SOLTIS, G
Telephone: 2156972558
Buyer Name or Department: SOLTIS, G
Facsimile: 2156970491
Buyer Name or Department: SOLTIS, G
Electronic Mail: GRACE.SOLTIS@NAVY.MIL
Line Items
Line Item: 0001
Product Description: National Stock Number 5985014848887
Material Control Code H
Special Material Identification Code B4
Shelf-Life Code 0
Shelf-Life Action Code 00
Nomenclature CONTROL UNIT,ATTENT
Vendor's (Seller's) Part Number 072E5 522HN810
Line Item Product/Item Description
Item Description Type: Free-form
Description: VNDR PART NR UNIQUE FORMAT APPLIES PO1 SEG VP QLFR, CAGE POS 1-6 PART NR 7-40
Line Item Marking, Packaging, Loading
Description Type
Pkg Characteristic
Agency
Pkg Description Code
Free-form
MIL-STD-2073
Structured (From Industry Code List)
Cleaning or Drying Procedure
Department of Defense (DoD)
1
Structured (From Industry Code List)
Cushioning Thickness
Department of Defense (DoD)
M
Internet


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NECO
Navy Electronic Commerce Online
This is an official US Navy web site. Please read our Privacy Policy and External Links Disclaimer. This site is your link to the world of Navy Electronic Business Opportunities. NECO is the centerpiece of the Navy's paperless process strategy (GILS Number: 001482).
Vendors should register with the CCR System, and complete their online reps and certs via the ORCA website, prior to submitting a bid on this site.
Contact Info: 800-503-6326 (8am-5pm ET) or NECO Support
See Latest Updates
Bid on an OPPORTUNITY posted on NECO
REGISTER WITH NECO
MODIFY REGISTRATION
SEARCH SYNOPSIS
BUSINESS OPPORTUNITIES
SUBMIT A BID
FAQ
SUBMIT FEEDBACK
ASSOCIATED LINKS
After reviewing Business Opportunities You can submit a a Response to an RFQ through the Internet!
HOME | REGISTER | SYNOPSIS | BUSINESS OPPORTUNITIES | SUBMIT BID | FEEDBACK
FAQ | LINKS | CLASSIFICATION CODES | ABBREVIATIONS | NUMBERED NOTES | CLAUSES
United States Navy
Accessibility Help & Information
Navy Careers



NECO provides a secure link for the submittal after you provide your UserName and unique password!

Bid Response-Solicitation Selection - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address

Go

NECO Registration LOGIN

Please enter the Solicitation Number of the Procurement on which you want to submit a bid. If you enter an incorrect or invalid Solicitation Number you will be asked to return to this screen and enter it again. If you are unsure of the Solicitation Number then please go to Business Opportunities and find the correct Solicitation Number.

Provide Solicitation Number

Solicitation Number:

For example: N0038399QED25

Submit Reset

Internet

Bid Without Exception - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Address
Go

NECO Submit a Bid UPLOAD

The below solicitation may contain clauses which require information to be provided by the offer originator. Failure to provide the required information could preclude the offeror from receiving a contract award. Clauses which address representations and certifications are of particular importance.

ike assistance in filling out this form and submitting it or If you have y questions, please contact NECO at 800-503-NECO(6326)

All items denoted with an * are required.

Automated Solicitation Submit a Bid

Vendor Registration Information	
Entity Name:	Target Systems
CAGE Code:	0Y0G9
DUNS Number:	111111111
Address:	6 State Road, STE 111
City:	Mechanicsburg
State or Province/Country:	PA USA
Communication Number1:	717-795-8646
E-mail:	edkozup@target-sys.com
Location Description:	

Authorized Representative	
* Authorized Representative:	
* Telephone No:	

Trading Partner/Order/Currency Information	
Solicitation Number:	N00104-06-Q-FF29
Transaction Purpose:	Original
RFQ Type and Date:	Request For Quote 04/11/2006
Bid Reference and Date:	Bid (Effective) 4/11/2006
Bid Type Response:	Bid Without Exception
Contract Type:	Firm Fixed Price
Purchase Category:	Supplies

Done
Internet

Bid Without Exception - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Address Go

Reference Numbers

Reference Number	Description
Standard Industry Classification (SIC) Code 3491	
Purchase Requisition No. 052660043	
Defense Priorities Allocation System (DPAS) Priority Rating DOA3	
*Price Quote No.	

Date/Time Reference

Date Reference	Time Zone	Date Time Period
Quote to be Received By 05/11/2006	Local Time	

Delivery Lead Time

* Lead Time:	From Date of Award to Date of Latest Delivery	
* Time Period:	180	Calendar Days
Relevant Date:		Date Format = mm/dd/yyyy

Quote Expiration Date

* Expiration Lead Time:	From Required-By Date to Expiration Date	
* Expiration Time Period:		Calendar Days
Expiration Relevant Date:		Date Format = mm/dd/yyyy

Clause References

Reference Number	Date	Description
Federal Acquisition Regulations (FAR) 52.246-11	02/01/1999	
HIGHER-LEVEL CONTRACT QUALITY REQUIREMENT (NAVICP REVIEW FEB 1991)(FEB 1999)|1|SEE SPECIFICATION/SECTION E|		
Clause Number NAVICPFA08	06/01/2002	N00104
GENERAL INFORMATION-FOB-DESTINATION (JUN 2002)|1|B|		
Defense Federal Acquisition Regulations (DFAR) 252.246-7001	12/01/1991	
WARRANTY OF DATA (DEC 1991)|2|		
Federal Acquisition Regulations (FAR) 52.219-6	06/01/2003	
NOTICE OF TOTAL SMALL BUSINESS SET-ASIDE (JUNE 2003)|2|		
Federal Acquisition Regulations (FAR) 52.204-8	01/01/2006	
ANNUAL REPRESENTATIONS AND CERTIFICATIONS (JAN 2006)|2|332911|500 |		

Internet

Bid Without Exception - Microsoft Internet Explorer

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Address https://www.neco.navy.mil/secure/neco_secure/submit_bid/bwoe_sh.cfm?header_key=33989594&CFID=820373&CFTOKEN=72787900 Go

Clause References

Reference Number	Date	Description
Defense Federal Acquisition Regulations (DFAR) 252.225-7016	04/01/2003	
RESTRICTIONON ON ACQUISITION OF BALL AND ROLLER BEARINGS (APR 2003)|1||		
Federal Acquisition Regulations (FAR) 52.219-1	04/01/2002	
SMALL BUSINESS PROGRAM REPRESENTATIONS (APR 2002)|3|334511|750||		
Federal Acquisition Regulations (FAR) 52.211-14	09/01/1990	
NOTICE OF PRIORITY RATING FOR NATIONAL DEFENSE USE (SEP 1990)|1|a1a|		
Mutually Defined		REMARKS APPLY TO N0038304QJ072
@@@ This is a repair requirement.		

Line Items

Line Item:	0001
Product Description:	Special Material Identification Code SR
	Shelf-Life Code 0
	Shelf-Life Action Code 00
	Nomenclature INDICATOR,TURN AND
	Returnable Container No. 8145010163451
	Vendor's (Seller's) Part Number 25583 501-1186-01 ITEM
	Continuation (ID Number Spans Multiple Product ID Data Elements) D001
	Material Control Code E
	National Stock Number 6610011854939

Line Item Delivery Lead Time

* **Lead Time:**	From Date of Award to Date of Latest Delivery

Internet

COMMERCIAL ENTERPRISE OMNIBUS

Support Services

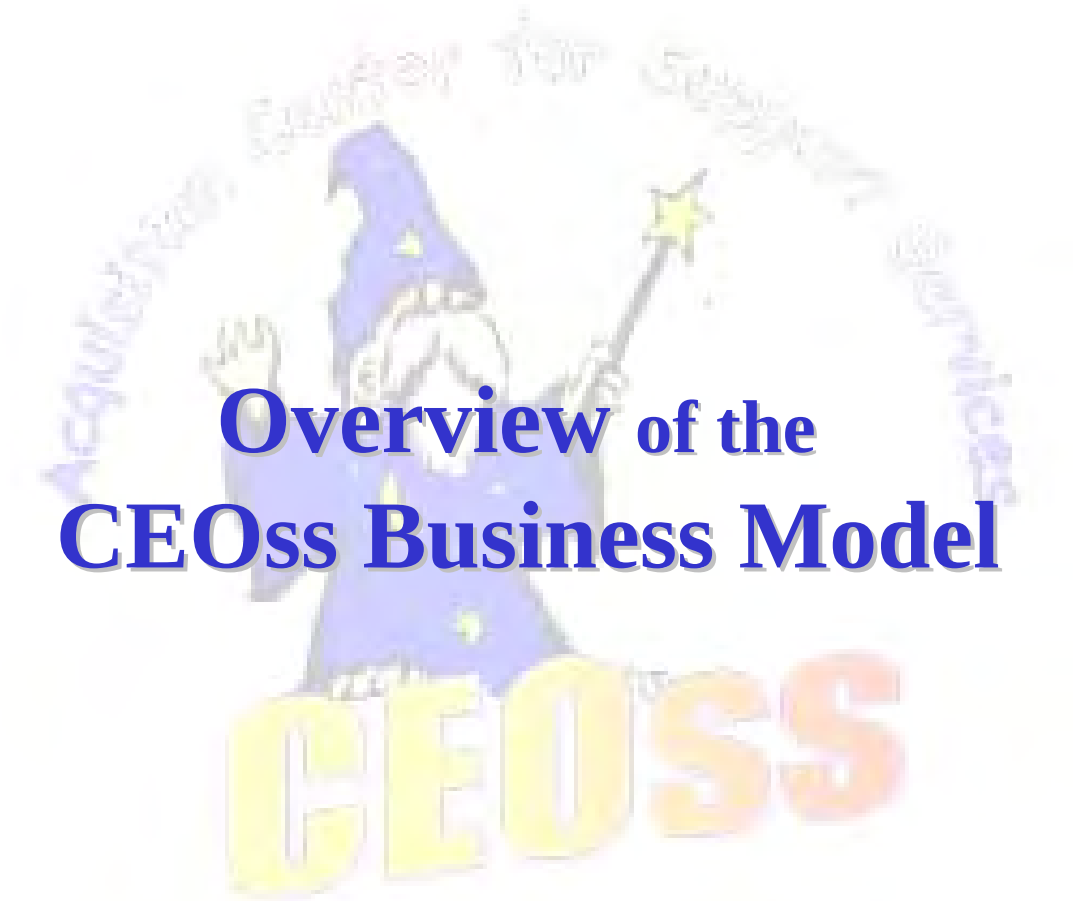


Advanced Planning Briefing to Industry

Mark Hoyland, CPCM, PMP
Director, ACSS

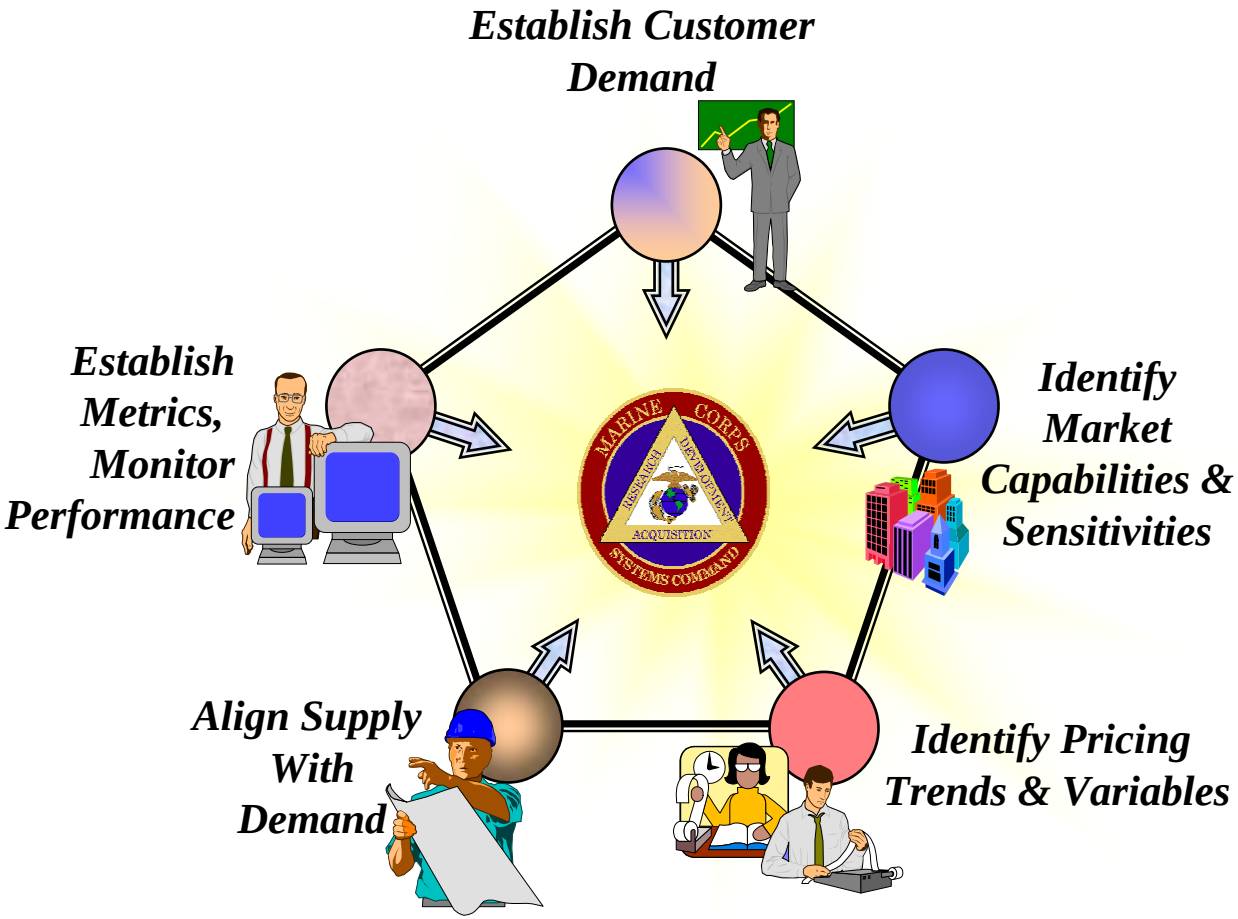
Discussion Agenda

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



Overview of the CEOss Business Model

CEOss Business Model



Current MCSC Organization

MCSC Customer Base

- ✓ $3.6B+ Annual Appropriation
- ✓ 1300 Customers
- ✓ $190M+ Annual Services
- ✓ 27 - Prime Vendors
- ✓ ~158 Participating Firms

$20M+ Services Budget

HIGH VOLUME CUSTOMERS

Transportation / Engineer Systems
Armor & Fire Support
Infantry Weapons Systems
MAGTF C4ISR
Battle Management / Air Defense
Information Systems & Infrastructure
Combat Equipment / Support Systems

PG16
PG15
PG14
PG13
PG12
PG11
PG10

ASST CMDR TECH
ASST CMDR Eng
ASST CMDR LC SPT
ASST CMDR ACQ LOG
ASST CMDR Programs
ASST CMDR Contracts
ASST CMDR Ops
PM LAV
PM LW 155
PM TRASYS
PM AMMO
IP DIR
DEP CMDR C4I INTEG
SE&I Group
MCTSSA
Dir, ACSS

$1M(-) Services Budget

LOW VOLUME CUSTOMERS

$1 - 10M Services Budget

MODERATE VOLUME CUSTOMERS

Guidance & Objectives

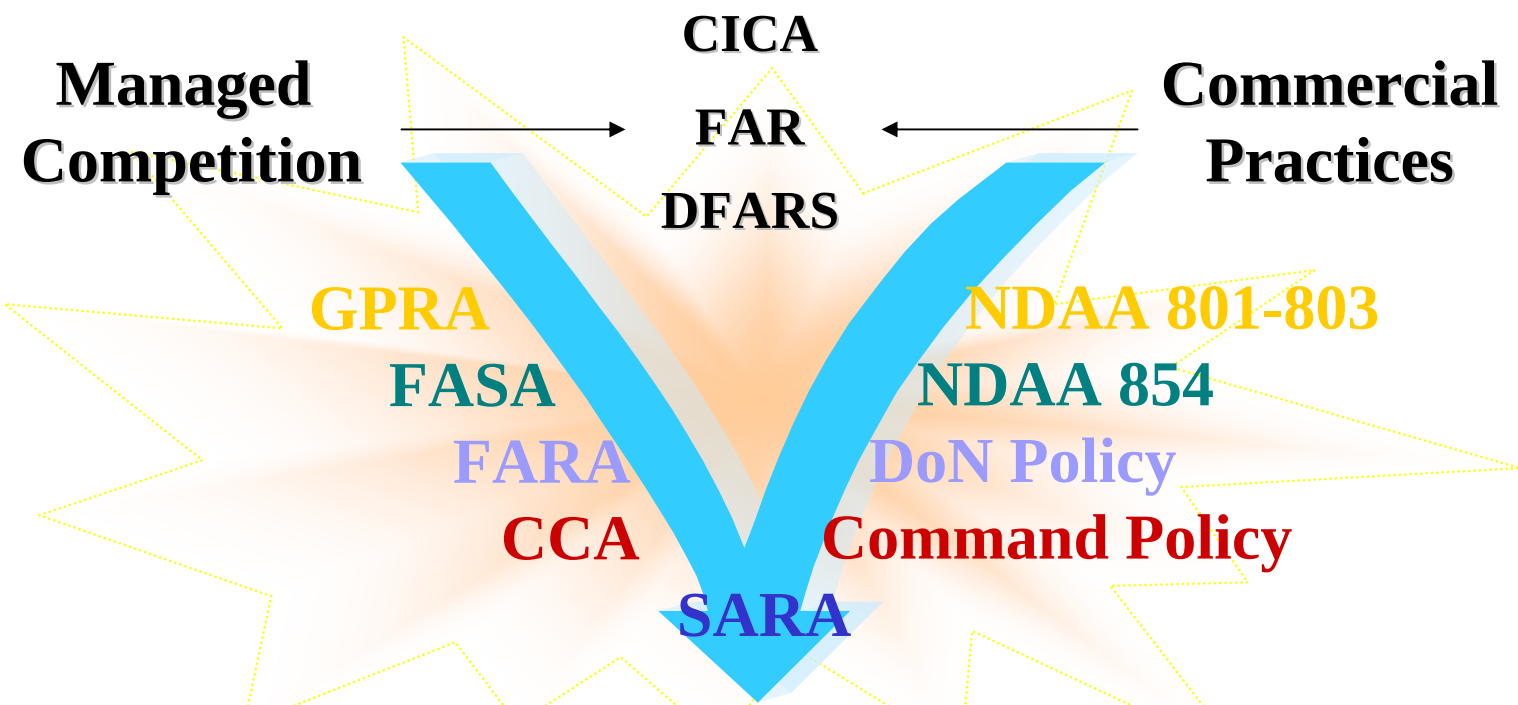
Overarching Procurement Guidance

- 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



BPAs are competitively Awarded using “two-step” Process

All Task Orders are competed among Domain Prime Vendors

Price / Performance-based Acquisition Practices Applied

eP^2 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

ACSS role – *Harmonious Balance*

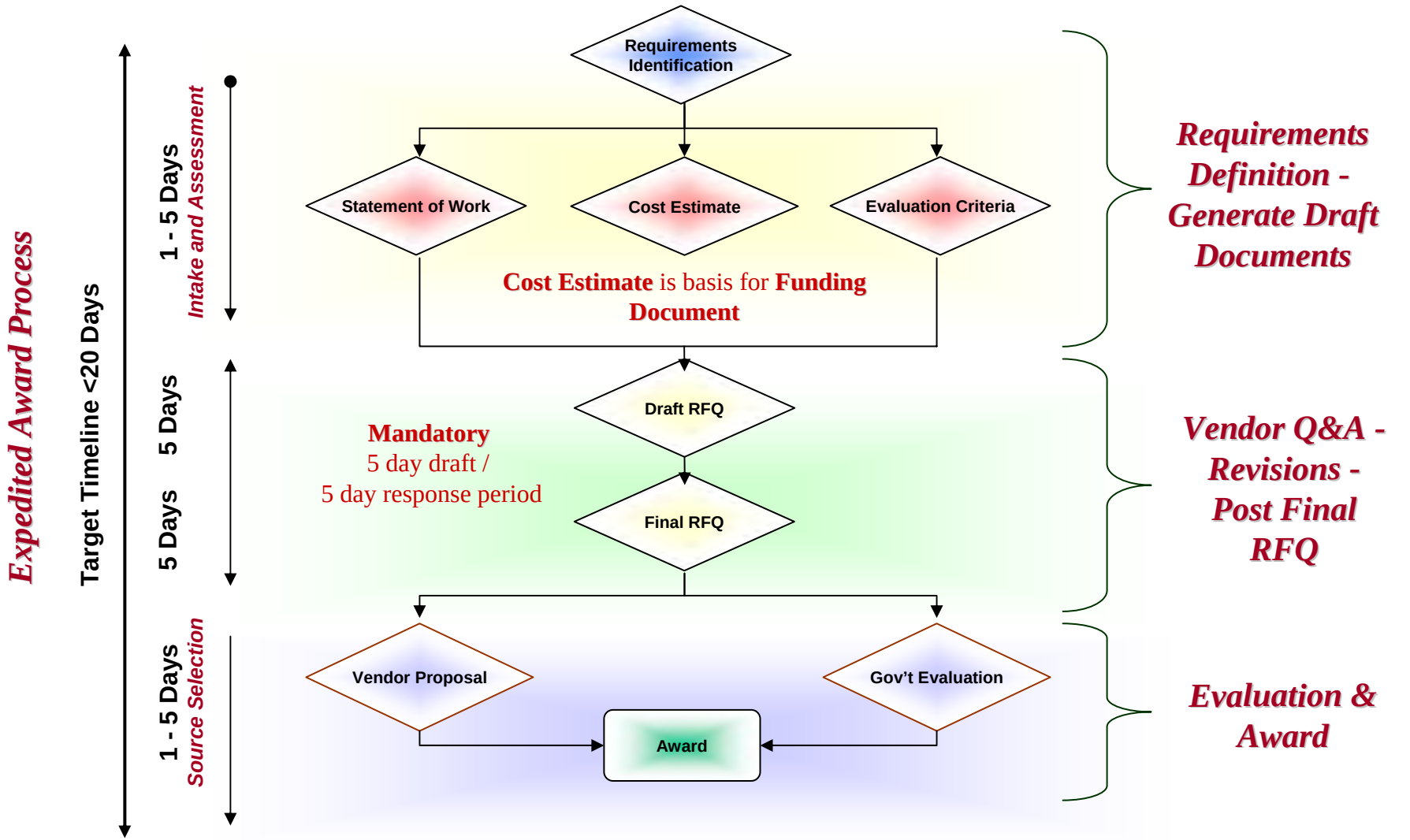


Customer Cycle Time v. Vendor Profitability

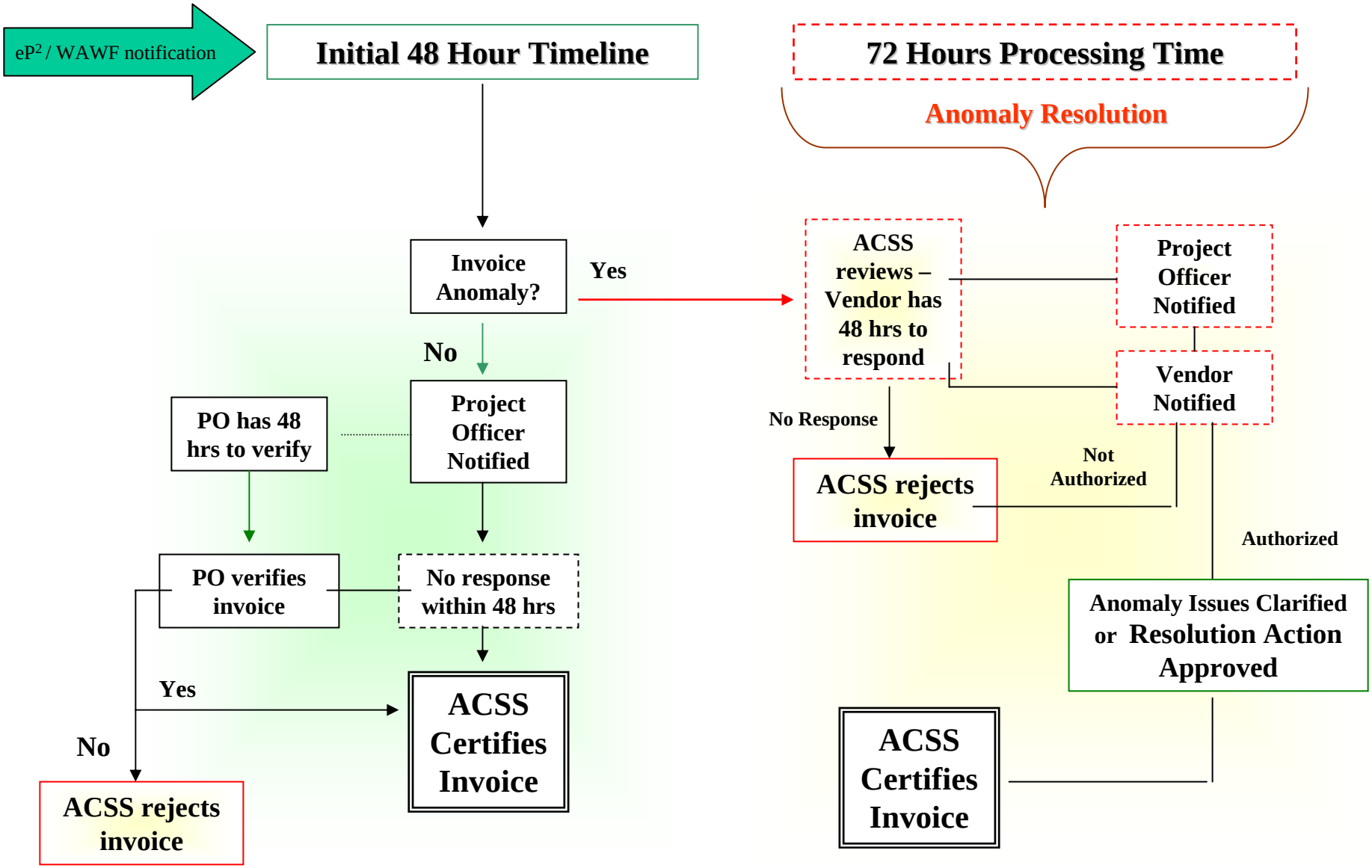


- Industry Customers
  - Operating Efficiency
    - Cash Flow / Capitalization
    - Facilities / Resource Pool
  - Market Share
  - Continuity of Work
  - Dynamic Teaming
    - Unrestricted Relationships
    - Long-Term Strategies
  - Commercial Model
    - GSA Rate Schedule
    - Performance Driven

CEOss Customer Process Model



CEOss Industry Process Model



CEOss Business Model





ACSS Role & Responsibility

ACSS Interfaces

MARCORSYSCOM



PG / PMM Sponsors initiate Task Orders via Web Interface

PUBLIC



ACSS Office

eP²



ACSS Office Manages the Business Interface and Task Order Processing Mechanics via eP²

INDUSTRY

Prime Vendors Propose on Task Orders issued In their Domain via eP²



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

‘Open Season’ Assessment Process

1 Engineering & Scientific

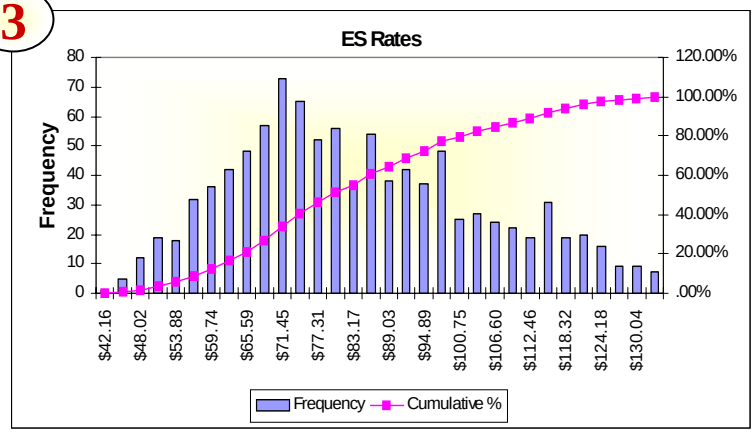
GSA Schedule 874 – MOBIS
GSA Schedule 871 – Engineering Services
GSA Schedule 70 – IT Services & Support

Prime Submission	Size	Scd.
Redacted	SB	871
	LB	871
	LB	871
	LB	871
	LB	871
	SDB	871
	SDB	871
	LB	70
	LB	871
	SB	871
	LB	70
	SB	70
	SB	871
	SB	70
	SDB	70
	LB	871
	SDB	70
	LB	871

2

Vendor / Size		Weak	Adequate	Strong	
Redacted	82	0%	18%	82%	86.60%
	82	0%	23%	77%	86.60%
	82	0%	27%	73%	86.60%
	88	0%	41%	59%	80.00%
	84	0%	64%	36%	73.30%
	82	0%	73%	27%	66.60%
	82	5%	91%	5%	53.30%
	82	5%	95%	0%	53.30%
	82	36%	59%	5%	46.60%
	80	36%	59%	5%	33.30%
	80	27%	73%	0%	33.30%
	78	32%	68%	0%	26.60%
	78	41%	59%	0%	20.00%
	78	64%	36%	0%	6.60%
	78	64%	36%	0%	6.60%
	70	77%	23%	0%	0.00%

3



4

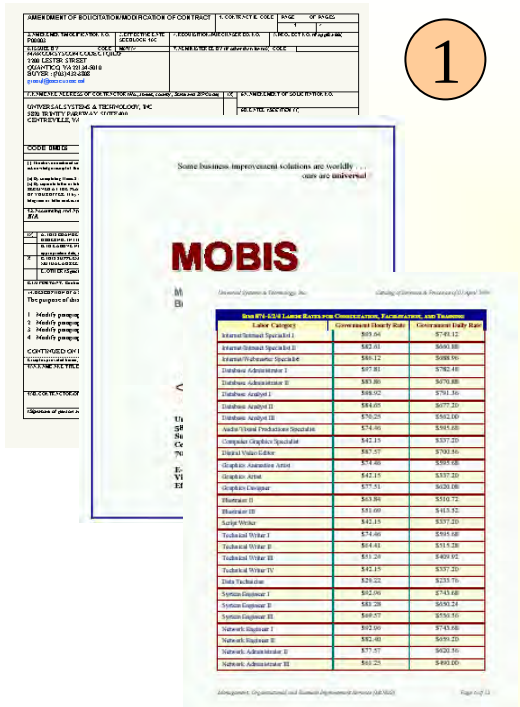
ES Domain Rankings

80%	70%	60%	50%
4	5	6	8

Cumulative →

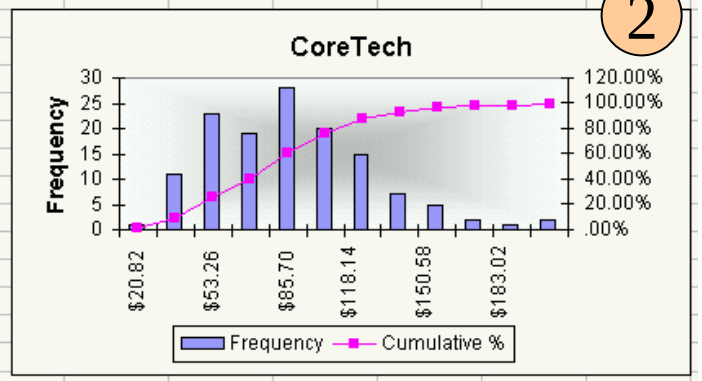
CEOss Sampling Methodology

1



2

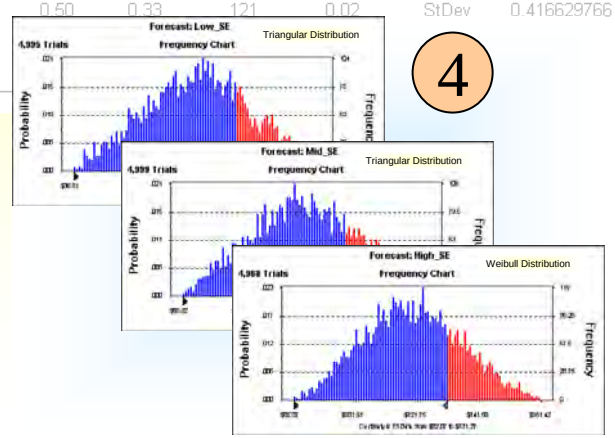
CoreTech	Frequency	Cumulative %
$ 20.82	1	.75%
$ 37.04	11	8.96%
$ 53.26	23	26.12%
$ 69.48	19	40.30%
$ 85.70	28	61.19%
$ 101.92	20	76.12%
$ 118.14	15	87.31%
$ 134.36	7	92.54%
$ 150.58	5	96.27%
$ 166.80	2	97.76%
$ 183.02	1	98.51%
More	2	100.00%
	134	



3

Total Rates	6,522					33.65	Total StDev		SE / ES	ALA / ES
Me	$46.20	$78.68	$124.23	$87.36	0.18	0.51	0.32		2081	1,580
S	$4.35	$8.40	$14.24						32%	24%
	L	M	H	Perform $	L	M	H	Rate Count	% Rates	
CoreTech	$44.57	$74.24	$113.12	$81.91	0.20	0.45	0.35	134	0.02	Probability -
ValCo	$41.67	$68.78	$110.03	$77.79	0.17	0.50	0.33	645	0.10	Lower Bound -
BMA, Inc.	$50.46	$85.98	$130.00	$93.06	0.16	0.55	0.29	179	0.03	# of Rates Included -
RNC, Inc.	$37.93	$61.38	$110.39	$73.57	0.17	0.50	0.33	110	0.02	
GBNA	$40.18	$93.00	$119.97	$88.92	0.21	0.53	0.26	6	0.00	Rate $110.05
RDP Enterprise	$51.81	$82.32	$113.03	$87.27	0.17	0.50	0.33	121	0.02	StDev 0.416629766
PBR	$56.84	$83.32	$128.51	$93.73	0.17					
Alco	$49.21	$83.81	$143.00	$97.46	0.17					
Vendo	$41.16	$70.24	$ 134.38	$86.46	0.17					
				00	$88.21	0.17				

4



5

		IT Task Builder Module		
+	1	3 / 4-GL Programming	MID	$84.67
-	2	Administration	LOW	$32.22
+	3	Application Design & Testing	MID	$86.86
+	4	Computer Engineering	LOW	$51.64
+	5	INFOSEC / System Security	MID	$86.67
+	6	IT Architecture Design	MID	$85.79
+	7	IT Performance Measurement	MID	$89.90
+	8	IT Planning & Studies	LOW	$52.53
+	9	IT Program Analysis	MID	$87.63
-	10	IT Requirements Analysis	LOW	$55.84
+	11	LAN / WAN Technologies	MID	$87.72
-	12	Management	MID	$85.83
+	13	Network Operations	MID	$85.69
+	14	RDBMS & GUI Design	MID	$87.72
-	15	SW Documentation	LOW	$50.53
-	16	System Analysis & Design	LOW	$52.22
+	17	System Level Testing	LOW	$52.71
-	18	Technical Trades & Surveys	LOW	$53.37
-	19	Telecommunications Planning	LOW	$53.29
-	20	Training Analysis	LOW	$47.26
				$84.74

CEOss FY06 Domain Players

Results by Domain

Specialty Engineering

- **FY05 Base**: 8 Prime Awards
- **Awards**: 86 TO's / ~$100M / $27M FY06
- **Ave. Team Members**: 15
- **Primes**: AOT, AT&T, Battelle, CSC, EMA MTC, Unitech

Business & Analytical

- **FY05 Base**: 4 Prime Awards
- **Awards**: 47 TO's / ~$42M / $8M FY06
- **Ave. Team Members**: 12
- **Primes**: Booz-Allen, Kalman, MCR, RCI Serco

Engineering & Scientific

- **FY05 Base**: 8 Prime Awards
- **Awards**: 114 TO's / ~$234M / $54M FY06
- **Ave. Team Members**: 15
- **Primes**: Anteon, BAE, DCS, OSEC, NGIT, Jacobs-Sverdrup, SAIC, Westar

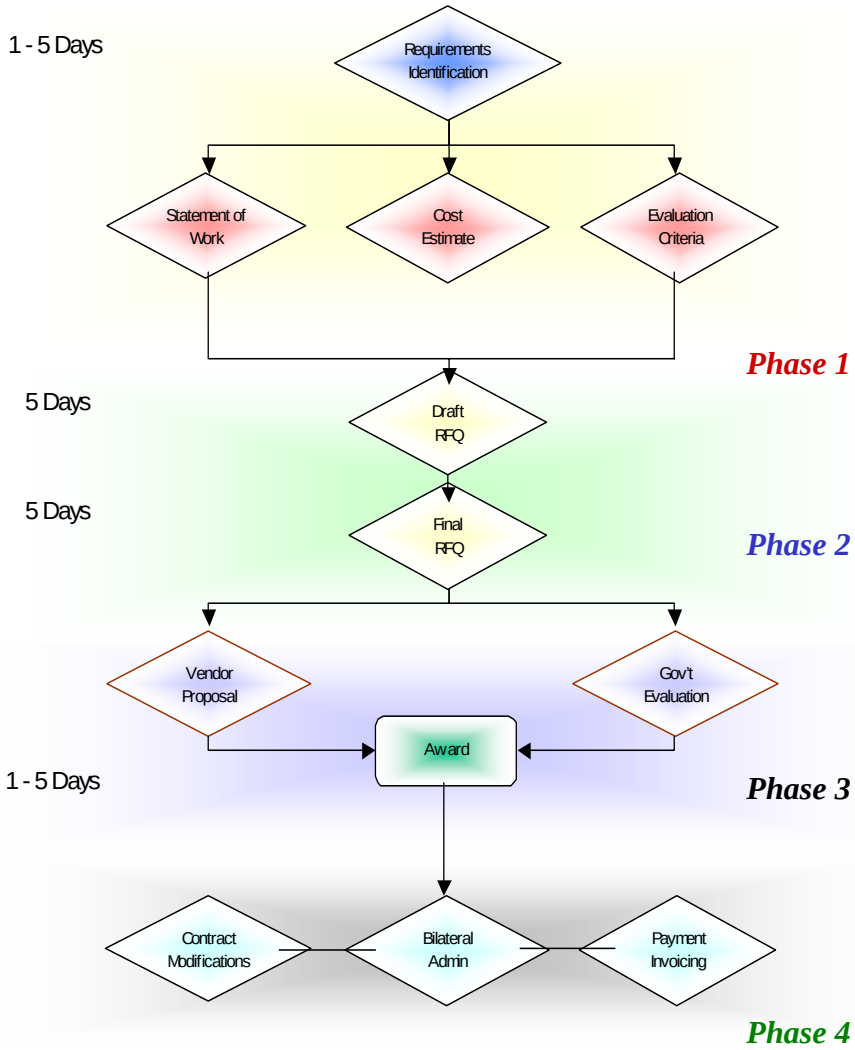
Acquisition, Logistics & Admn.

- **FY05 Base**: 7 Prime Awards
- **Awards**: 120 TO's / ~$173M / $55M FY06
- **Ave. Team Members**: 14
- **Primes**: CRC, EG&G, INS/LM, Logis-Tech MKI, Thomas Associates, Titan L3

27 Prime Vendors / 154 Participating Firms

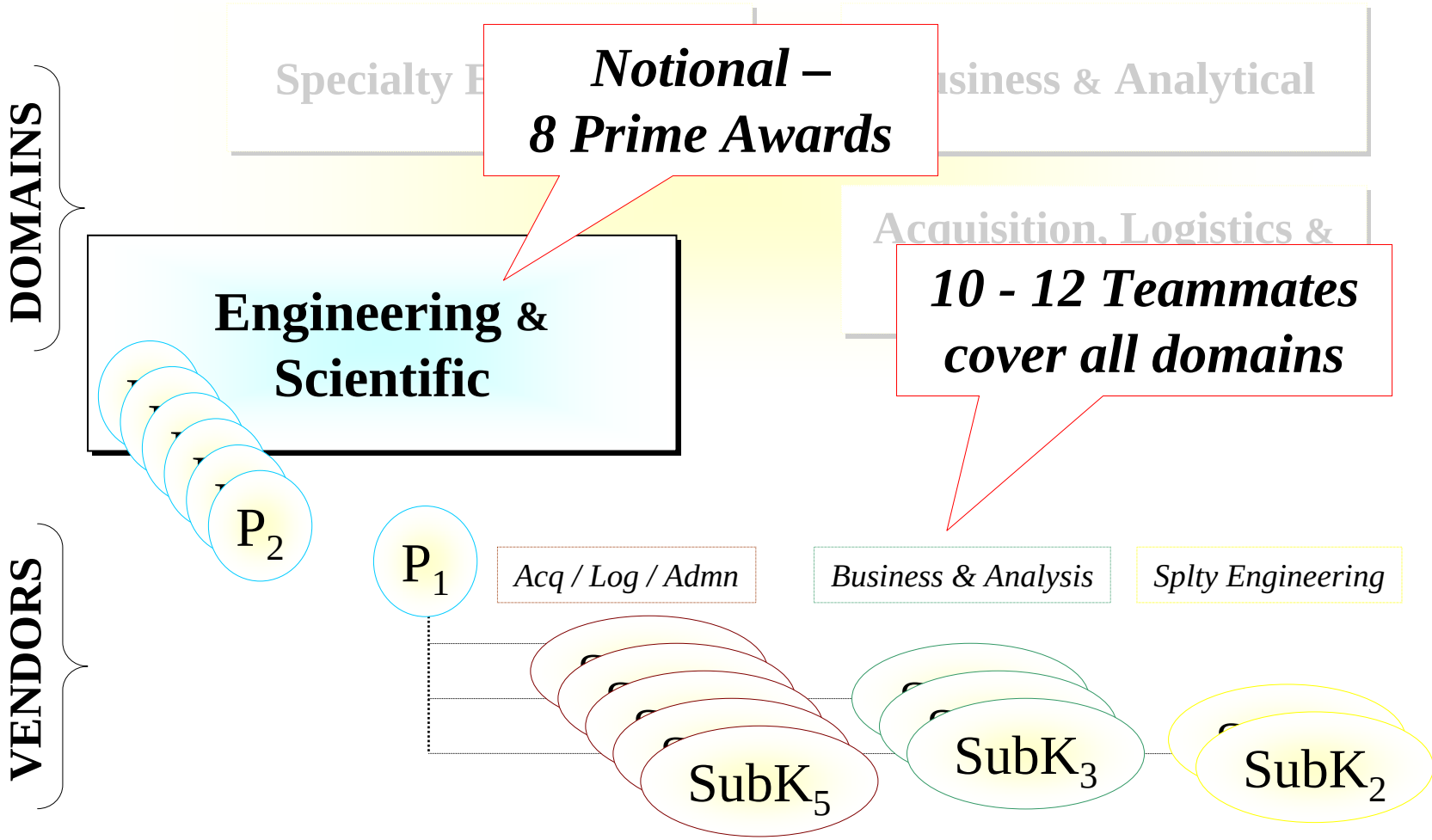
- ✓ **36% CEOss Vendors - Tier 1 - $80M+ / 5+ Schedules / Active Selling Strategy**
- ✓ **36% CEOss Vendors - Tier 2 - $30-80M / 3+ Schedules / Agency Footing**
- ✓ **28% CEOss Vendors - Tier 3 - <$30M / 3+ Schedules / Opportunity-centric**

ACSS Operating Profile



- ✓ Main ACSS Constraint - ***Resources***
- ✓ 5 FTEs / 2 1102 Interns / 2 Contractors
- ✓ Ave. 30-hrs./$1,650 per Task Order
- ✓ High Concentration on Front-end
- ✓ 20-day Timeline is *Optimal*
- ✓ 55% of Cost allocated to Interns
- ✓ FY05 Operating Costs - ~$53.95-hr.
- ✓ Invoice Processing <5-days
- ✓ DFAS Payment ~27-days
- ✓ Invoice Rejection Rates <.001%

CEOss BPA Teaming



CEOss FY06 Vendor Teams

Acquisition Logistics / Business & Analytical

Acquisition, Logistics and Admin							
EG&G	EDO	INS	MKI	Titan	Logis_Tech	Thomas Associates	CRC
Aladon	AOT	AT&T	Aladon	Anteon	ASC	Anteon	Alion
Alion	AT&T	BAE	Anteon	AT&T	AT&T	AOT	AMTI
AOT	IHS	CACI	AOT	Battelle	E-OIR	Business Plus	BRTRC
BAE	INS	CoTs	Battelle	EMA	GeoCenters	EG&G	GTRI
BAH	IR Tech	EDO	Camber	MCR Federal	Jacobs Sverdrup	ManTech	LOGIS-TECH
DCS Corp.	MTC	Professional Solutions	CSC	MKI	MKI	MTS	PDSI
MTC	MTI	Sapient	Jacobs Sverdrup	NGMS	NATC	TSC	RCI
NGMS	NGMS	Sentel	Kalman	OSEC	TSC		
OSEC	Portal Dynamics	Smartronix	MCR Federal	Patricio Ent.	Unitech		
Radian	RCI/Serco		NATC				
RCI	Sapient		NGMS				
Stanley Assoc.	SRA		PDS				
Teledyne Brown	TSC		Titan				
Westar	Unitech		Versar				
15	15	10	15	10	10	8	8
						ALA Average →	11

Business and Analytical			
Kalman	BAH	RCI	MCR Federal
Anteon	Alion	Alion	AT&T
BAE	BAE	CRC	CACI
BAH	Battelle	EDO	Galorath Inc.
Battelle	CSC	EG&G	EMA
Camber	Dana Corp.	Sapient	Jacobs Sverdrup
Coalescent Tech	EG&G		Kalman
CSC	Intrepid Solutions		KPMG
DDG	Kalman		LMI
Jacobs Sverdrup	ManTech		MKI
JRAD	MKI		Titan
MCR Federal	NGMS		TSC
MKI	OSEC		Westar
NGMS	Smartronix		
Patricio Ent.	Stanley Assoc.		
	Tecolote Research		
15	16	6	13
		BA Average →	13

CEOss FY06 Vendor Teams

Engineering Scientific / Specialty Engineering

Engineering and Scientific							
Anteon	**BAE**	**DCS**	**NGMS**	**OSEC**	**SAIC**	**Westar**	**Jacobs Sverdrup**
Access Systems	Alion	BMH	ASC	BBNT	EMA	MTC Technologies	ASC
ADVANTRIX	AOT	EG&G	AT&T	Alion	Flatter Assoc.	MCR Federal	Battelle
AMTI	BAH	Keane Federal	BAE	BAE	Galaxy	EG&G	CSC
ATK	CSC	L3 Communications	BAH	BAH	ManTech	Wylie Labs	E-OIR
Battelle	DTI Assoc.	ManTech	Bulldog	CenGen	MIRC	SRC	Kalman
CACI	EG&G	SURVICE Engineering	EDO	CSC	OSEC	RNB	LMI
CoTs	INS	Wyle Labs	EG&G	EMA	Skylla Engineering	SURVICE Eng.	LOGIS-TECH
IM Solutions, LLC	Kalman		EMA	MTC Services	Telcom Network	Foster-Miller	MCR Federal
Kalman	MTC		Flaggshipp	SAIC	Westar		MKI
MKI	NGMS		IR Tech	Titan			NATC
O'Neill Associates	OSEC		MKI				Oracle
Robbins-Gioia	TAIC		RNB				PDSI
SDS	Tec-Masters		TAIC				STC
Sierra Cybernetics	Tecolote Research		Titan				Versar
Smartronix							
22	15	8	15	11	10	9	15
						ES Average →	**13**

Specialty Engineering						
AT&T	**EMA**	**MTC**	**AOT**	**Battelle**	**CSC**	**UNITECH**
EDO	Anteon	BAE	Alion	Anteon	Alion	Anteon
Flatter Assoc.	BAE	ChemCor	BAE	BAH	BAE	BMH
GD-NS	DCS	CoTs	EDO	CSCI	BAH	CACI
INS	MCR Federal	EAI	EG&G	Jacobs Sverdrup	DST	Centuria
IR Tech	MTC Services	Intergraph	E-OIR	JRAD	GD-NS	EDO
MCR Federal	PHACIL	Lyon Valley	JRAD	Kalman	Jacobs Sverdrup	FCNI
NGMS	SAIC	NATC	MKI	MKI	Kalman	Radian
PDS	Titan	ORSA	OSEC	Patricio Ent.	K-Force	Sapient
RTSI	TSC	SimVentions	TAIC	RNB	MDA Tech	SRS
SAIC		Westar		SPA	MKI	TMG
Smartronix		Global Tech Pro		SURVICE Eng.	NS Software	
SRA				Tecolote Research	OSEC	
Titan				Titan	RNB	
					Skylla Engineering	
					SRA	
14	10	12	10	14	17	11
					SE Average →	**13**



Key Business Metrics

CEOss Results

Through 3/24/2006

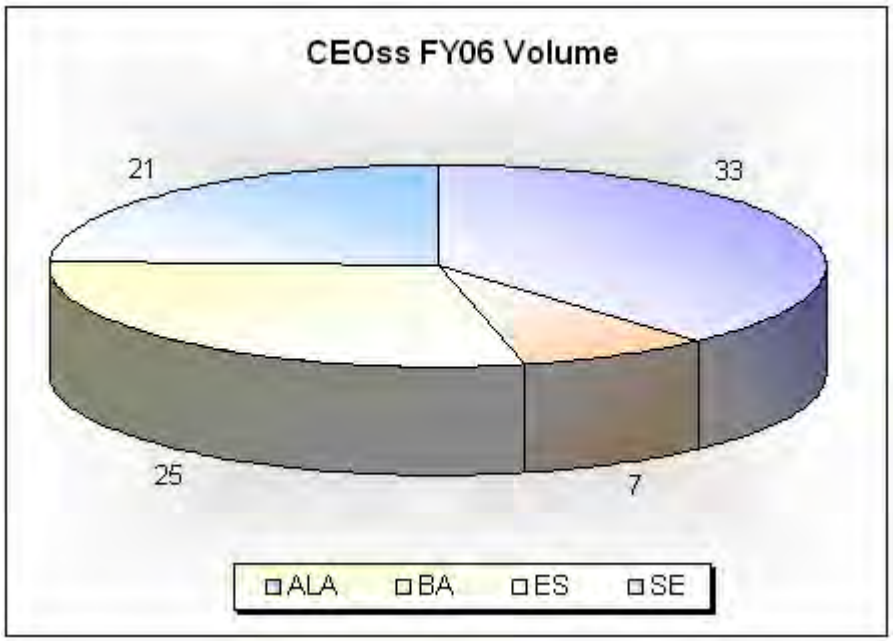
Grand Total CEOss Business to Date+			
ALA -	120	33%	$172,299,754
BA -	47	13%	$41,288,716
ES -	114	31%	$233,202,183
SE -	86	23%	$98,003,549
	367		$544,794,202
+ Including Mods			

FY03/04			
ALA	47	29%	$48,867,013
BA	26	16%	$13,747,367
ES	54	34%	$94,776,548
SE	33	21%	$28,641,215
G/Total	160		$186,032,143
FY05			
ALA -	43	33%	$60,455,019
BA -	15	11%	$18,906,028
ES -	37	28%	$74,158,389
SE -	36	27%	$36,074,907
G/Total	131		$189,594,343
FY06 *thru 3/21*			
ALA -	30	39%	$54,772,972
BA -	6	8%	$7,239,084
ES -	23	30%	$53,162,380
SE -	17	22%	$28,620,591
G/Total	76		$143,795,027

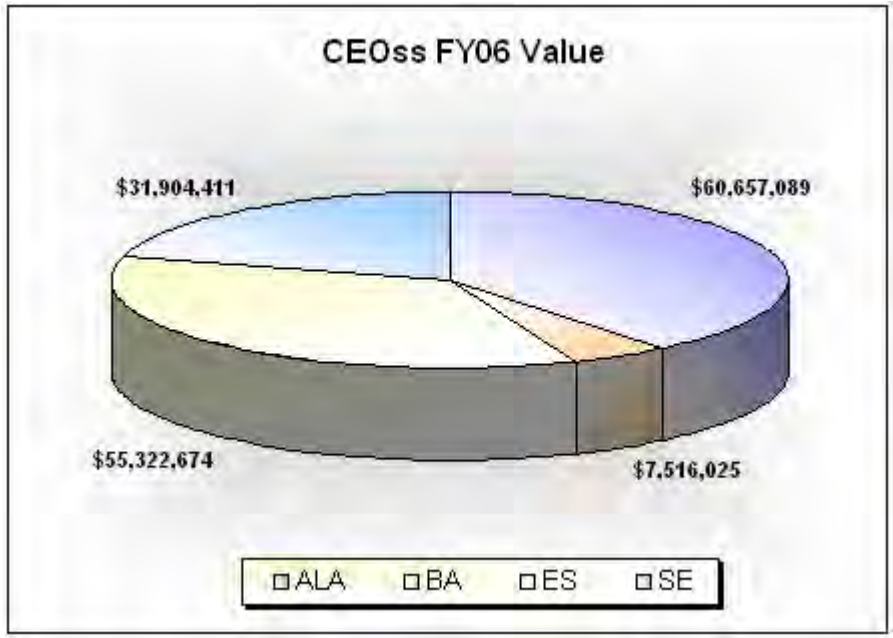
- Expect Annual Volume of ~140 Tasks
- FY06 Competition Levels < Anticipated
- Winning Scores >.95 Across Domains
- PI Competition very Tight
- Evaluator's more Selective
- Multiple Tasks with Tied Tech Scores –
  - Two $1.5+M Tasks decided by <$10 total
  - Several others Equally Close
  - Due Diligence makes the Difference
  - Proposals need to be Fine Tuned

CEOss FY06 Volume

CEOss Work through 3/24



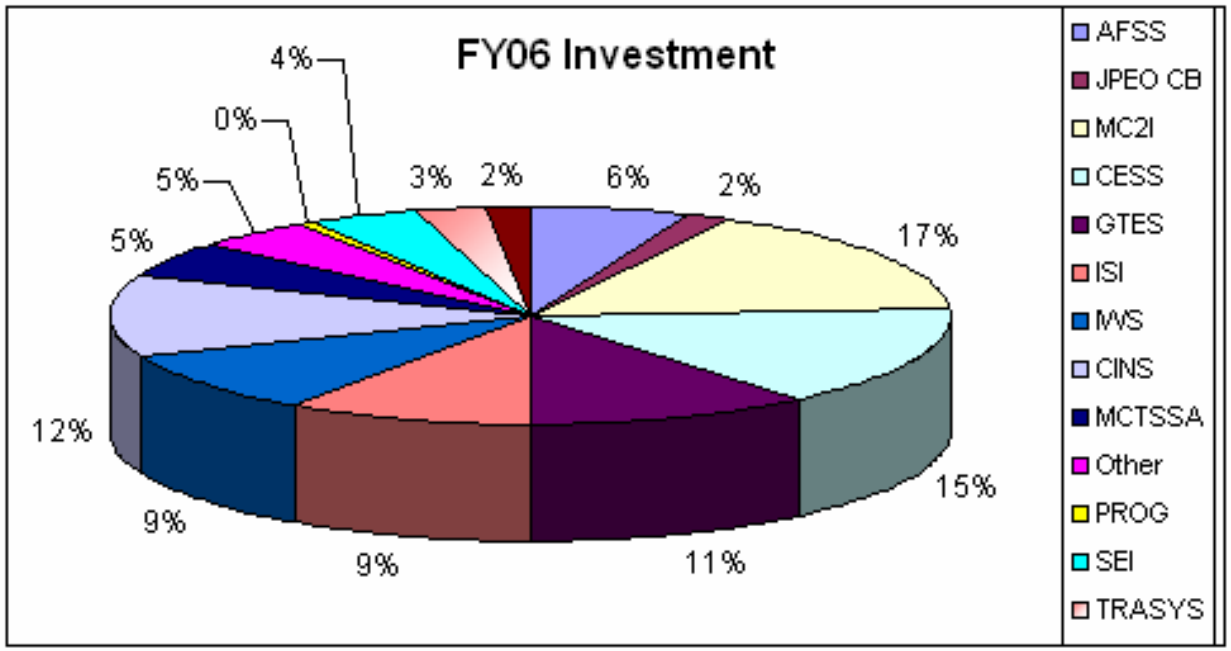
- Volume is Ahead of FY05
- More External Customers Involved
- ACSS Resources are “Tight”
- Turning Work Away due to Capacity



- Value is Ahead of FY05
- Likely to continue throughout the FY
- FY07 may see some Changes (<$$)
- Work with the PGs on your Options

CEOss Award Distributions

Command Investment Percentages



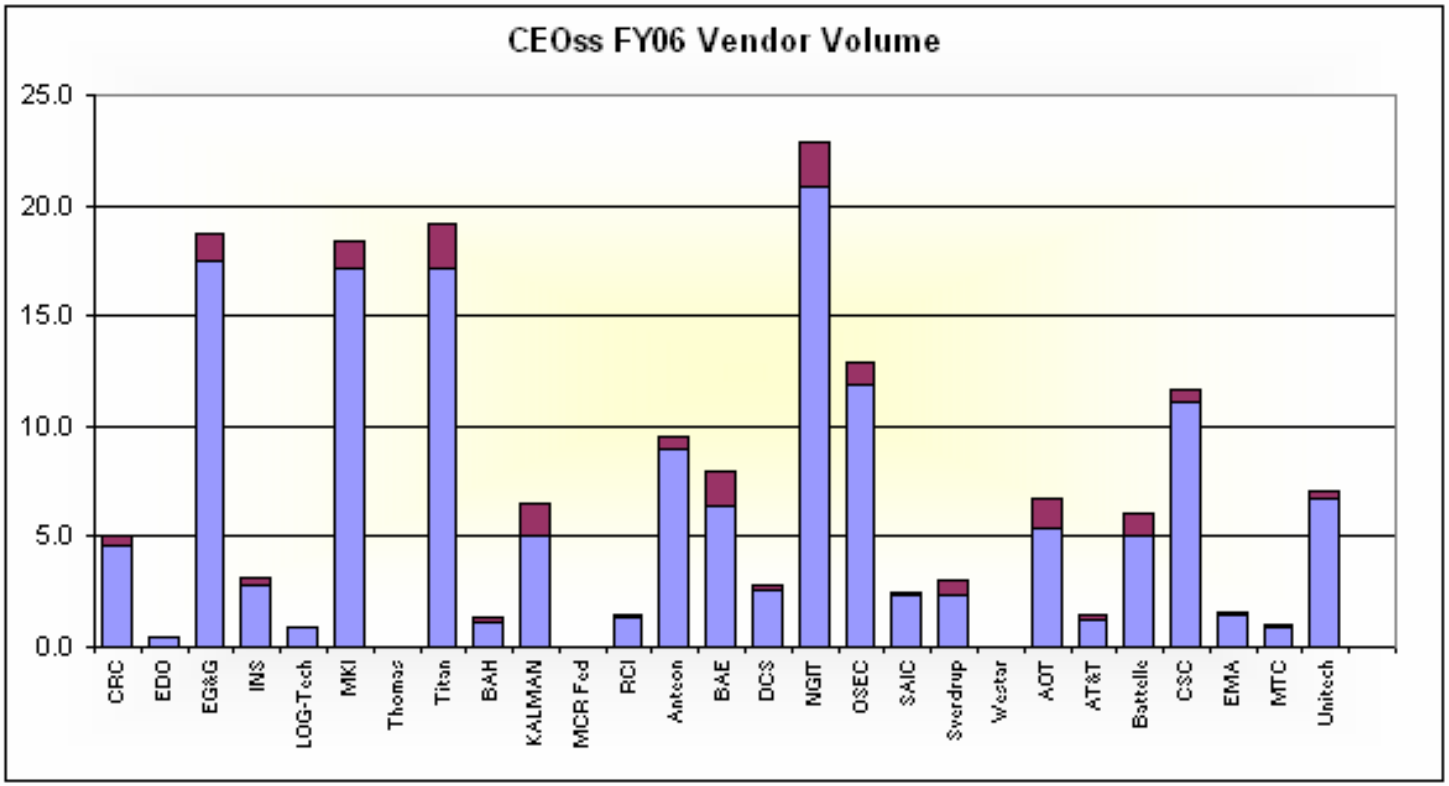
Office	Invest
AFSS	$9,514,079
JPEO CB	$2,469,743
MC2I	$25,302,254
CESS	$23,297,357
GTES	$17,324,929
ISI	$14,525,921
IWS	$14,543,018
CINS	$19,132,844
MCTSSA	$8,146,594
Other	$7,053,574
PROG	$595,006
SEI	$6,473,715
TRASYS	$4,286,299
MCCDC	$2,734,866

Historically -

- **MC2I, CESS, CINS and GTES obligate >$25M annually**
- **AFSS and IWS Efforts are Cyclical – Anticipate some Growth**
- **JPEO Work is Flat – Will not Expand in FY06**

CEOss FY06 Market

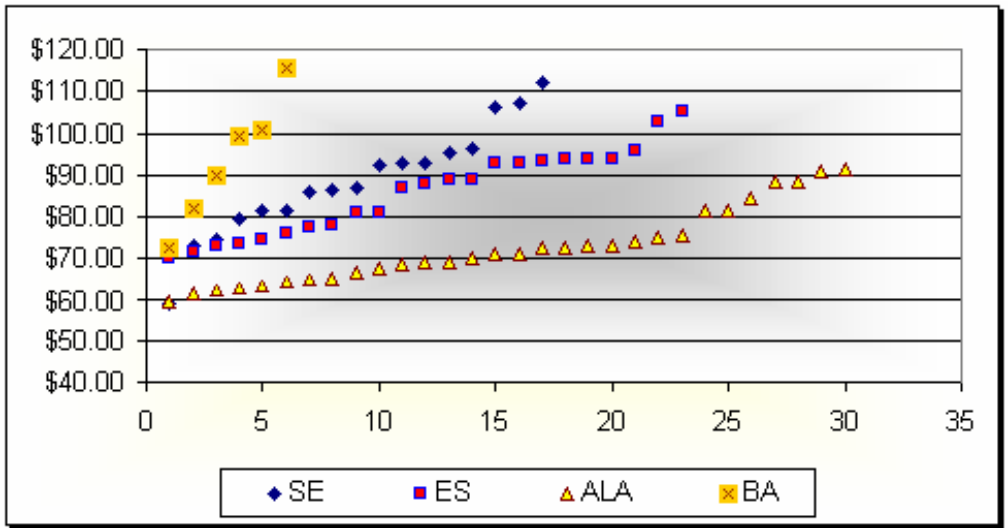
Customer / Vendor



Domain	Ave. Score	Ave. Winning Score	Competition per TO
ALA	91	97	49%
BA	93	99	94%
ES	93	98	49%
SE	92	97	55%

CEOss FY06 Pricing Trends

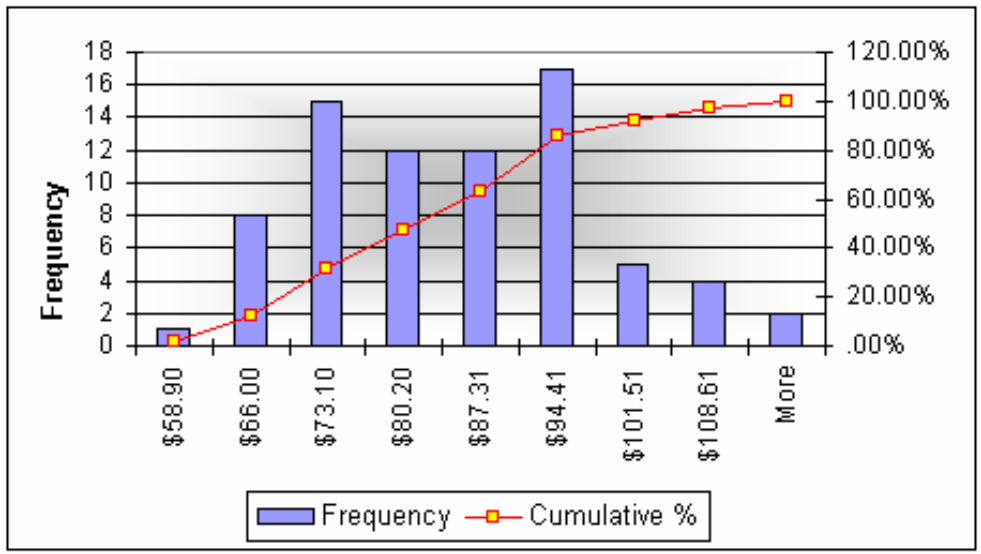
ALA / BA / ES / SE



FY06 Winning Offeror Pricing -

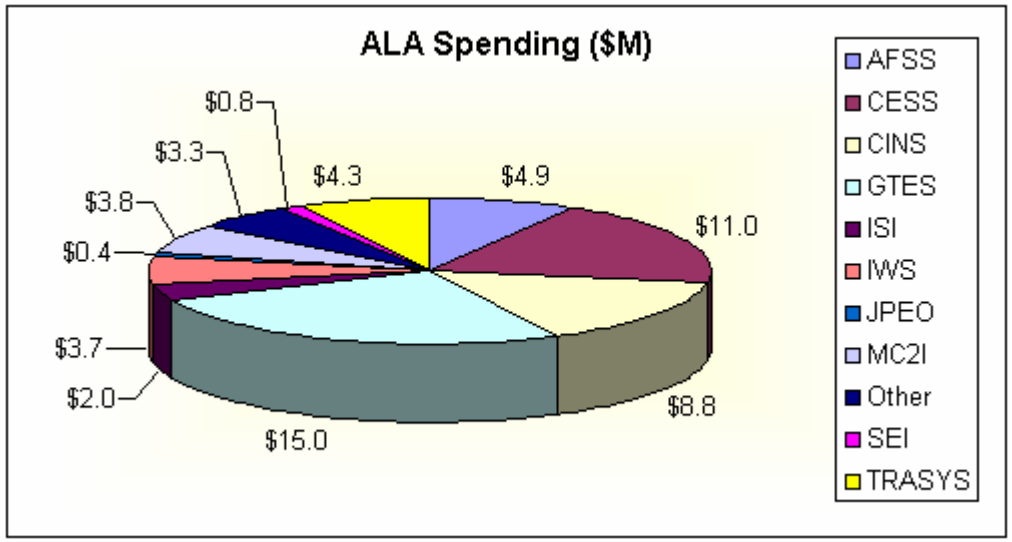
ALA Mean - $72.63 {$59 - $91}
BA Mean - $93.40 {$73 - $116}
ES Mean - $85.79 {$70 - $105}
SE Mean - $88.40 {$59 - $112}

Rate	*Freq*	*Cum %*
$58.90	1	1.32%
$66.00	8	11.84%
$73.10	15	31.58%
$80.20	12	47.37%
$87.31	12	63.16%
$94.41	17	85.53%
$101.51	5	92.11%
$108.61	4	97.37%
More	2	100.00%



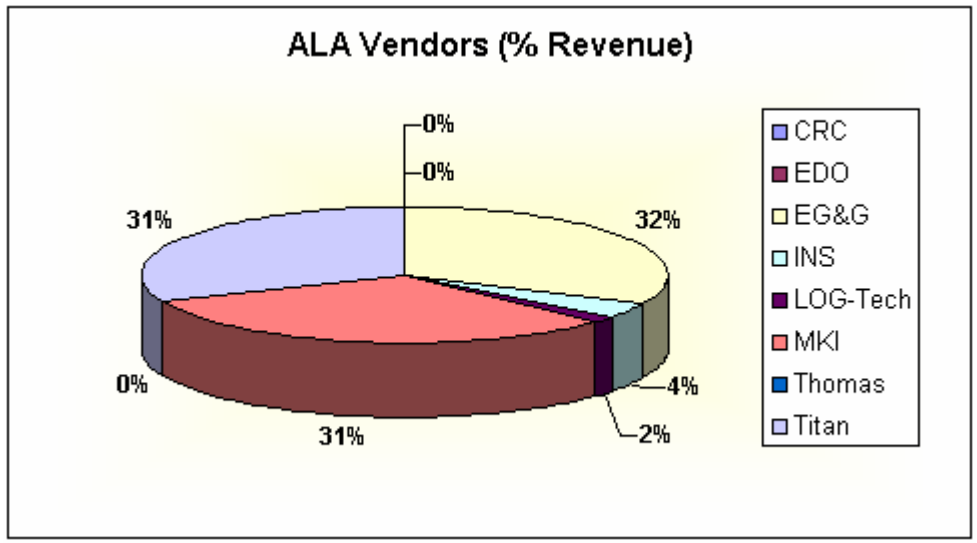
CEOss ALA Domain

Business Volume



- $54.8M Invested in FY06
- 32 Task Orders Issued
- CESS / MC2I / Other – Major Players
- Less Differentiated by Technical Scores

- Weakest Competition
- Tightest Vendor Performance Indices
- Pricing is a Discriminator
- Greatest Opportunity for Expansion



ALA Task Orders

Historical Priorities

PG 11 - MC2I	TBMCS Fielding and Training Support	Titan Systems, Corp.	$618,371	9/27/2005
PG15 - GTES	Support	EG&G	$9,815,959	9/29/2005
PG13 - IWS	Program Support	Titan Systems, Corp.	$3,495,193	9/30/2005
Other Activity	Maintenance Strategy	EG&G	$800,000	9/30/2005
PG 12 - CINS	Support	Titan Systems, Corp.	$8,782,722	9/30/2005
PG14 - AFSS	Support	Titan Systems, Corp.	$943,587	10/4/2005
AMMO	Ammo Quality Control and CM Support	EG&G	$547,889	10/6/2005
PG14 - AFSS	AFSS SBT Support	EG&G	$862,861	10/17/2005
PG14 - AFSS	Fire Support Systems Program Support	EG&G	$3,062,935	10/20/2005
SE&I	Control (CPAC)	MKI Systems	$389,067	10/27/2005
PG 11 - MC2I	Program	MKI Systems	$928,559	10/31/2005
PG 12 - CINS	Training Assessment	INSLM	$148,112	11/9/2005
PG 11 - MC2I	Renewal: GBAD Transformation Support	EG&G	$300,676	11/22/2005
PG 11 - MC2I	Support	Titan Systems, Corp.	$1,778,491	11/23/2005
JPEO CBD	Study	MKI Systems	$381,575	11/30/2005
Other Activity	Response Cell Support	Titan Systems, Corp.	$236,514	12/6/2005
PG15 - GTES	PM MT OPS and Logistics Support	INSLM	$1,371,915	12/7/2005
PG16 - CESS	NBCDS	MKI Systems	$5,070,520	12/13/2005
PG16 - CESS	TMDE Program Support	EG&G	$1,254,452	12/30/2005
PG16 - CESS	Combat Camera and Public Affairs	LOGIS-Tech	$689,314	12/30/2005
PG 11 - MC2I	Training Analysis	MKI Systems	$458,697	1/5/2006
Other Activity	Liaison	INSLM	$1,954,798	1/9/2006
Other Activity	TTF	EG&G	$501,205	1/9/2006
SE&I	Renewal: SCATT Annual Support	MKI Systems	$447,794	1/10/2006
TRASYS	PM TRASYS Annual Support	MKI Systems	$4,286,299	1/31/2006
PG16 - CESS	TMDE CTMS Annual Support	EG&G	$800,440	1/31/2006
Other Activity	AC PROD Annual Support	MKI Systems	$476,626	2/9/2006
PG15 - GTES	Support	MKI Systems	$1,895,430	2/10/2006
PG13 - IWS	Renewal: Distributed Operations Support	Titan Systems, Corp.	$396,718	2/10/2006
Other Activity	ACLOG Annual Support	MKI Systems	$984,218	2/14/2006
PG10 - ISI	System (DTS) Program Management	EG&G	$650,045	3/1/2006
PG10 - ISI	MCEITS PO Support	Titan Systems, Corp.	$1,341,387	3/9/2006

Priorities

- → **Performance Based Logistics**
- → **Warranty Support & Fielding**
- → **Foreign Military Sales**
- → **LOG MOD Initiatives / GCSS**
- → **Engineer Equipment**
- → **General Acquisition Support**
- → **Manpower & Training**
- → **Operational Assessments**
- → **Acquisition Documentation**

ALA Performance Trends

General Comments

Performance Findings

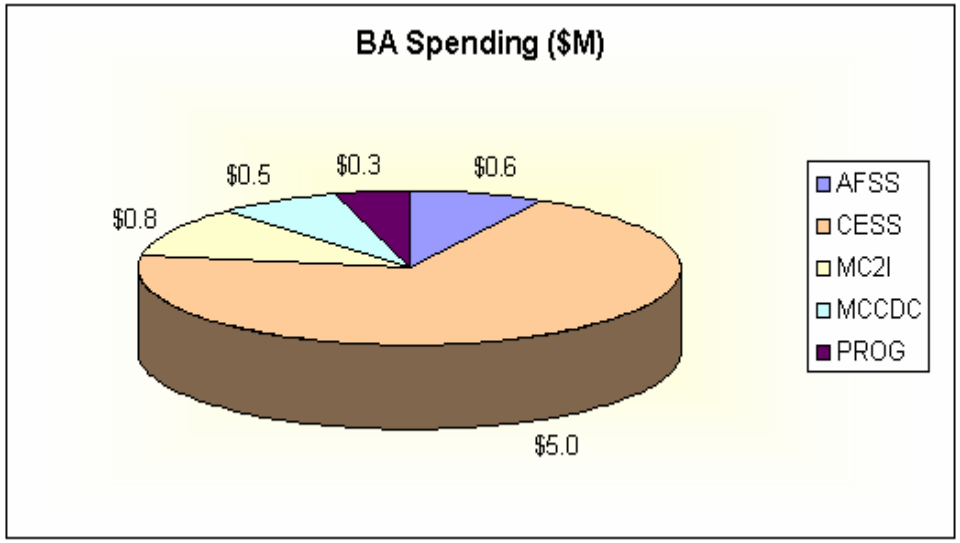
- 32 FY06 TOs / 120 Total TOs
- Ave. FY06 winning score for ALA competition: 97 / Blue
- FY05 - 94.8 / *High* Green
- 3 Firms control ~90% of ALA work in FY06
- Same Firms had ~75% of work within ALA last year
- Discounts average ~9%, with significant spot reductions
- SB prime revenue accounts for 35% of ALA total volume

ACSS Feedback

- Contractors need to accomplish meaningful "due diligence"
- Winning proposals provide *bona fide* solutions - not superficial discussion, stated *intent to comply*, over-reliance on past performance
- Companies effectively marketing the PGs are having the highest levels of success - word spreads quickly
- Discriminators are limited among Offerors – *ref*: Priorities
- Focus on emerging Trend Areas and Strength of your Team / Workforce

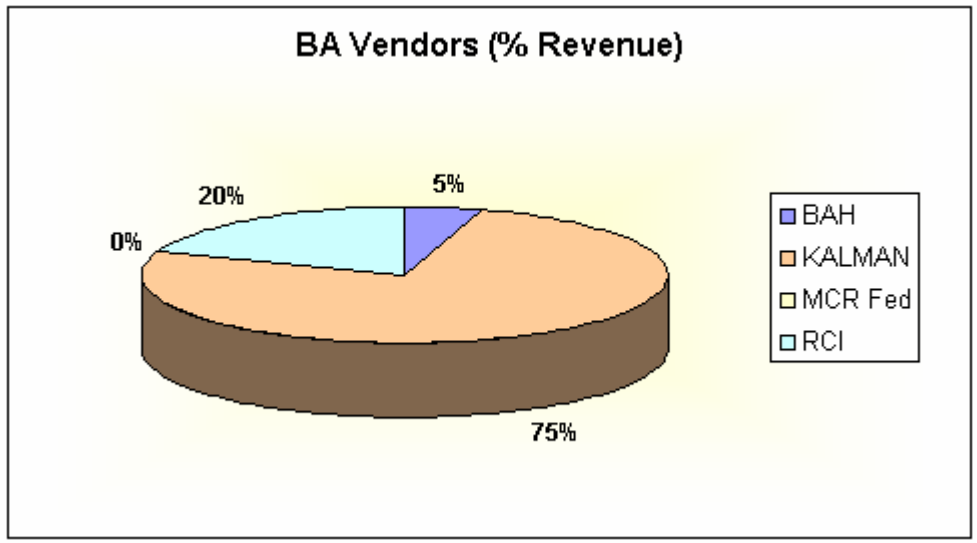
CEOss BA Domain

Business Volume



- $7.24M Invested in FY06
- 6 Task Orders Issued
- CESS / JPEO – Major Players
- Differentiated by Technical Scores

- Highest Levels of Competition
- Tight Vendor Performance Indices
- Pricing is not a Discriminator
- Difficult Investment area for MCSC



BA Requirements

Historical Priorities

PG 11 - MC2I	Renewal: BMADS Integrated Digital Environment Support	Booz-Allen, Hamilton	$283,810	9/26/2005
PG 11 - MC2I	Renewal: CAC2S PBL Business Case Analysis	Resource Consultants, Inc.	$203,742	10/7/2005
MCCDC	MAGTF JCIDS Integration	Resource Consultants, Inc.	$527,913	12/2/2005
PG16 - CESS	NBCD Business & Analytical Support	Kalman & Company	$5,049,747	12/13/2005
AC_PROG	LCCE for CAC2S	Booz-Allen, Hamilton	$318,065	1/30/2006
PG 11 - MC2I	MC2I SBT Business and Analytical Support	Resource Consultants, Inc.	$570,106	2/6/2006
PG14 - AFSS	Renewal: AFSS Portfolio Management BCA	Booz-Allen, Hamilton	$569,511	3/20/2006

Priorities

- → **Life Cycle Cost Estimating**
- → **Business Case Analysis**
- → **Cost / Risk Analysis**
- → **Clinger-Cohen Compliance**
- → **Alternatives Analysis**
- → **Specialized Product Studies**
- → **Probabilistic Modeling**
- → **Operations Research**

BA Performance

General Comments

Performance Findings

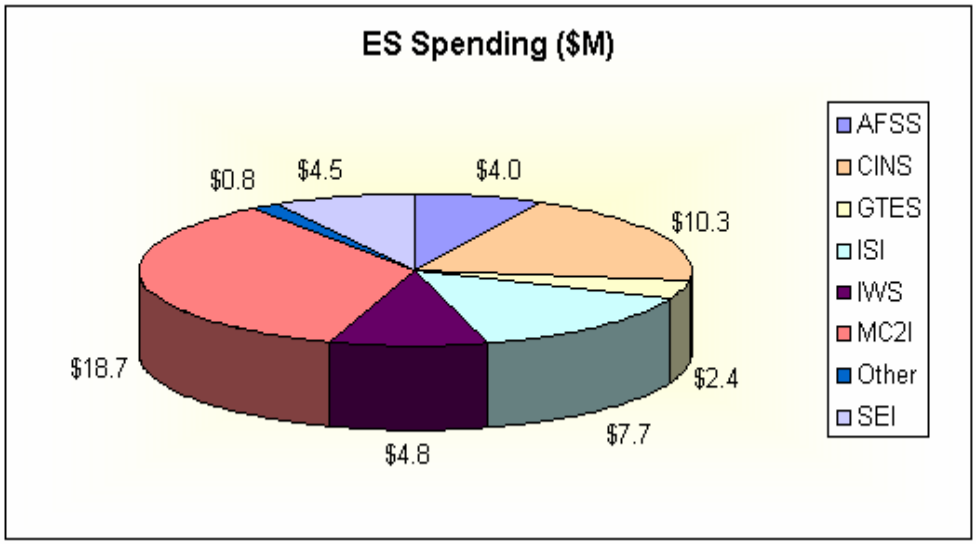
- 7 FY06 TOs / 47 Total TOs
- Ave. winning score for BA competition: 99 / Blue
- FY05 - 96.4 / Blue
- 1 Firm controls ~75% of work effort within BA to date
- Discounts average ~6%, with various conditional reductions
- SB prime revenue accounts for 75% of BA total volume

ACSS Feedback

- Need to Stimulate work with target PGs
- Might want to Consider setting up Combined Investment Strategies
- Ad hoc LCCE Investment is all going to SAP Tasks
- Opportunities may exist with MCCDC in support of JCIDS
- Don’t have a lot of Ideas to put Forward in this area

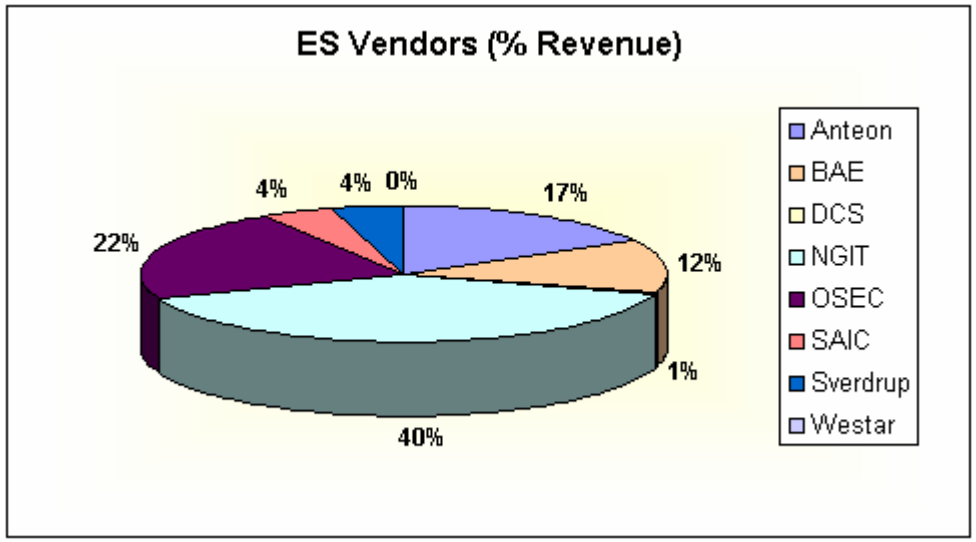
CEOss ES Domain

Business Volume



- $53.2M Invested in FY06
- 23 Task Orders Issued
- MC2I / ISI – Major Players
- Differentiated by Technical Scores

- Balanced Levels of Competition
- Disparate Performance Indices
- Pricing is <u>becoming</u> a Discriminator
- Labor undergoes Most Scrutiny
- Substantial Continuing Investment



ES Requirements

Historical Priorities

PG13 - IWS	Annual Support for IWS Anti-Armor Weapons	BAE Systems	$2,353,548	9/19/2005
Other Activity	Technology Transition Office Support	SAIC	$422,380	9/21/2005
PG13 - IWS	Recon and Amphibious Raids	BAE Systems	$2,390,189	9/22/2005
PG 11 - MC2I	Renewal: Systems Engineering Team Support	Anteon	$3,769,905	9/23/2005
PG10 - ISI	Renewal: NMCI Program Annual Support	Jacobs Sverdrup	$7,506,755	9/28/2005
PG 11 - MC2I	Tier II TUAS Fleet Support Strategy	OSEC	$400,000	9/28/2005
SE&I	Team Support	OSEC	$1,026,640	9/29/2005
PG14 - AFSS	EFSS and ITV Program Support	BAE Systems	$1,664,853	9/29/2005
PG14 - AFSS	HIMARS FY06 Program Support	Anteon	$2,410,332	9/29/2005
SE&I	Renewal: CWID Program Support	NGDMS	$298,802	9/29/2005
PG 12 - CINS	Renewal: C4ISR ES Annual Program Support	OSEC	$8,617,488	9/30/2005
PG 11 - MC2I	Renewal: MACCS Sustainment Annual Support	NGDMS	$1,843,175	10/11/2005
PG 11 - MC2I	Renewal: Unit Operations Center Annual Support	NGDMS	$2,724,398	10/13/2005
SE&I	Renewal: SE&I Program Support	NGDMS	$2,803,186	10/28/2005
PG 12 - CINS	Renewal: DACT Training and Fielding Support	OSEC	$1,732,634	10/28/2005
PG 11 - MC2I	PM Radars Annual Support	Anteon	$6,603,058	10/31/2005
PG 11 - MC2I	Support	NGDMS	$1,557,976	11/2/2005
PG 11 - MC2I	MC2I SBT Engineering Support	OSEC	$471,594	11/8/2005
PG 11 - MC2I	Renewal: CAC2S Annual Support	NGDMS	$3,181,132	11/10/2005
Other Activity	T-AVB Technical Support	DCS Corp.	$384,646	11/18/2005
SE&I	Expeditionary C41 Scenario Checklist	NGDMS	$352,417	12/14/2005
PG10 - ISI	Defense Message System Annual Support	NGDMS	$2,652,428	12/14/2005
PG15 - GTES	MT Fleet Support	Jacobs Sverdrup	$2,346,596	12/16/2005
PG 11 - MC2I	Network (CTN) FY05 Support	NGDMS	$366,779	1/5/2006
PG 11 - MC2I	MAGTF C2 'Spiral 0' Support	SAIC	$1,886,093	2/23/2006

Priorities

- → **Air Defense / Radars Systems**
- → **Single Integrated Air Picture**
- → **Enterprise IT Planning**
- → **GCSS-MC / DMS**
- → **Intel / Communications**
- → **Information Assurance**
- → **NMCI Deployment**
- → **Joint Program Initiatives**

ES Performance

General Comments

Performance Findings

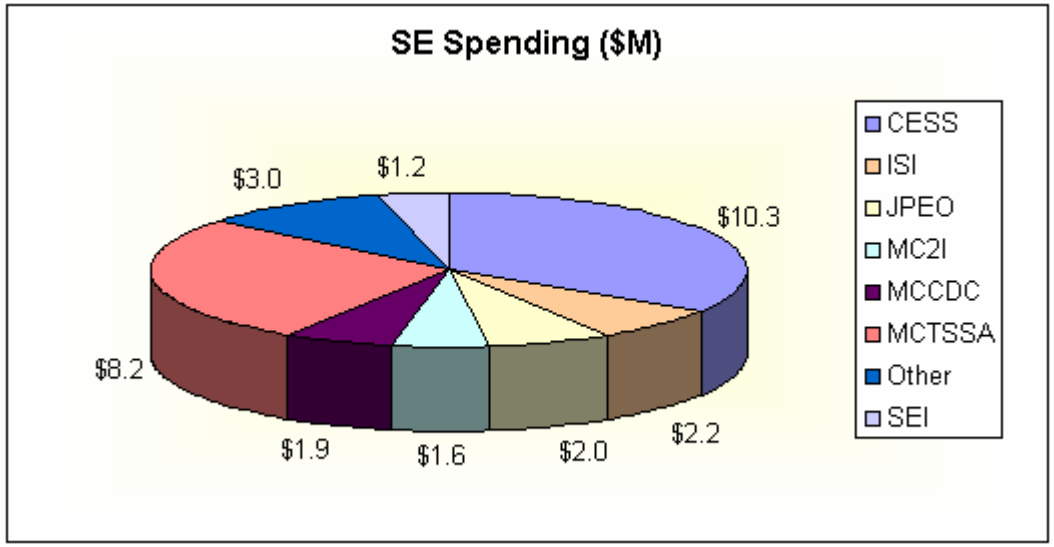
- 23 FY06 TOs / 114 Total TOs
- Ave. winning score for ES competition: 98 / Blue
- FY05 - 95.7 / Blue
- 3 Firms control ~80% of work effort within ES to date
- Greatest Opportunity for Incumbent Turnover / New Work
- Common Requirements emerging from C4-centric PGs
- SB prime revenue accounts for 22% of ES total volume

ACSS Feedback

- Skills and Training of the work force are more critical in ES Domain
- Joint requirements support is an emerging capabilities set
- CINS and MC2I will likely experience some Program Growth
- NMCI will continue to dominate ISI program Requirements
- PM Qualifications are more Critical in ES Domain than Others
- Most frequent “qualifications” inflation occurs in this Domain

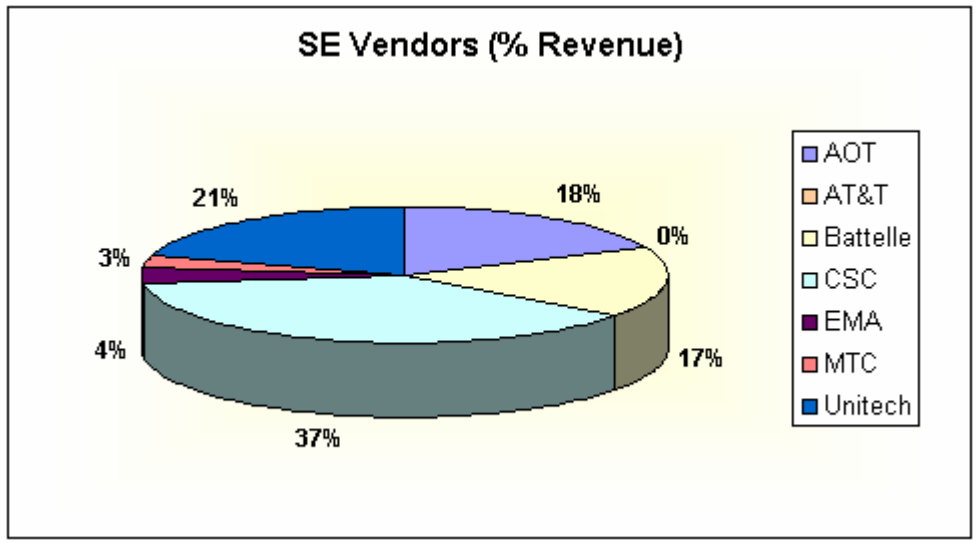
CEOss SE Domain

Business Volume



- $30.3M Invested in FY06
- 19 Task Orders Issued
- MCTSSA / MCCDC – Emerging
- Differentiated by Technical Scores

- Balanced Levels of Competition
- Disparate Performance Indices
- Pricing is <u>becoming</u> a Discriminator
- Labor undergoes Moderate Scrutiny
- Substantial Continuing Investment



SE Requirements

Historical Priorities

SE&I	Renewal: Assessments Team Support	EMA	$684,556	9/29/2005
MCTSSA	Tactical Support to the Operating Forces	CSC	$8,284,798	10/27/2005
JPEO CBD	JPEO Information Systems Engineering & Analysis	Battelle	$2,589,112	10/31/2005
PG10 - ISI	Renewal: Paperless Acquisition Initiatives FY05	Unitech	$2,119,713	11/1/2005
SE&I	JOINT BATTLE MANAGEMENT COMMAND AND CONTROL	Unitech	$471,253	11/18/2005
MC2I	Renewal: BCT Family of Systems	CSC	$935,804	12/2/2005
MEFFV	Renewal: MEFFV Program Support	CSC	$857,803	12/6/2005
MCCDC	MAGTF C2 CDD	CSC	$681,108	12/7/2005
Activity	Counter IED Engineering & Analytical Support	AOT	$542,000	12/8/2005
MCCDC	MAGTF C2 Occupational Study	Unitech	$373,768	12/8/2005
CESS	Specialty Engineering Support for NBCD	AOT	$4,938,115	12/13/2005
CESS	Automatic Test System Support	MTC	$844,040	12/21/2005
AC_PROG	Renewal: Safety Office Annual Support	AOT	$1,062,567	1/5/2006
CESS	PM Individual Combat Equipment Annual Support	Battelle	$2,919,870	1/25/2006
MCCDC	CDD JCIDS Business Process	Unitech	$361,771	2/23/2006
CESS	Expeditionary Biological Detection - ATD	CSC	$621,226	2/23/2006
Activity	Renewal: College of Continuing Education Support	Unitech	$1,787,944	3/8/2006
MCCDC	Renewal: Tier II UAV Requirements Definition	EMA	$445,952	3/9/2006
CESS	Autonomic Logistics & Electronic Maintenance Support System	Unitech	$955,408	3/14/2006

Priorities

- → **Unique Engineering**
- → **IT Requirements**
- → **JCIDS Requirements**
- → **Trade Studies**
- → **Alternatives Analysis**
- → **Specialized Product Studies**
- → **Combat Effectiveness**
- → **Unique Training / Education**

SE Performance

General Comments

Performance Findings

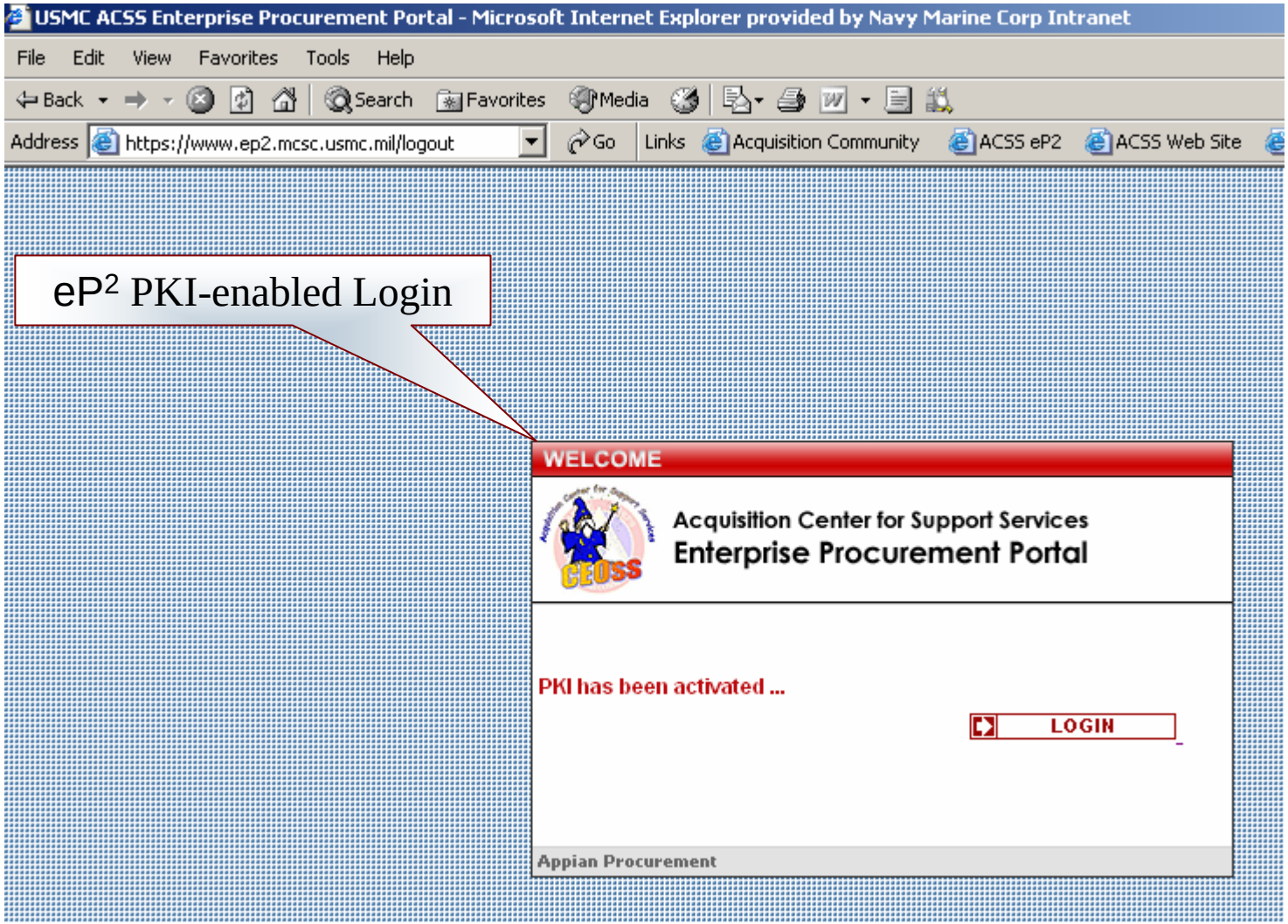
- 21 FY06 TOs / 90 Total TOs
- Ave. winning score for SE competition: 97 / Blue
- FY05 – 97.5 / Blue
- 4 Firms control ~90% of work effort within SE to date
- *Least* cost restrictive of all CEOss domains
- Significant Opportunity for New Work Requirements
- SB prime revenue accounts for ~20% of SE total volume

ACSS Feedback

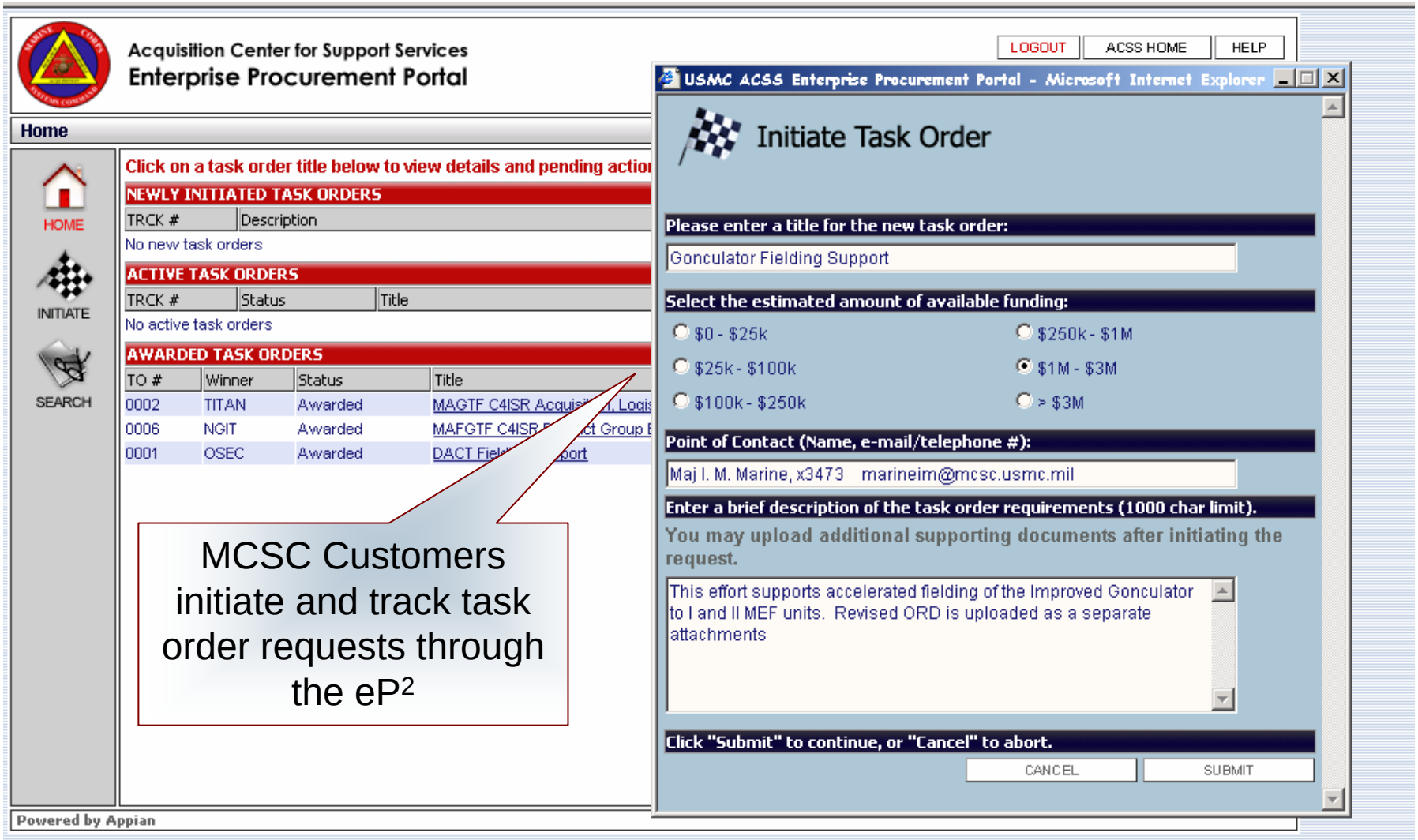
- Companies need to *educate* PG sponsors as to the range of services available in the domain
- Potential in JCIDS, IT Services, Intel and Related Commodity Areas
- Some Opportunity for External MCSC Expansion
- Rates and Labor are Closely Scrutinized against Requirements
- Most Aggressive Discounting occurs in this Domain
- Substantial "Strategic" Teaming Relationships Forming

Enterprise Procurement Portal (eP^2) Screen Shots

Public View – Access Screen



Customer View - Initiation



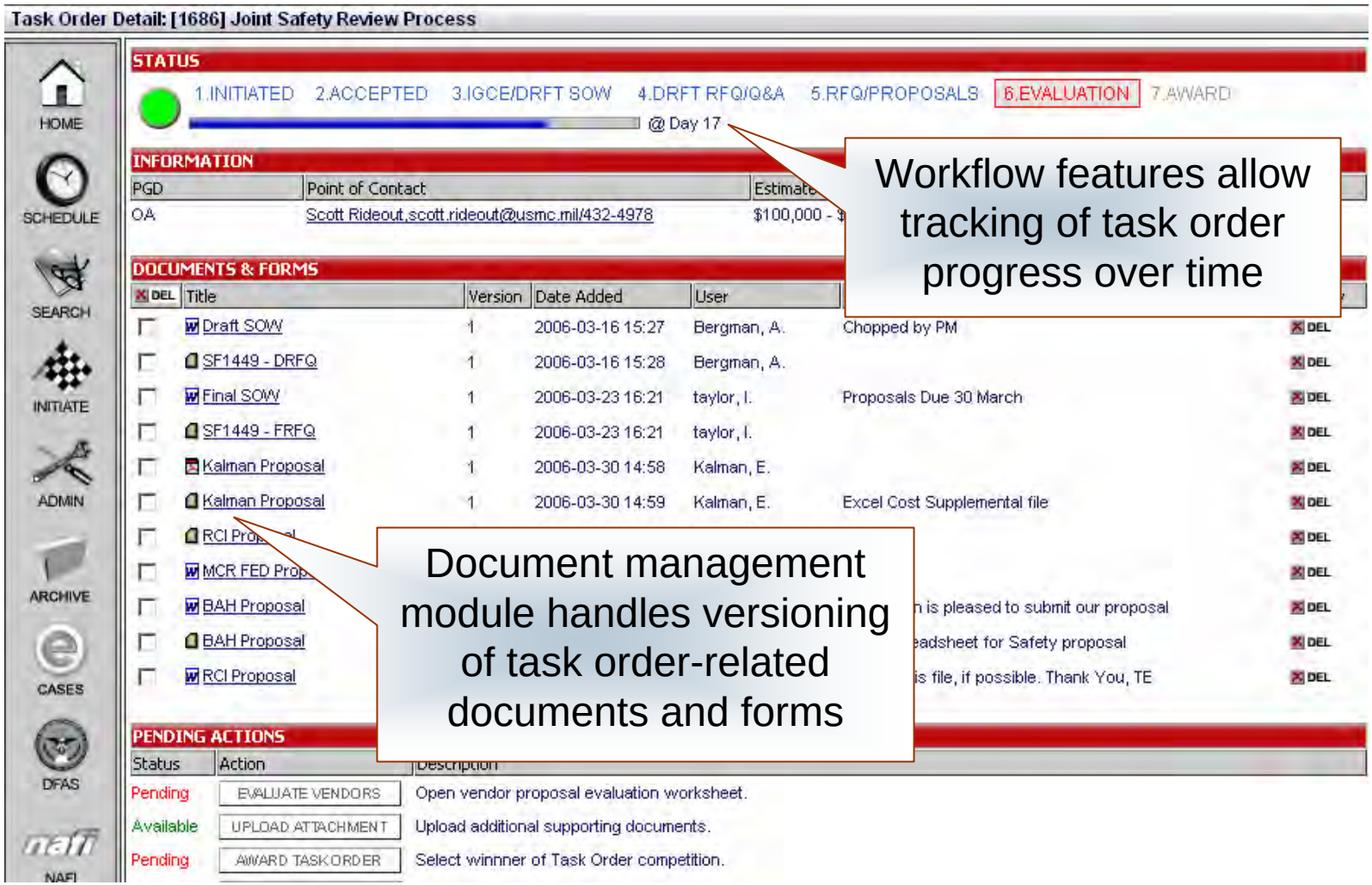
ACSS View – Top Level



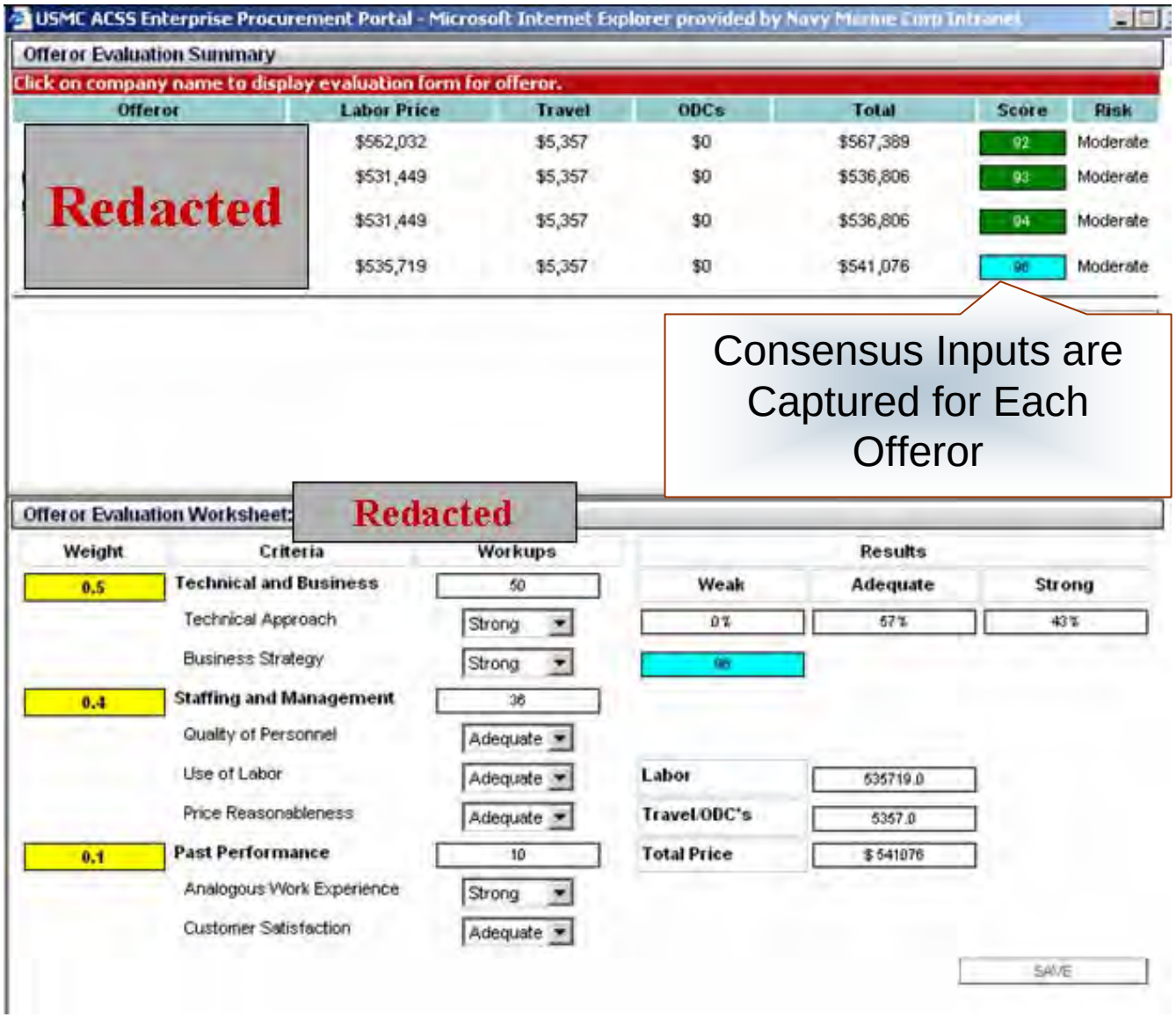
ACSS tracks the progress of Task Orders through each phase to Award

Awarded Task Orders retain the “history” of the process for Future Use

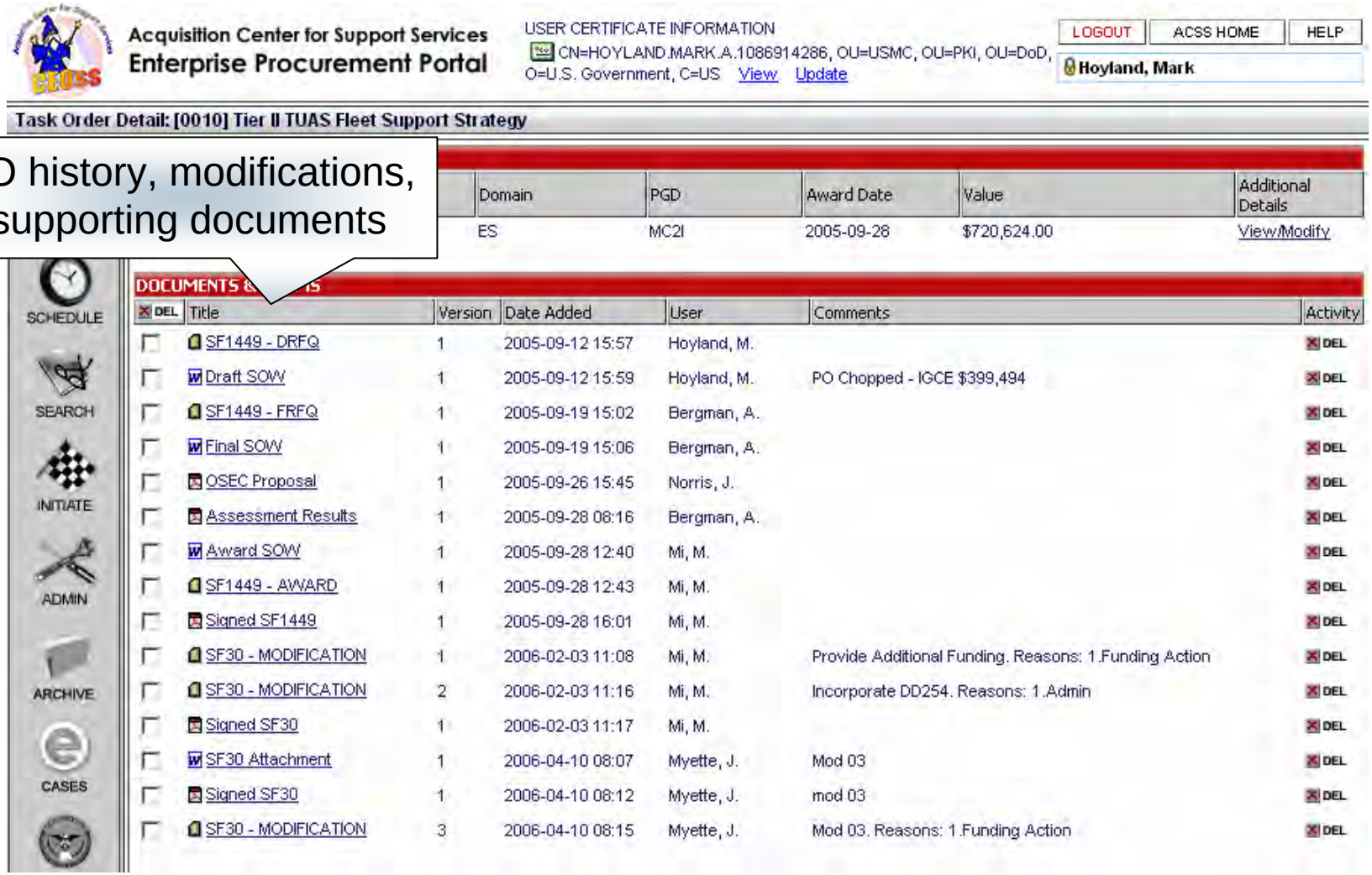
New Task View – Pre-Award



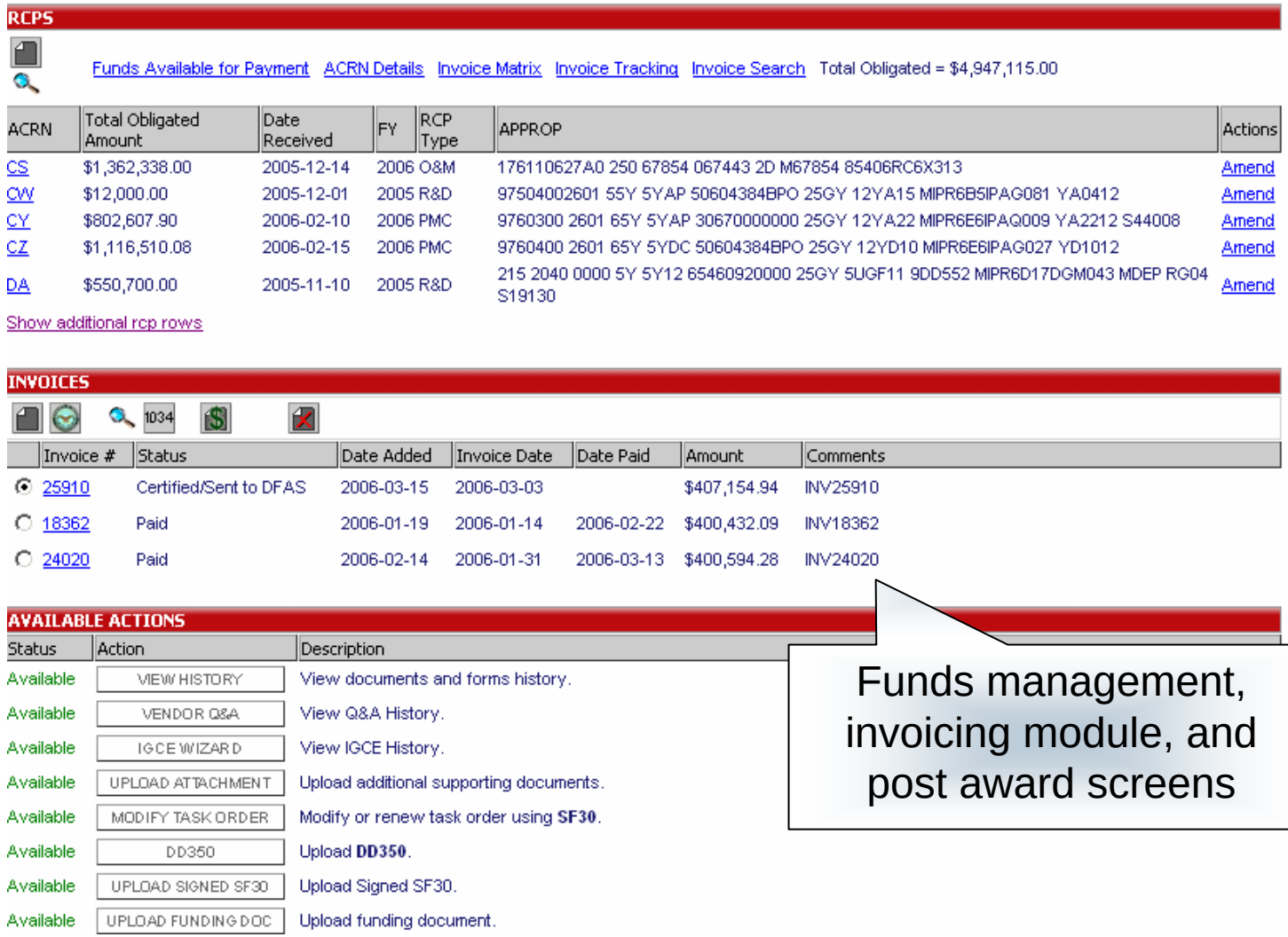
New Task View – Evaluation



Post Award View – Top Level



Post Award View – Top Level



RCPS

Funds Available for Payment | ACRN Details | Invoice Matrix | Invoice Tracking | Invoice Search | Total Obligated = $4,947,115.00

ACRN	Total Obligated Amount	Date Received	FY	RCP Type	APPROP	Actions
CS	$1,362,338.00	2005-12-14	2006	O&M	176110627A0 250 67854 067443 2D M67854 85406RC6X313	Amend
CW	$12,000.00	2005-12-01	2005	R&D	97504002601 55Y 5YAP 50604384BPO 25GY 12YA15 MIPR6B5IPAG081 YA0412	Amend
CY	$802,607.90	2006-02-10	2006	PMC	9760300 2601 65Y 5YAP 30670000000 25GY 12YA22 MIPR6E6IPAQ009 YA2212 S44008	Amend
CZ	$1,116,510.08	2006-02-15	2006	PMC	9760400 2601 65Y 5YDC 50604384BPO 25GY 12YD10 MIPR6E6IPAG027 YD1012	Amend
DA	$550,700.00	2005-11-10	2005	R&D	215 2040 0000 5Y 5Y12 65460920000 25GY 5UGF11 9DD552 MIPR6D17DGM043 MDEP RG04 S19130	Amend

Show additional rcp rows

INVOICES

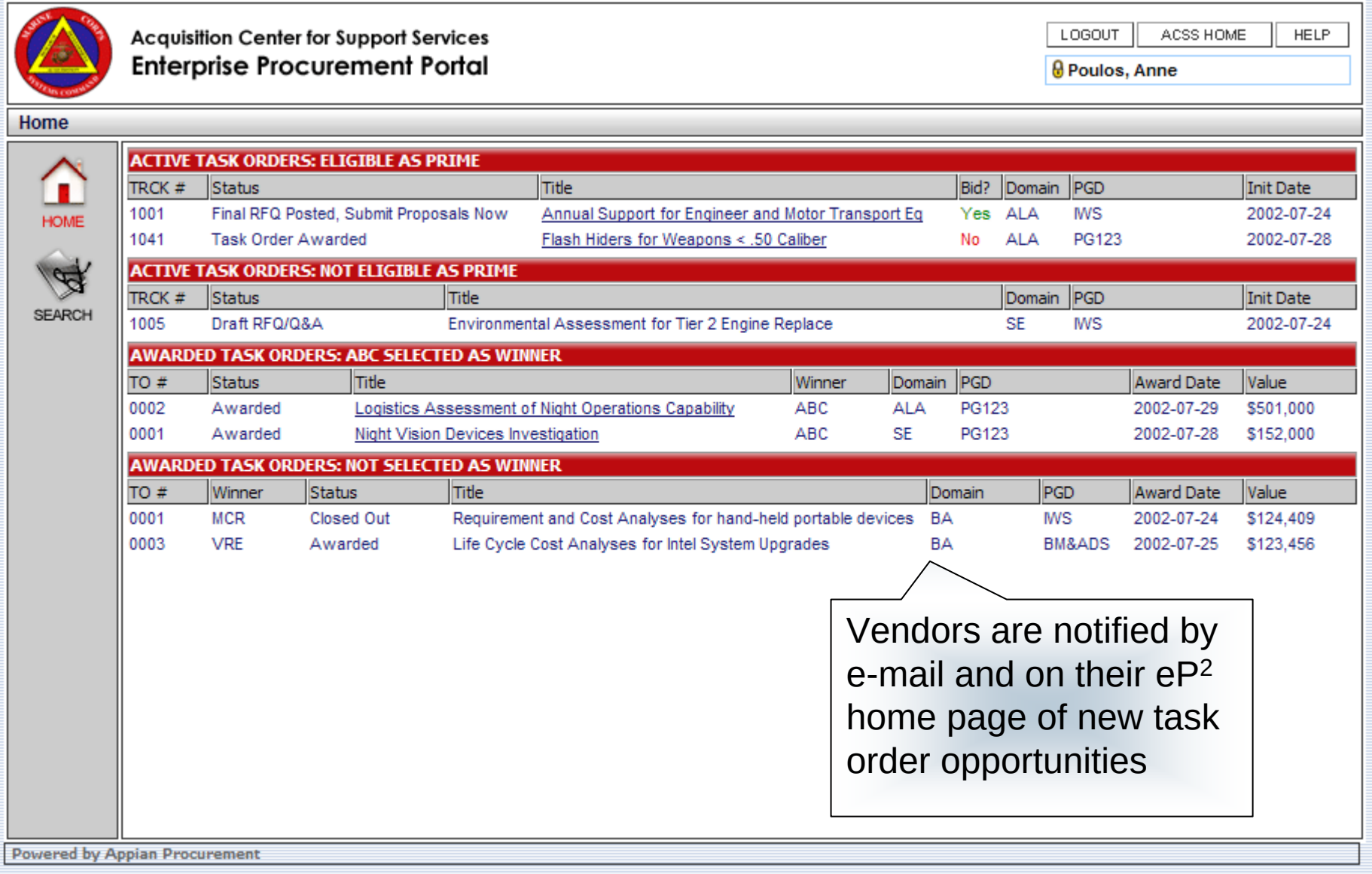
	Invoice #	Status	Date Added	Invoice Date	Date Paid	Amount	Comments
◉	25910	Certified/Sent to DFAS	2006-03-15	2006-03-03		$407,154.94	INV25910
○	18362	Paid	2006-01-19	2006-01-14	2006-02-22	$400,432.09	INV18362
○	24020	Paid	2006-02-14	2006-01-31	2006-03-13	$400,594.28	INV24020

AVAILABLE ACTIONS

Status	Action	Description
Available	VIEW HISTORY	View documents and forms history.
Available	VENDOR Q&A	View Q&A History.
Available	IGCE WIZARD	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 Eq	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

Powered by Appian Procurement

Vendors are notified by e-mail and on their eP^2 home page of new task order opportunities



ACSS Performance

CEOss Performance Metrics

802 Metrics / BSC

CEOss FY06 Performance Report

April 11, 2006

FY06 Amount Awarded to Date:		$155,400,199
FY06 Cost Reduction to Date:		$16,699,398
Domain Task Orders to Date:		
ALA - 33	*award value*	$60,657,089
BA - 7		$7,516,025
ES - 25		$55,322,674
SE - 21		$31,904,411
Total TO's for FY06:		86
Ave. Percent of Competition:		62%
Ave. Days in Queue:		16
FY06 Vendor Performance Scores:		92
ALA - 91	*Award / Renewal Scores*	
BA - 93		
ES - 92		
SE - 93		
FY06 Wtd. Ave. Hourly Rate:		$81.74
ALA - $73.59	0.07	
BA - $93.38 *discounts*	0.06	9%
ES - $85.97	0.08	
SE - $87.15	0.13	
FY06 SB Prime Award Volume:		$47,444,733
Ave. CEOss Cost per Task:		$1,647
Total Staff Hours per Task Order:		30.6

Customer Information to Date

Office	Invest	Reduction	FY06 TO's
AFSS	$9,514,079	$660,921	6
JPEO CB	$2,469,743	$930,257	2
MC2I	$25,302,254	$1,597,746	17
CESS	$23,297,357	$3,502,643	10
GTES	$17,324,929	$1,825,071	5
ISI	$14,525,921	$1,974,079	8
IWS	$14,543,018	$2,215,974	6
CINS	$19,132,844	$1,757,761	3
MCTSSA	$8,146,594	$353,406	1
Other	$7,053,574	$436,426	11
PROG	$595,006	$104,994	2
SEI	$6,473,715	$411,285	8
TRASYS	$4,286,299	$713,701	1
MCCDC	$2,734,866	$215,134	6

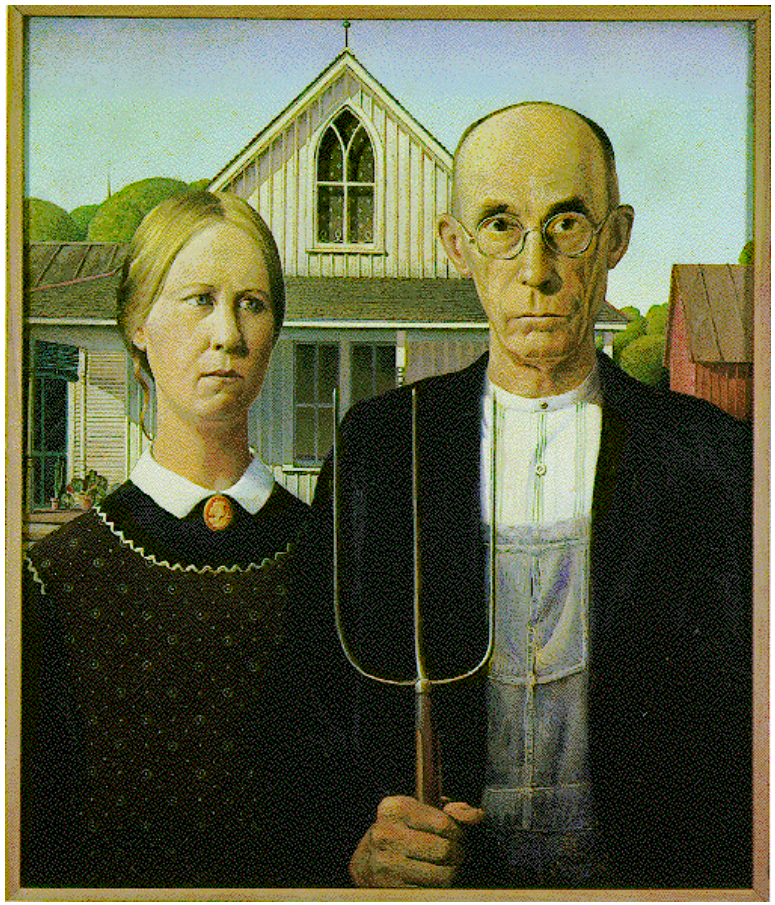
DOD Memo 10/29 – USN Memo 12/20

- ✓ Non-DoD Contracts in Best Interests
- ✓ Tasks are within Scope of the Contract
- ✓ Funding applied per Appropriation Rules
- ✓ Identify unique Terms and Conditions
- ✓ Data collection and analysis

CEOss Operations / Efficiencies

- ✓ 372 Task Orders since Aug, 2002
- ✓ Ave. 16 days in Queue (Internal)
- ✓ Ave. 62% TO Response Rates (Customer)
- ✓ Ave. 9% Cost Reduction (Financial)
- ✓ Ave. <.0025% Interest Penalties (Financial)
- ✓ Ave. 99% Award Term Renewals (Customer)
- ✓ Ave. 99% eP^2 System A_o (Internal)

ACSS Principals



http://www.marcorsyscom.usmc.mil/sites/acss/default.asp

PCO, ACSS
Anita Norris
432-3773
anita.norris@usmc.mil

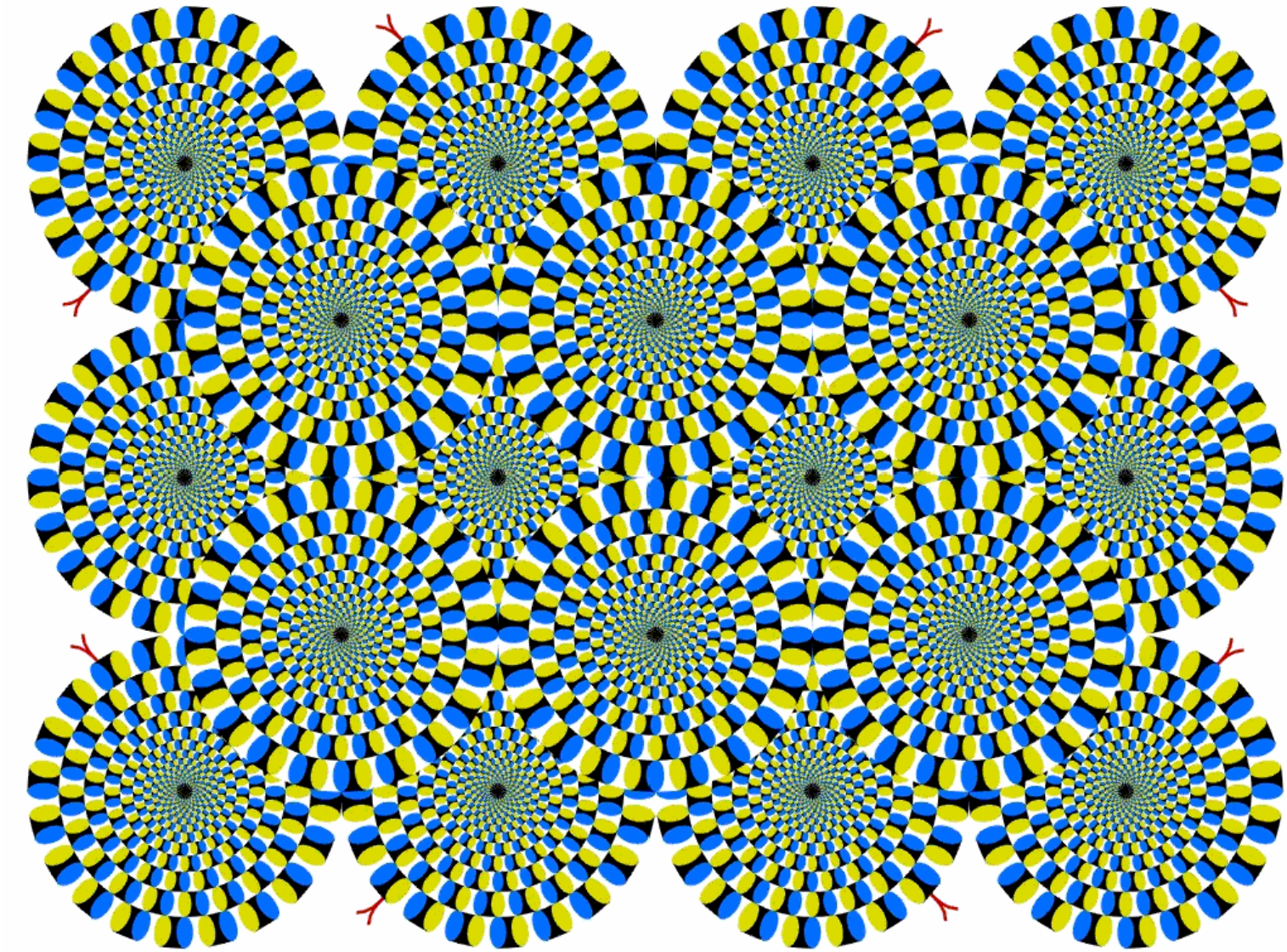
Director, ACSS
Mark Hoyland
432-3781
mark.hoyland@usmc.mil

ACSS Web Site



Document	Date Posted
Recent Briefings/Information	
FY06 Vendor Workshop Brief	06.08.05
FY06 Vendor Q & A	06.08.05
Federal Business Opportunity - Request for Information (RFI)	05.25.05
FY06 Open Season Planning Guidance	04.21.05
FY05 CEOss Midterm Brief	02.15.05
CEOss Policy	
Contingency Operations Planning Documentation Deployment Responsibilities Checklist Task Order Contingency Clause/Allowable Costs	01.14.03 updated 01.28.04
Handbooks and User Guides	
CEOss Handbook Version 5	01.10.05
eP^2 Customer User Guide	10.08.03
eP^2 Vendor User Guide	10.08.03
Contractor Access Request (CAR) Form (.pdf file)	updated 08.24.04
Archives	
Frequently Asked Questions	01.01.05
FY05 CEOss Information Briefing	01.01.05
FY05 New Teaming Relationships	08.24.04

Questions



Infantry Weapons Systems
Product Group 13
Overview

Colonel Michael J. Mulligan, Product Group Director

Principal agent for equipping and sustaining Marine Corps Operating Forces with the infantry weapons and systems to accomplish Infantry, Anti-armor/material, Amphibious Raids and Reconnaissance missions.

- ✓ **Portfolio: includes sustaining legacy equipment, current procurement activities, and development of:**
  - ✓ **Individual and crew-served weapons ranging up to 40mm Grenade Machine Guns**
  - ✓ **Optical equipment including Image Intensification, Thermal, and Magnified Optics**
  - ✓ **Small craft, dive and parachute equipment**
  - ✓ **Anti-armor missile and rocket systems**
  - ✓ **Non-lethal systems**
  - ✓ **We are in the process of incorporating the armor and load bearing portion of individual combat equipment into IWS to provide a single nexus for all infantry weapon systems and related equipment needed by the Marine infantryman in combat."**

✓**Our planning horizon ranges from rapid responses to fill urgent needs of the operating forces to classic long-term development programs. Most of our current activities are focused on COTS or near-COTS items.**

✓ **We need industry's help in focused IR&D, and S&T partnerships that will mature technologies to lighten the load and increase the lethality of the individual Marine. COTS products that are developed with that focus in mind will be attractive.**

Product Group Principals:

✓**PG Director:** **Colonel Michael Mulligan 703-432-3688**

PM Anti-Armor Systems: *Mr. Axel Fait* 703-432-3744
PM Infantry Weapons: *LtCol Rick Adams* 703-432-4641
PM Marine Expeditionary Rifle Squad: *Mr. Dave Hansen* 703-432-3744
PM Optics and Non-Lethal Systems: *Ms. Jean Beal* 703-432-3564
PM Amphibious Raids and Reconnaissance: *Mr. Bill Barnebee* 703-432-3638

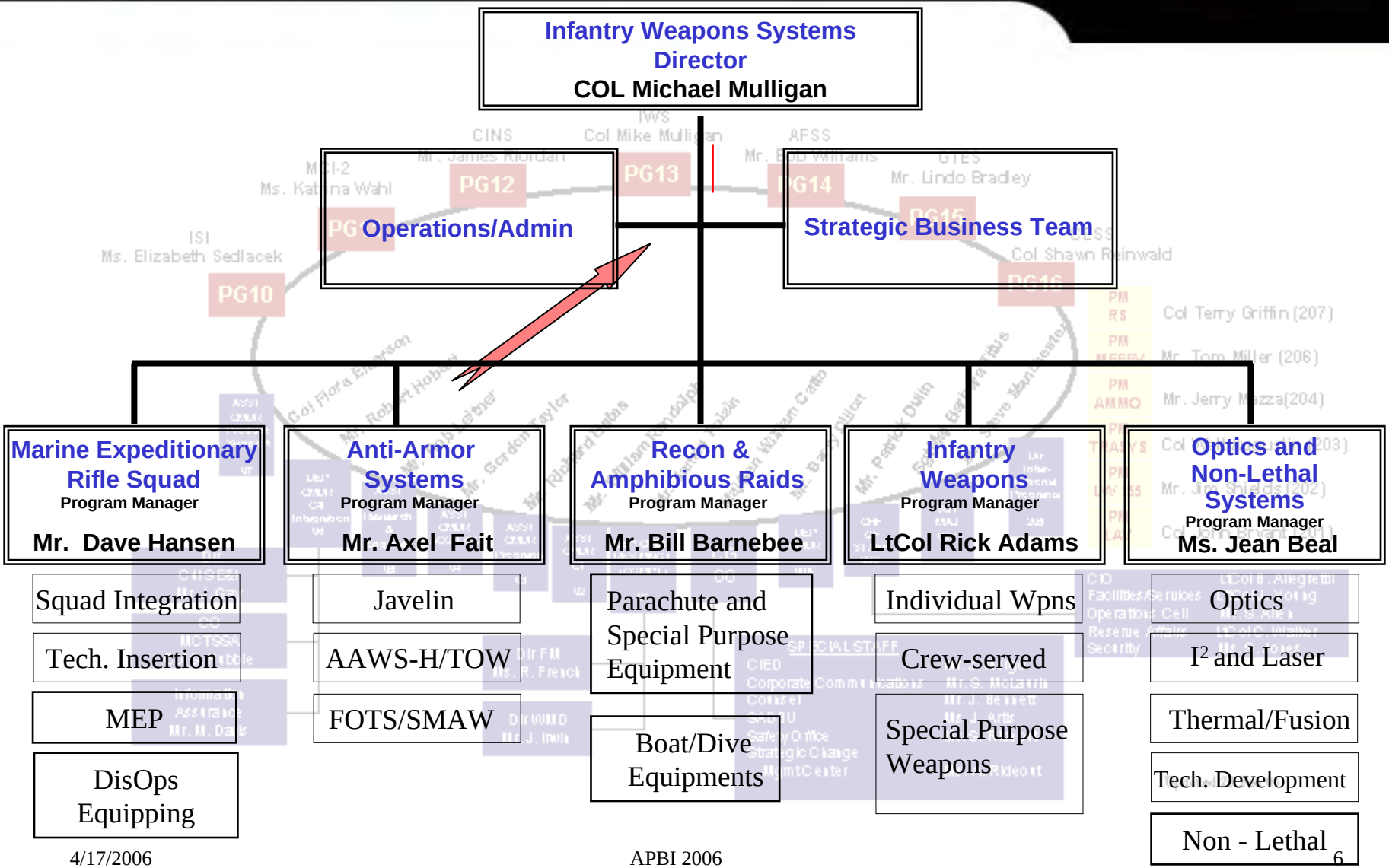
✓**Strategic Business Team (SBT)**

Business Manager: *Mr. Robert Forrester* 703-432-3670
Contracts Manager: *Mr. Dave Marr* 703-432-3724
Lead Financial Manager: *Ms. Barbara Fielding* 703-432-3733
Lead Engineer: *Mr. Vince Ellis* 703-432-3694
Lead Logistician: *Mr. Vincent Ellis*
Operations Manager: *Mr. Tim Ferris* 703-432-3682

Product Group Total Funding:

Appropriations ($000)	FY 06 (Includes Bridge Supplemental)	Estimated FY 06 Full Supplemental	FY 07
RDT&E	$30,236	$1,300	$9,444
O&MMC	$7,266	0	$10,385
PMC	$210,376	$582,091	$47,093

Advanced Planning Briefing to Industry 2006



Closing Remarks:

- One of our leading values is a strong bond with the warfighter whom we serve
- If he can't use it we don't want it
- We're committed to understanding and supplying his demand
- Firsthand knowledge and feedback is key
- Next speaker personifies that credibility
  - **LtCol Pat Malay commanded 3/5 in Battle of Fallujah (Nov 2004)**



Hunt down the Enemy








Jolan
Gujayri
Hey al Shorta
Hey al Dubat II
Hey al Askari
Hey al Medaniin
Hey al Muallimeen II
Hey al Dubat I
Sook
Hey al Muallimeen I
Bazaar
III
Andaloos II
I
Jubail
Hey al Sina'a
Nazal


TANKS ARE OUR FRIENDS!
Combined Arms





Infantry Weapons Systems
Product Group 13
Anti-Armor Systems

Mr. Axel G. Fait, Program Manager

PM Anti-Armor Systems Mr. Fait

Description:

- Responsible for development, procurement, fielding and life cycle management of Infantry anti-armor, anti-structure, and assault weapon systems

- Portfolio includes:
  - TOW Missile System
  - Advanced Anti-Armor Weapon System - Heavy
  - Javelin Missile System
  - Shoulder-Launched Multipurpose Assault Weapon
  - Follow On to Shoulder-Launched Multipurpose Assault Weapon

PM Anti-Armor Systems Mr. Fait

Appropriations ($000)	FY 06 (Includes Bridge Supplemental)	Estimated FY 06 Full Supplemental	FY 07
RDT&E	$1,793	0	$503
O&MMC	$3,121	0	$4,440
PMC	$1,000	$245,758	$3,282

Near-Term Program Initiatives

- ***Advanced Anti-Armor Weapon System Heavy***
  - 3Q/06 – Procure initial quantities of Improved Target Acquisition System (ITAS) with integrated Far Target Locator via U. S. Army contract
  - 3Q/06 – Procure TOW-Bunker Buster missiles via U. S. Army contract
  - FY06-07 – Contractor Logistics Support
- ***Javelin Anti-Armor Weapon System Medium***
  - FY06-07 – Contractor Logistics Support
- ***Fuze Design***
  - FY06-07 – Develop software to assess warhead/target interaction for use in multi-mode fuze development

Future Program Initiatives

- ***R&D Investment***
  - FY08-11 – Qualification of the Follow On to Shoulder-Launched Multipurpose Assault Weapon (FOTS) with subsequent production
- ***PMC Investment***
  - FY08-11 - Procure remaining quantities of Improved Target Acquisition System (ITAS) with integrated Far Target Locator via U. S. Army contract
  - FY08-11 – Procure TOW-2B Aero missiles via U. S. Army contract
- ***O&MMC Investment***
  - FY08-11 – Contractor Logistics Support

Discussion Topics

- Lightweight, man-portable, shoulder-fired assault weapon system with Fire-From-Enclosure capability and performance equal to or greater than current Shoulder-Launched Multipurpose Assault Weapon (SMAW)
- Rocket motors meeting insensitive munitions requirements
- Multi-mode warheads effectively engaging both anti-tank and anti-structure target sets

PM Anti-Armor Systems Mr. Fait

Introduce the next Program Manager

LtCol Rick Adams, PM Infantry Weapons

Infantry Weapon Systems

Product Group 13

Infantry Weapons

LtCol. Rick Adams, Program Manager

PM Infantry Weapons, LtCol Rick Adams

Description: PM Infantry Weapons is responsible for R&D, procurement and lifecycle management for all infantry weaponry employed by the warfighter.

- Crew Served Weapons
  - Machine Guns and Mortars
- Individual Weapons
  - Pistols
  - Rifles to include sniper weapons
- Industry can help as we look to improve the technologies of weapons
  - Ammunition: lighter, increased incapacitation
  - Weapons: reduced weight, improved reliability, reduced maintenance

PM Infantry Weapons, LtCol Rick Adams

PM IW Total Funding: Appropriations ($K) Spending Breakout:

Appropriations ($000)	FY 06 (includes Bridge Supplemental)	Estimated FY 06 Full Supplemental	FY 07
RDT&E	$4,023	0	$2,382
O&MMC	$335	0	$367
PMC	$114,528	$52,693	$12,047

Near-Term Program Initiatives

- ***Infantry Automatic Rifle (IAR)-*** **The IAR is a light weight, magazine fed, 5.56mm, individual weapon. The IAR enhances the automatic rifleman's maneuverability and displacement speed, while providing the ability to suppress or destroy not only area targets, but point targets as well. The IAR will replace the M249 SAW within each infantry battalion.**

- ***Joint Combat Pistol (JCP)-*** **Along with SOCOM the USMC is looking for a COTS Caliber 45 Pistol That Will Replace MEUSOC .45. The selected pistol will be reliable, accurate and will be ergonomically optimized.**
  - **Leverages Advancements In Technology (Weapon/Ammo/Accessories)**
    - **Increased Capability/Versatility**
    - **Leverages Existing Accessory Programs**
      - **Laser Aiming Module**
      - **Family Of Suppressors**
    - **Pre-Planned Product Improvement Efforts**

Future Program Initiatives

R&D Investments

- ***Service Rifle Replacement-*** **Looking to the future of weapons technology. Rifles with flexible configurations to adapt to changing missions.**
- ***Digital Fire Control-*** **The development of the digital fire control system for company and battalion mortars that will provide better accuracy and timeliness of fire response to a fire mission. This may eliminate the need for sights and aiming stakes.**
- ***Shot Count Capability-*** **In order to better sustain weapons determining the round count on the weapon makes it easier for the maintainers planning and is more cost effective deciding fix or replace criteria.**
- ***Long Range Sniper Rifle-*** **The Marine Corps has an interest in a long range (1100-1500m), medium caliber sniper capability to replace our M40 sniper rifle fleet in the outyears.**

O&MMC Investments

- ***Enhanced .50 Cal-*** **Looking to enhance current M2 including a Quick Change Barrel System and Flash Hider.**

Discussion Topics

- *Caliber Agility-* **We are conducting a preliminary screening to evaluate possible replacement of the current service round, or inclusion as a capability enhancer.**
- *Guidable Mortar Munitions/Caseless Ammunition-* **Working with Government S&T activities and JSSAP to increase first round hit capability and reduce the Marine's load, respectively.**

Marine Expeditionary Rifle Squad
Product Group 13

Mr. Dave Hansen, Program Manager

PM Marine Expeditionary Rifle Squad Mr. Dave Hansen

Description: Marine Expeditionary Rifle Squad will meet future requirements for a fully integrated combat system to improve the lethality, mobility, survivability, sustainability, training and education, and C2 capabilities for Marine infantry.

- Integration Program (System of Systems)
- All arms and equipment -- initially for Marine rifle squads, then all infantry units. Treat Marine rifle squad as a system of systems.
- MCSC Distributed Operations Coordinator
- Need help from industry in lightening combat load through multipurpose, fully integrated systems.

PM Marine Expeditionary Rifle Squad Mr. Dave Hansen

Appropriations ($000)	FY 06 (Includes Bridge Supplemental)	Estimated FY 06 Full Supplemental	FY 07
RDT&E	$14,279	0	$2,583
O&MMC	0	0	0
PMC	$3,624	0	$5,251

Near-Term Program Initiatives

- *Distributed Operations Implementation Capability Sets*
- *Enhanced Outer Tactical Vest*
- *Squad Operating Concept*
- *Marine Enhancement Program*
- *Integrated Process Team for Distributed Operations Materiel Fielding*
- *Assisting MCCDC on Analysis of Materiel Alternatives & ICD for MERS*
- *Assisting the Warfighting Lab on the Infantry Battalion Enhancement Period Program*

Future Program Initiatives

- ***R&D Investment***
  - Integrated Lethality suite
  - Integrated Communications-Navigation suite
- ***PMC Investment***
  - PMC is resident within other programs of record and not MERS
- ***O&MMC Investment***
  - Possibly the Distributed Operations Implementation Capability Sets

Discussion Topics

- ***Lethality***
- ***Mobility***
- ***Survivability***
- ***Sustainability***
- ***Command and Control***
- ***Training and Education***

Infantry Weapons Systems

Product Group 13

Optics and Non-Lethal Systems

Ms. Jean Beal, Program Manager

PM Optics and Non-Lethal Systems Ms. Jean Beal

Description:

• Responsible for development, procurement, fielding and life cycle management of non-lethal ordnance and equipment and ground-based optics, electro-optics and lasers for the individual Marine and small arms weapons.

•Portfolio includes the following:

-AN/PVS-14 Monocular Night Vision Device

-AN/PVS-17 B/C Miniature Night Sight

-AN/PEQ-2A Infrared Illuminator

-AN/PSQ-18 Grenade Launcher Day/Night Sight

-AN/PVQ-31A/B Rifle Combat Optic

-Scout Sniper Day Scope

-AN/PAS-13B/D Thermal Weapon Sight

-Tactical Range Thermal Imager

-Long Range Thermal Imager

PM Optics and Non-Lethal Systems Ms. Jean Beal

Appropriations ($000)	FY 06 (Includes Bridge Supplemental)	Estimated FY 06 Full Supplemental	FY 07
RDT&E	$3,385	0	$3,296
O&MMC	$2,615	0	$2,849
PMC	$75,721	$271,540	$15,241

Near-Term Program Initiatives

- ***Scout Sniper Observation Telescope***
  - 3Q/06 – Procure replacement for the M49 Spotting Scope
- ***Scout Sniper Medium Range Night Sight***
  - 4Q/06 – Procure night vision device for use on all Marine Corps precision weapons
- ***Scout Sniper Observer Night Observation Device***
  - 4Q/06 – Procure night vision device for the Scout Sniper Observation Telescope
- ***Weapons Tactical Light***
  - 4Q/06 – Procure a weapons tactical light for the Marine Corps Service Rifle

Future Program Initiatives

- ***R&D Investment***
  - FY08-11 – Drive development of next generation of optics (day/night, digitally fused systems that integrate multiple capabilities into a small, light, low-powered package)
- ***PMC Investment***
  - FY08-11 - Procure next generation of optics and field to the operating forces starting with infantry units
- ***O&MMC Investment***
  - FY08-11 – Provide support for the development, procurement, fielding and life cycle management of the next generation of optics

Open Discussion Topics

- ***Technologies of Interest:***
  - Digital Sensor Fusion, Short-wave Infrared (SWIR), electronic image intensifiers, miniature low power laser range finder, active range-gated imaging, real-time image processing, wireless image sharing, miniature eyepiece displays, thermal sensors, human factors, power supplies, lightweight materials.
- ***Future Requirements:***

  -Marine Handheld / Head Mounted Optic (MHHMO)

  -Individual Marine Infantry Weapon Sight (IMIWS)

  -Marine Crew Served Weapon Sight (MCSWS)

  -Scout Sniper Capability Set (SSCS)

Infantry Weapons Systems

Product Group 13

Reconnaissance and Amphibious Raids

Mr. Bill Barnebee, Program Manager

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, and parachuting.
- 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.
- We are looking for technology that can assist in providing enhanced capabilities.

PM Reconnaissance and Amphibious Raids: Mr. Barnebee

Appropriations ($000)	FY 06 (includes Bridge Supplemental)	Estimated FY 06 Full Supplemental	FY 07
RDT&E	$6,756	0	$680
O&MMC	$1,195	0	$2,729
PMC	$15,503	$12,100	$11,272

Near-Term Program Initiatives

- *Multi-Mission Parachute System (MMPS)*
- *Parachutist High Altitude Oxygen System (PHAOS)*
- *Assault Breacher Kit*
- *Combatant Divers Display Mask (CDDM)*
- *Underwater Locator Beacon (ULB)*
- *Expeditionary Hyperbaric Chamber System (EHCS)*
- *Forward Deployable Dive Locker (FDDL)*
- *Safety Boats*
- *Multi-Fuel Engine (MFE)*

Future Program Initiatives

- ***R&D Investment***
  - MAGTF Small Craft
  - Enhanced Underwater Breathing Apparatus (EUBA)

PMC Investment

- 2Q/08 - Tactical Hydrographic Survey Equipment (THSE)
- 2Q/08 - Joint Precision Aerial Delivery System (JPADS
- 2Q/08 - High Altitude High Opening Navigation (HAHO Nav)
- 3Q/08 – Multi-Fuel Engine (MFE)

- ***O&MMC Investment***
  - Life-cycle sustainment for combatant diving and parachute equipment

Open Discussion Topics

- Low cost production of accurate underwater navigation and parachute navigation equipment
- 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
- Small craft with increased survivability

Panel Questions and Answer Period

Lightweight 155mm Howitzer Program (JPMO-LW155)

Mr. Martin Kane, Program Manager

M777 Howitzer









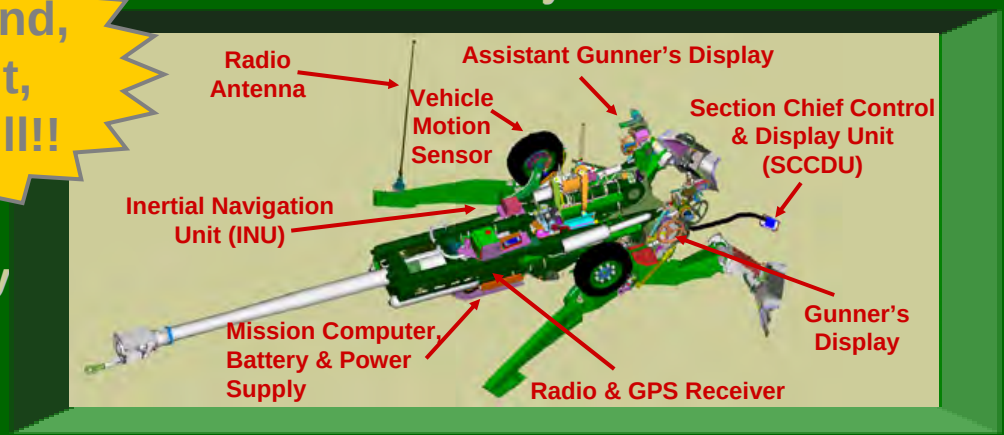
- Lightweight High-Strength Titanium
- Improved Strategic Deployment
- Improved Ground Mobility
- Improved Survivability

Towed Artillery Digitization (TAD)

- Flexible Operations
- Reduced Survey

Harder to Find,
Harder to Hit,
Harder to Kill!!

- Improved Accuracy
- More Responsive



Background

- BAE SYSTEMS is the Prime Contractor for the LW155 System
  - Managed From Barrow-In-Furness, UK
  - Integration & Assembly at Hattiesburg, MS
  - Value Chain Was Competitively Selected
  - Full-Rate Production Underway
  - Four Year Contract (FY05-08)
- General Dynamics ATP Digital Fire Control Supplier
  - Assembly & Integration In Hattiesburg, MS
- LW155 Has Issued Some 15 Contracts for GFE Items

Program Principals

Program Manager-James Shields 973-724-5319

Deputy Program Manager-Keith Gooding 973-724-5319

Business Manger-Martin Kane 973-724-5502

Chief Engineer-Gabriel Jarani 973-724-2415

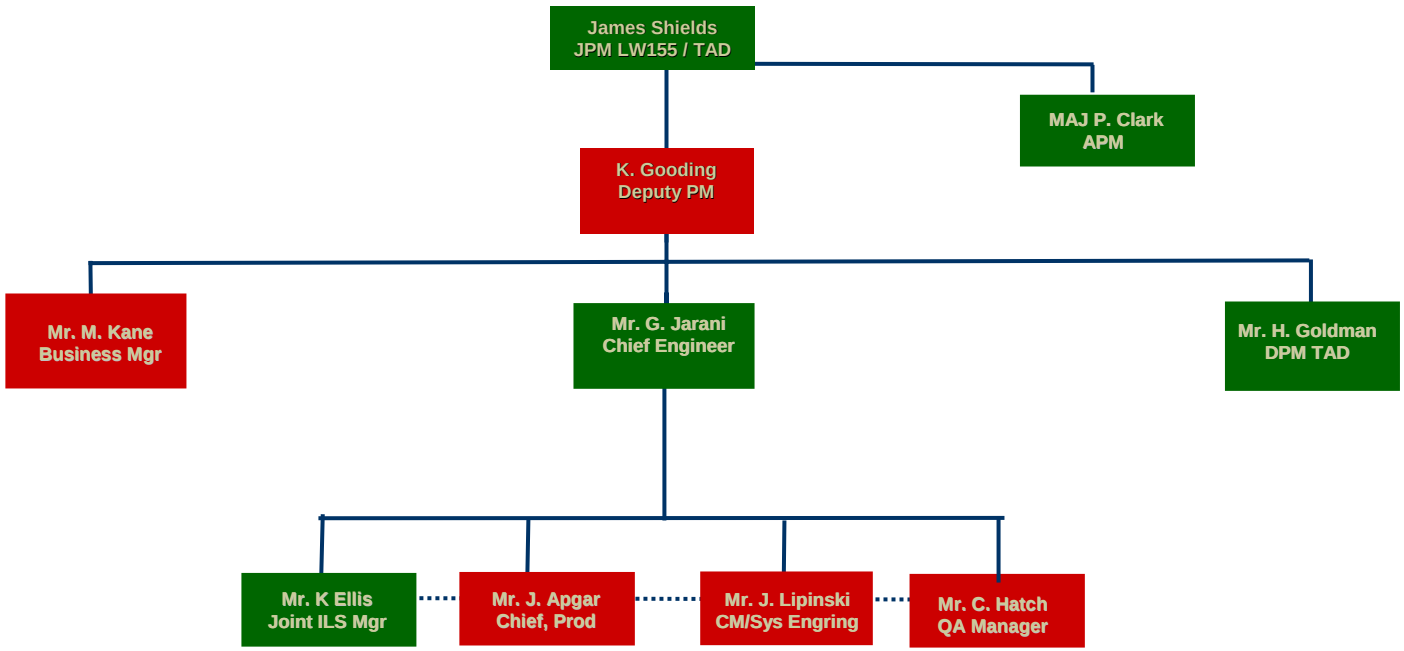
Program Contracting Officer-John Eilenberger-973-724-4265

Program Manager Total Funding: $1.7B

Appropriations Spending Breakout:

Appropriations	FY 06	FY 07
RDT&E (Army)	$0.6M	$0
O&MMC	$6.9M	$3.0M
PMC (USMC & Army)	$215.1M	$281.9M

JPMO LW155 Organization



LW155 Future Technology Interests

- HW/SW Upgrades – Wireless Technology, Muzzle Velocity Sensor, On-Board Ballistics
- Power Management – Li Ion Batteries, Solar Charger, NATO Adaptors
- Weight Reduction
- Powered Drives (Rammer, Suspension, Azimuth, Elevation)
- Ammunition Handling/Transfer
- Alternative Ignition Technology

Closing Remarks

- Program In Full Rate Production
- Future Opportunities - Spares, Upgrades & Product Improvements

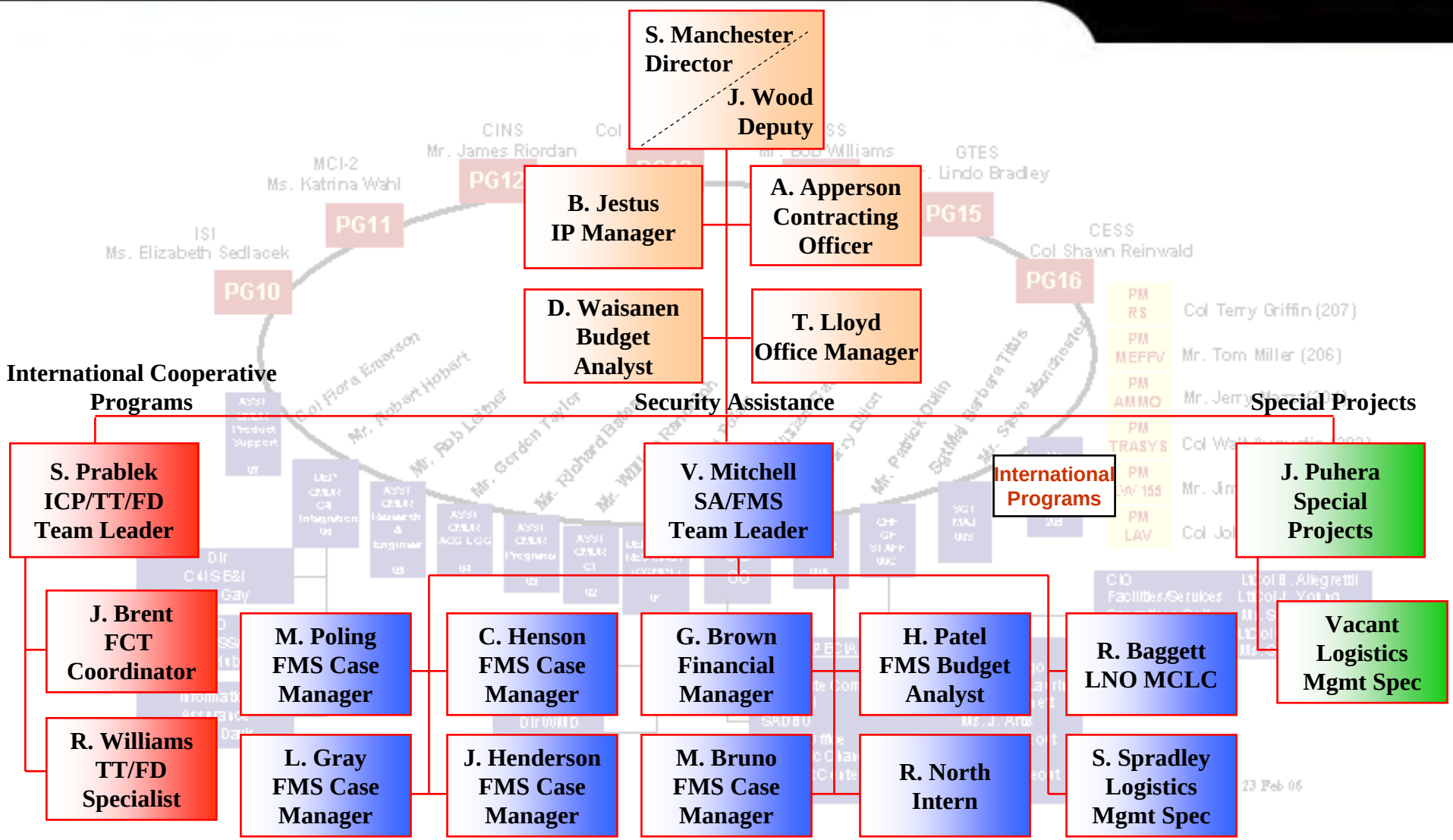
International Programs Directorate

(IPD)



Mr. Steven Manchester, Director

Advanced Planning Briefing to Industry 2006



International Programs Mission

Execute all International Programs effectively and efficiently while ensuring customer satisfaction

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

FMS

Defense Acquisition Challenge (DAC)
Foreign Comparative Testing (FCT)



Special Projects

Warfighter Success!!!

Security Assistance Programs





















86
FMS
CASES

$985M

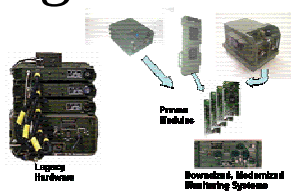
21 COUNTRIES

Defense Acquisition Challenge (DAC)









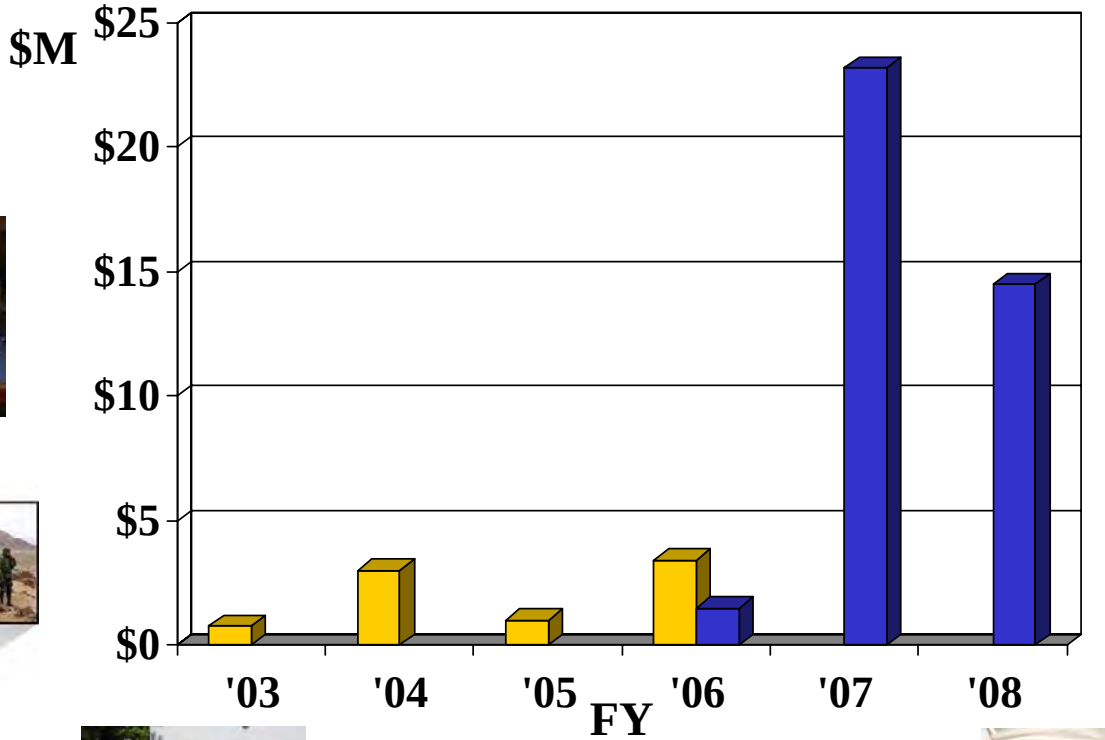








OSD Project Funding vs. USMC Procurement Funding



Foreign Comparative Testing (FCT)

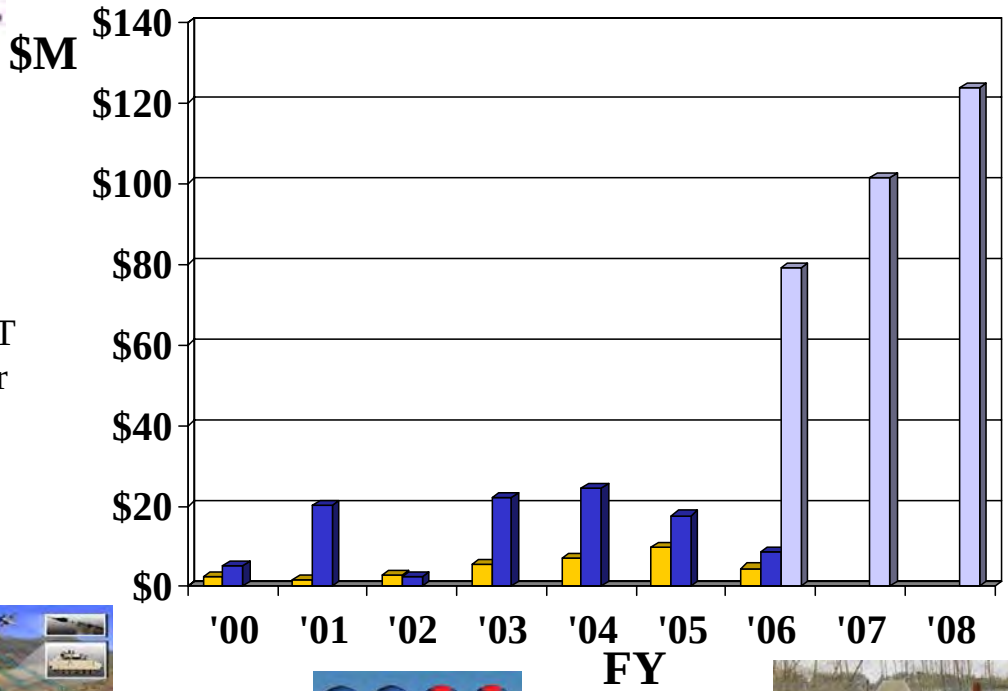








OSD Project Funding vs. USMC Procurement Funding





FY05 OSD FCT
PM of the Year

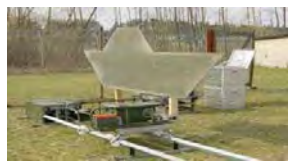


FY03 OSD FCT
PM of the Year













FY01 OSD FCT
PM of the Year

Special Projects

- 17,646 pieces of ***FOREIGN*** Commercial-Off-The-Shelf equipment
- ***$201.95M*** in USMC Procurement
- No domestic production available to meet these USMC requirements

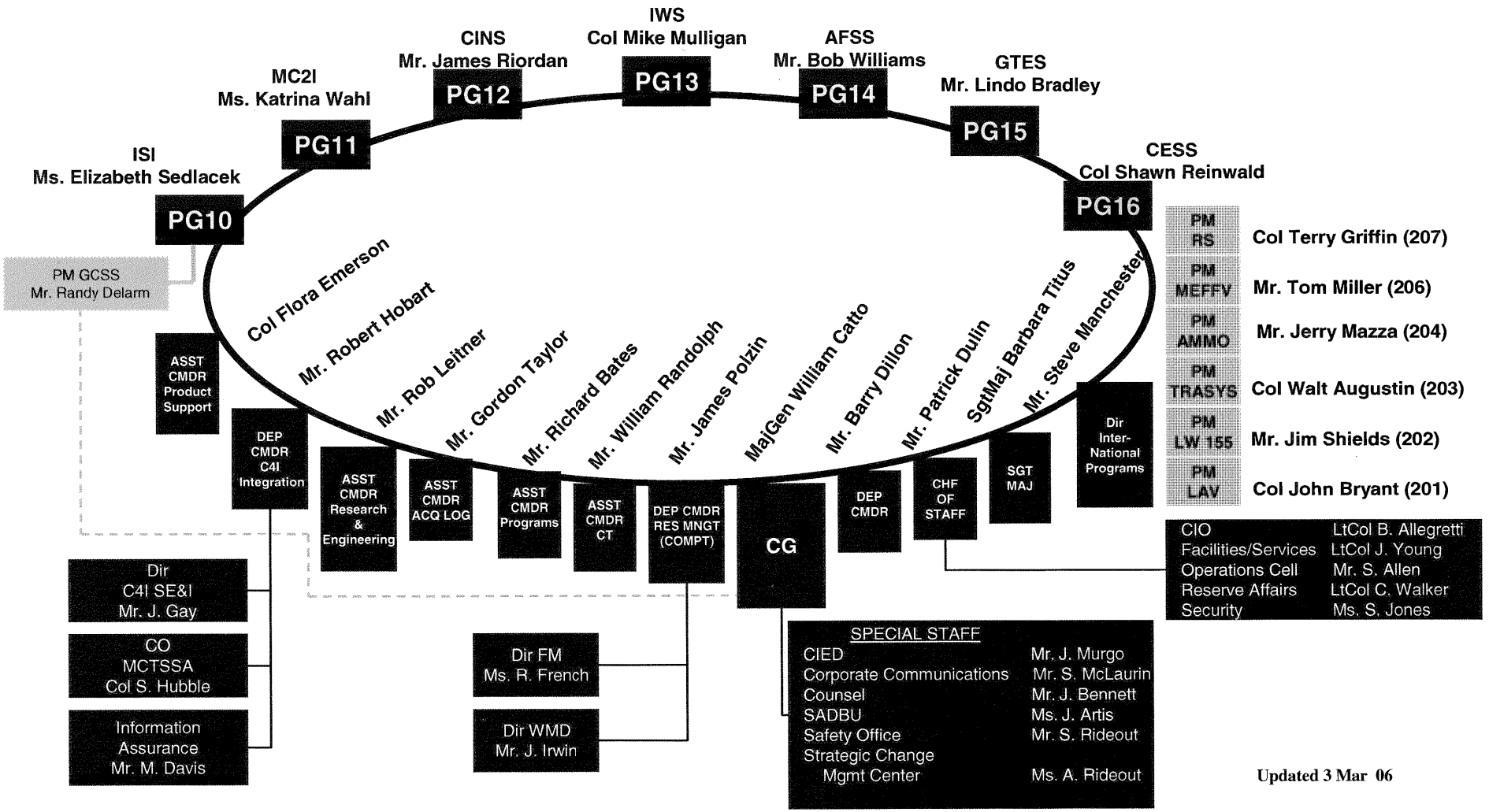





Summary

The USMC looks both at home and abroad to find the best equipment and capabilities for our Warfighters!!!

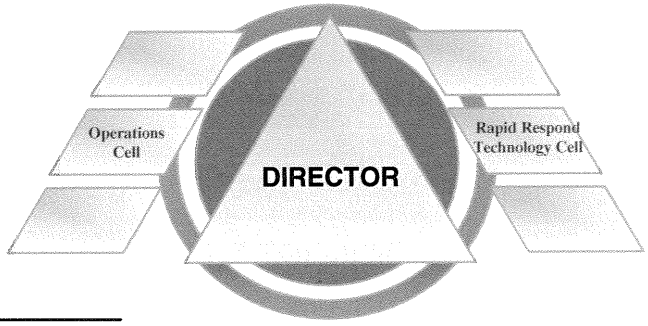
MARINE CORPS SYSTEMS COMMAND



Updated 3 Mar 06

Points of Contact

Counter Improvised Explosive Devices (CIED) Technology Directorate



MISSION

To make recommendations for technology pursuits to enhance and expedite the Marine Corps' ability to counter the ever-changing threat of Improvised Explosive Devices (IEDs).

VISION

- Be responsive to the warfighters' future needs by recommending programs, projects and technologies for development, production and fielding that meet the warfighters' needs.
- To provide the CG, MARCORSYSCOM and other senior-level officials within the Marine Corps a rapid response organization capable of providing timely and quality information papers, reports, trade studies, and assessments regarding Counter IED technologies.
- Serve as MARCORSYCOM's single point of coordination for all CIED efforts.
- Develop and maintain a technology knowledge center that is capable of providing technology roadmaps and showing the gaps in needed technologies.

CIED Technology Directorate

Director
Mr. Joseph B. Murgo
(703) 432-3757
joseph.murgo@usmc.mil

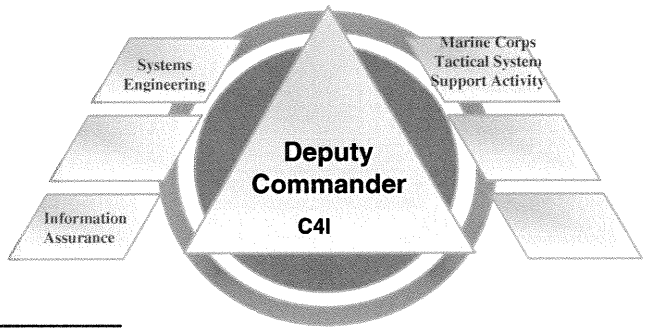
Deputy Director / Operations Officer
LtCol Christopher J. Wagner
(703) 432-5164
christopher.j.wagner@usmc.mil

Manager – Special Projects
LtCol Mike Huddle
(703) 432-5165
Email: TBD

Team Lead – Rapid Respond Technology Cell
Mr. Philip Salinas
(540) 288-5919
philip.salinas@baesystems.com

Lead Engineer
Mr. Peter Pham
(703) 432-3122
peter.pham1@usmc.mil

C4I Integration



MISSION

To ensure delivery and sustainment of a superior integrated Enterprise C4ISR capability to the operating forces and supporting establishments. *(Includes all C4ISR systems that connect in any way with DoD data networks both tactical and non tactical. Does not include electronics that do not connect in any way to any other systems. Interoperability: (1) The ability of systems, units, or forces to use the services, units, or forces and to use the services so exchanged to enable them to operate effectively together. (2) The condition achieved among communications-electronics systems or items of communications-electronics equipment when information or services can be exchanged directly and satisfactorily between them and/or their users. Integration: The stage of system development and demonstration that applies to systems that have yet to achieve system level design maturity as demonstrated by the integration of components at the system level in relevant environments.)

VISION

We are timely and consistent in providing quality systems and equipment to the Operating Forces. We expertly manage systems and equipment during their entire life cycle. We are a proud, high performance, team-based, learning organization working in a professional environment. We employ highly effective, streamlined and innovative business processes.

C4I Integration

Deputy Commander
Mr. Robert L. Hobart
(703) 432-3906
robert.l.hobart@usmc.mil

Operations Manager
Major Allen K. Johnson
(703) 432-3900
allen.k.johnson@usmc.mil

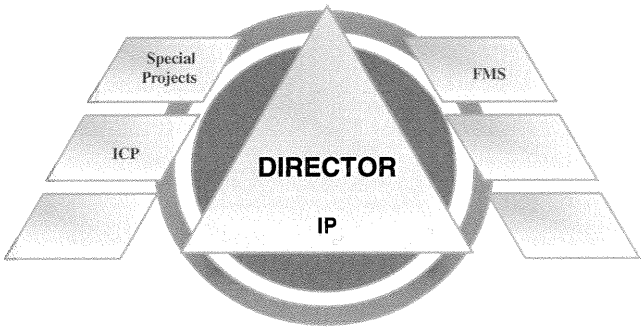
Office Manager
Ms. Eileen C. McMahon
(703) 432-3918
eileen.mcmahon@usmc.mil

Systems Engineering & Integration
Mr. John Gay, Director
(703) 432-3866
john.gay@usmc.mil

Information Assurance
Mr. Michael F. Davis, Director
(703) 432-3824
michael.f.davis@usmc.mil

Marine Corps Tactical Systems Support Activity
Colonel Stephen P. Hubble, Commanding Officer
(760) 725-2617 DSN: 365-2617
stephen.hubble@usmc.mil

International Programs (IP)



MISSION

Execute all Security Cooperation Programs effectively and efficiently while ensuring foreign and domestic war fighter satisfaction.

VISION

To serve as the principle agent for all International cooperation. To be involved in every aspect of coordination, planning and executing to provide maximum benefit to both the foreign customer and the USMC.

International Programs

Director
Mr. Steven Manchester
(703) 432-4337
Steven.Manchester@usmc.mil

Deputy Director
Ms. Jean Wood
(703) 432-4289
Jean.Wood@usmc.mil

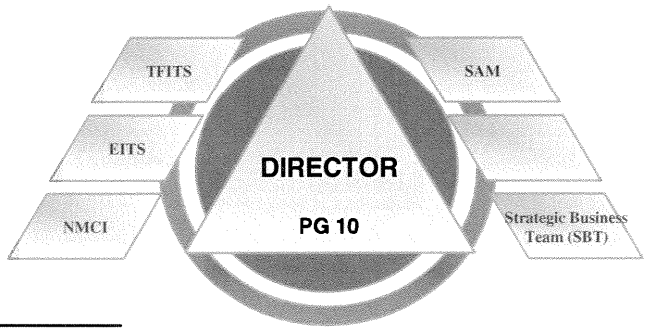
Office Manager
Ms. Antoinette.Lloyd
(703) 432-4326
Antoinette.Lloyd@usmc.mil

Special Projects
Mr. John "Chip" Puhera
(703) 432-4283
John.Puhera@usmc.mil

ICP Team Leader
Ms. Shawn.Prablek
(703) 432-4296
Shawn.Prablek@usmc.mil

FMS Team Leader
Ms. Vickie Mitchell
(703) 432-4302
Vickie.Mitchell@usmc.mil

PG 10
Information Systems and Infrastructure (ISI)



MISSION

We provide for the timely delivery and sustainment of interoperable, integrated quality information technology (systems & infrastructure) to meet the needs of the Marine Corps.

VISION

To serve as the principal agent for equipping the Operating Forces with the information, equipment and infrastructure to accomplish their warfighting mission

ISI

Product Group Director
Ms. Elizabeth Sedlacek
(703) 784-0844
Elizabeth.Sedlacek@usmc.mil

Business Manager
Ms. Sandra Switzer
(703) 432- 5174
Sandra.Switzer@usmc.mil

Operations Officer
LtCol David Ditton
(703) 432-5173
David.Ditton@usmc.mil

Office Manager
Ms. Jane Barentine
(703) 432-5149
Jane.Barentine@usmc.mil

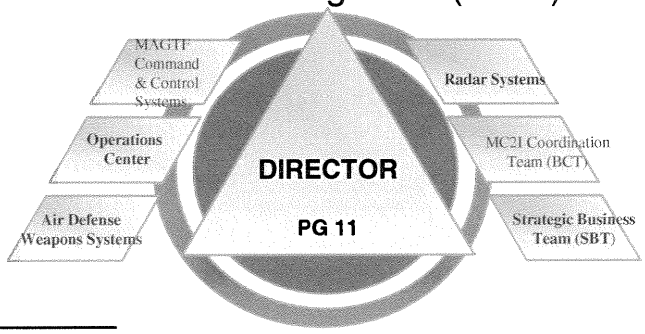
TFITS
Ms. Sonia Kitchen, Program Manager
(703) 432-5178
Sonia.Kitchen@usmc.mil

EITS
Mr. Ken Beutel, Program Manager
(703) 432-5183
Kenneth.beutel@usmc.mil

NMCI
Mr. Al Cruz, Program Manager
(703) 784-0824
Alfredo.Cruz@usmc.mil

SAM
Ms. Linda Salisbury, Manager
(703) 784-3788
Linda.Salisbury@usmc.mil

PG 11
MAGTF C², Weapons and Sensors Development and Integration (MC2I)



MISSION

To equip operating forces with MAGTF C², Weapons and Sensors Development and Integration (MC2I) in order to accomplish their warfighting mission.

VISION

We consistently provide quality MC2I systems and equipment to the operating forces by expertly managing MC2I systems and equipment during their entire life cycles. As a high-performance, team-based, learning organization working in a professional environment, we employ highly effective, streamlined, and innovative business processes.

MC2I

Product Group Director
Ms. Katrina G. Wahl
(703) 432-4240
katrina.wahl@usmc.mil

Business Manager
Mr. John H. Cocowitch
(703) 432-4154
john.cocowitch@usmc.mil

Operations Manager
Ms. Jennifer Gibson
(703) 432-4177
jennifer.gibson@usmc.mil

Office Manager
Ms. Kim Foster
(703) 432-4208
kimberly.foster@usmc.mil

Air Defense Weapons Systems
LtCol Lewis Wood, Program Manager
(703) 432-4010
lewis.wood@usmc.mil

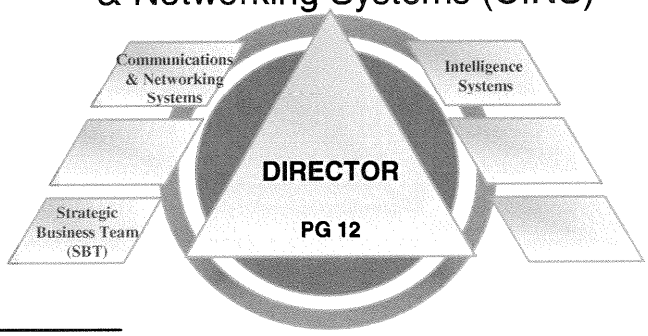
MAGTF Command & Control Systems
Col Steven Elkins, Program Manager
(703) 432-4183
steven.elkins@usmc.mil

MC2I Coordination Team (BCT)
Mr. Stan Thomas, Team Lead
(703)432-3910
stanley.e.thomas@usmc.mil

Operations Center
Mr. Kevin Holt, Acting Program Manager
(703) 432-4183
kevin.holt@usmc.mil

Radar Systems
Mr. John T. McGough, Program Manager
(703) 432-4217
john.mcgough@usmc.mil

PG 12
Communications, Intelligence & Networking Systems (CINS)



MISSION

To deliver world class communications, intelligence and networking capabilities to the Operating Forces in order to accomplish their warfighting mission.

VISION

To be timely and consistent in providing quality systems and equipment to the Operating Forces. A proud, high-performance, team-based, learning organization working in a professional environment, we expertly manage systems and equipment during their entire life cycle using highly effective, streamlined, and innovative business processes.

CINS

Product Group Director
Mr. James Riordan
(703) 432-4282
james.l.riordan@usmc.mil

Business Manager
Mr. Gregory Pardo
(703) 432-4216
gregory.pardo@usmc.mil

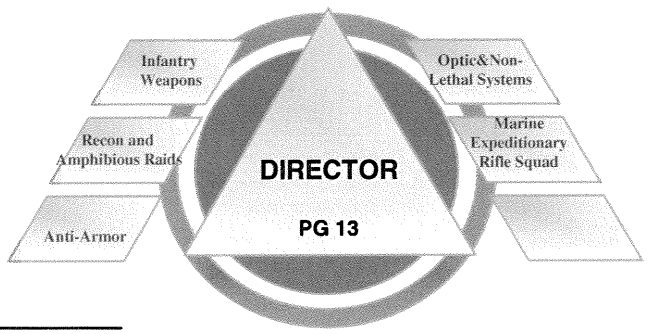
Operations Manager
Ms. Robyn Fait
(703) 432-4185
robyn.fait@usmc.mil

Office Manager
Ms. Sally Hall
(703) 432-4257
sally.hall@usmc.mil

Communications & Networking Systems
Ms. Theresa Conte, Program Manager
(703) 432-4338
theresa.conte@usmc.mil

Intelligence Systems
LtCol Joel Anderson, Program Manager
(703) 432-4267
joel.d.anderson@usmc.mil

PG 13
Infantry Weapons Systems (IWS)



MISSION

Infantry Weapons Systems (IWS) is the principal agent for equipping and sustaining the operating forces with the infantry 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.

VISION

In harmony with Marine Corps Systems Command vision, the IWS group's vision and strategic themes are:

- Providing quality systems and equipment to the Operating Forces.
- Expertly managing systems and equipment during their lifecycle.
- Establishing a proud, high-performance, team-based organization working in a professional environment.
- Employing highly effective, streamlined and innovative business processes.

IWS

Product Group Director
Col Michael J. Mulligan
(703) 432-3688
michael.j.mulligan@usmc.mil

Business Manager
Mr. Robert Forrester
(703) 432-3670
robert.forrester@usmc.mil

Operations Manager
Mr. Timothy Ferris
(703) 432-3682
timothy.ferris@usmc.mil

Infantry Weapons
LtCol Richard Adams, Program Manager
(703) 432-4641
richard.c.adams@usmc.mil

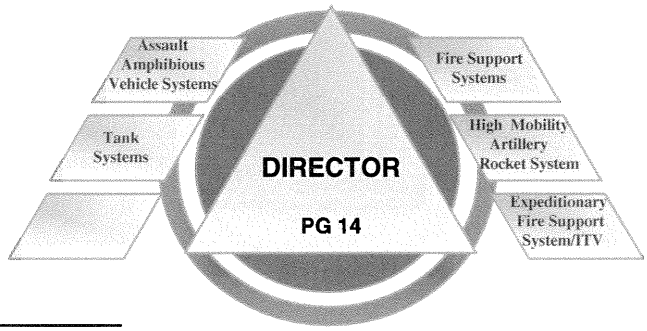
Reconnaissance and Amphibious Raids
Mr. Bill Barnebee, Program Manager
(703) 432-3638
bill.barnebee@usmc.mil

Anti-Armor
Mr. Axel Fait, Program Manager
(703) 432-3744
axel.fait@usmc.mil

Optics & Non-Lethal Systems
Ms. Jean Beal
(703) 432-3564
mary.beal@usmc.mil

Marine Expeditionary Rifle Squad
Mr. Dave Hansen
(703) 432-3640
david.k.hansen@usmc.mil

PG 14
Armor & Fire Support Systems (AFSS)



MISSION

To equip the operating forces with assault amphibious vehicle systems, fire support systems, a high mobility artillery rocket system, an expeditionary fire support system and tank systems to accomplish their war-fighting mission.

VISION

We are timely and consistent in providing quality systems and equipment to the Operating Forces. We expertly manage systems and equipment during entire lifecycle. We are a proud high performance, product-centric, team-based, knowledge sharing, learning organization working in a professional environment. We employ highly effective, streamlined, and innovative business processes.

AFSS

Product Group Director
Mr. Robert Williams, Jr.
(703) 432-4290
robert.l.williams8@usmc.mil

Business Manager
Mr. Sushil Baluja
(703) 432-4253
sushil.baluja@usmc.mil

Operations Manager
Mrs. Wendy Perry
(703) 432-4087
wendy.perry@usmc.mil

Office Manager
Mrs. Kimberly Ambrose
(703)432-4281
kimberly.i.ambrose@usmc.mil

Tank Systems
LtCol John Swift, Program Manager
(703) 432-4325
john.d.swift@usmc.mil

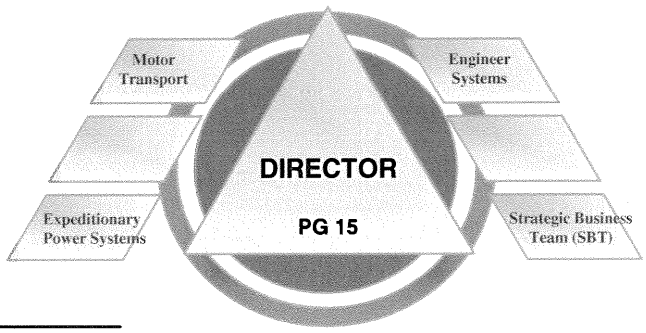
Expeditionary Fire Support System/Internally Transportable Vehicle
Mr. John Garner, Program Manager
(703) 432-3258
john.garner@usmc.mil

Fire Support Systems
Mr. James Ripley, Program Manager
(703) 432-4323
james.m.ripley@usmc.mil

Assault Amphibious Vehicle Systems
Mr. Bryan Prosser, Program Manager
(703) 432-4321
bryan.prosser@usmc.mil

High Mobility Artillery Rocket System
Mr. James Westerholm, Program Manager
(703) 432-4204
james.westerholm@usmc.mil

PG 15
Ground Transportation & Engineer Systems (GTES)



MISSION

To provide the Operating Forces with superior acquisition and life cycle management of tactical ground transportation, power generation and stored power, and engineer systems.

VISION

To provide effective, complete, products in a timely manner, using streamlined, efficient processes, executed by professional, courteous and knowledgeable staff.

GTES

Product Group Director
Mr. Lindo Bradley
(703) 432-3565
lindo.bradley@usmc.mil

Business Manager
Mr. William D. Johnson
(703) 432-3226
william.d.johnson@usmc.mil

Operations Manager
Ms. Wanda McLennan
(703) 432-3578
wanda.mclennan@usmc.mil

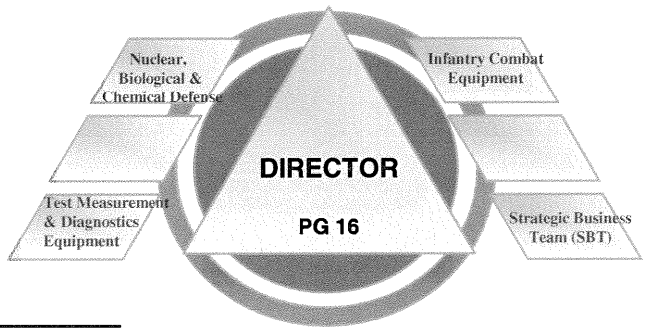
Office Manager
Ms. Marchie Mullins
(703) 432-3562
marchie.mullins@usmc.mil

Motor Transport
Col Sue Schuler, Program Manager
(703) 432-3683
sue.schuler@usmc.mil

Engineer Systems
Mr. Bill Macecevic, Program Manager
(703) 432-3598
william.macecevic@usmc.mil

Expeditionary Power Systems
Mr. Mike Gallagher, Program Manager
(703) 432-3572
michael.a.gallagher@usmc.mil

PG 16
Combat Equipment & Support Systems (CESS)



MISSION

Develop, acquire, integrate, and manage the life cycle of combat equipment and support systems that maximize individual warfighter mobility, survivability, and sustainability necessary to accomplish the unit mission.

VISION

To be recognized as the premier global provider and life cycle manager of state of the art technologies, systems, and services that reach beyond the warfighter's expectations.

CESS

Product Group Director
Col Shawn M. Reinwald
(703) 432-3283
shawn.reinwald@usmc.mil

Business Manager
Vacant

Operations Manager
Mrs. Jean Klinger
(703)432-3281
jean.klinger@usmc.mil

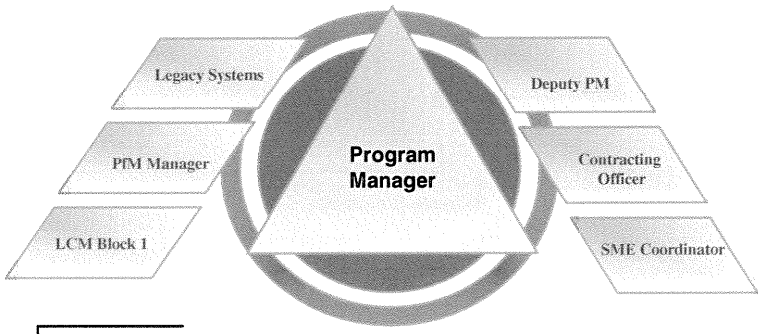
Office Manager
Ms. Pati Murphy
(703) 432-4754
patricial.murphy@usmc.mil

Nuclear, Biological and Chemical Defense Systems
Mr. James Nelson, Program Manager
(703) 432-3194
james.l.nelson@usmc.mil

Infantry Combat Equipment
Mr. Daniel Fitzgerald, Program Manager (703) 432-3334
daniel.fitzgerald@usmc.mil

Test, Measurement, and Diagnostic Equipment
LtCol(Sel)Charles T. Parton, Program Manager
(703) 432-3235
charles.parton@usmc.mil

Global Combat Support System – Marine Corps (PM GCSS-MC)



MISSION

The mission of the Program Manager, GCSS-MC is to provide capabilities that support the physical implementation requirements and support discreet performance measures necessary to accomplish enterprise logistics transformation objectives. The Program Manager is chartered to deliver integrated functionality and a logistics SDE implemented through the maximum use of COTs and GOTs software, enterprise application integration/middleware software, and web portal software. The Program Manager will acquire capabilities to satisfy the Marine Corps Logistics Transformation Plan, and the Marine Corps Logistics Campaign Plan. The GCSS-MC program, when fully implemented, will sustain an enterprise strategy designed to enable business process and modernize information technology required to improve combat effectiveness for 21st Century expeditionary operations.

VISION

To maximize Marine Corps Combat Effectiveness through state-of-the-art Logistics Information Technology, that delivers the right logistics data at the right time, at the right place.

PM GCSS-MC

Program Manager
Mr. Randy Delarm
(703) 441-4958
randy.delarm@usmc.mil

Deputy Program Manager
LtCol Parker
(703) 441-4064
william.j.parker1@usmc.mil

GCSS-MC South, Legacy Systems
Ms. Shirley Lemon
(229) 639-5506
shirley.lemon@usmc.mil

Portfolio Manager
Mr. Mark Jones
(703) 441-8267
mark.jones1@usmc.mil

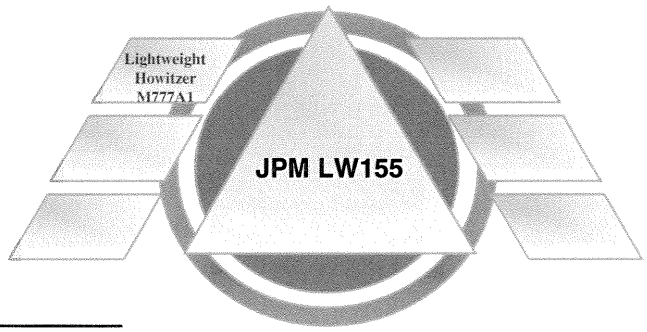
LCM Block 1
Scott Smid
(703) 441-4055
scott.smid@usmc.mil

SME Coordinator
Maj Doug Weddle
(703) 441-4061
weddlede@mcsc.usmc.mil

Contracting Officer
Ms. Sue Banach
(703) 441-6432
susan.banach@usmc.mil

Office Manager
Ms. Jume Russell
(703) 432-5091
jume.russell.ctr@usmc.mil

JPM Lightweight Howitzer



MISSION

Provide Marines and infantryman with effective and responsive fire support by taking a Joint (Marine Corps and Army) perspective in managing the acquisition, fielding and sustainment of the Joint Lightweight Howitzer system (M777A1).

VISION

Provide a world class life-cycle support to Marines and Soldiers as the preeminent developer of towed artillery systems.

JPMO LW155

Program Manager
Mr. James Shields
(973) 724-5319/DSN: 880-5319
james.shields3@us.army.mil

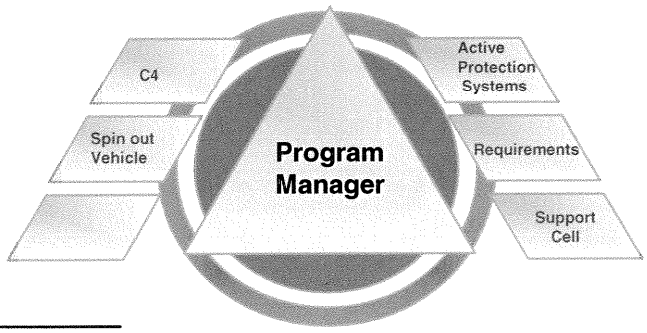
Deputy Program Manager
Mr. Keith Gooding
(973) 724-4427/DSN: 880-4427
keith.t.gooding@us.army.mil

Business Manager
Martin Kane
(973) 724-5502/DSN: 880-5502
mkane@pica.army.mil

Digital Fire Control Deputy Product Manager
Harvey Goldman
(973) 724-8715/DSN: 880-8715
harvey.goldman@us.army.mil

Chief Engineer
Gabriel Jarani
(973) 724-2415/DSN: 880-2415
gjarani@pica.army.mil

MAGTF Expeditionary Family of Fighting Vehicles (MEFFV)



MISSION

MEFFV is the Marine Corps' focal point for coordinating and integrating USMC activities related to the Army's Future Combat Systems Program in the areas of C4I integration and interoperability, technology assessment and transition, and future armored combat vehicle development. PM MEFFV is responsible for acquisition planning, coordination, and execution of current and future technologies, such as Active Protection Systems and Intelligent Munitions Systems, for integration into appropriate USMC vehicle platforms.

VISION

To provide our warfighters with a survivable, lethal combat capability through integrated technology, C4I, and joint analysis. As a proud, high-performance, team-based, learning organization working in a professional environment, PM MEFFV employs highly effective, streamlined and innovative business processes.

MEFFV

Program Manager
Mr. Thomas H. Miller
(703) 432-4436
thomas.h.miller3@usmc.mil

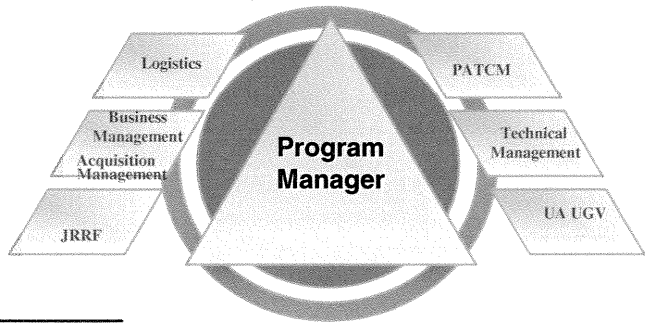
Spin Out/Vehicle Team
Mr. Eric W. Miller, Team Lead
(703) 432-3207
eric.w.miller1@usmc.mil

Active Protection Systems Team
Mr. Howard "Skip" Bayes, Team Lead
(703) 432-3175
howard.bayes@usmc.mill

C4I Integration Team
Mr. Karl Tritchler, Acting Team Lead
(703) 496-9212
wktritch@mitre.com

MCCDC-JCIDS Team
Mr. Chris Yunker, Section Head
(703) 784-4567
chris.yunker@usmc.mil

Robotic Systems Joint Project Office (RS JPO)



MISSION

- Field Reliable, Relevant Robotic systems Quickly and Safely
- Build Trust and Credibility with the Warfighter and DoD by
  - Delivering Safe, Affordable, Capable Products
  - Utilizing Best business Practices for Acquisition Excellence and Life Cycle Management
- Improve Future Capabilities by Maintaining State-of-the-Art Technical Skills to Advance Technologies in a Collaborative System Environment

VISION

"Lead DOD in Responsively Fielding Reliable Robotic Systems"

PM Robotic Systems

Program Manager
COL Terry W. Griffin
(256) 955-6995
terry.griffin@redstone.army.mil

Deputy PM
Duane Gotvald
(256) 955-6995
duane.gotvald@redstone.army.mil

Business Management
COL Edward Ward
(256) 955-6211
edward.m.ward@redstone.army.mil

APM - Gladiator
Larry Hennebeck
876-3988
larry.hennebeck@redstone.army.mil

APM - RCSS
Lane McCollum
(256) 842-0943
lane.mccollum@redstone.army.mil

APM – ABV
Steve Hayes
(256) 955-7003
steve.hayes1@redstone.army.mil

APM – ThrowBot
Barry Hall
(256) 955-6513
barry.hall@redstone.army.mil

APM – SUGV
Chuck Lewis
(256) 955-7049
chuck.lewis2@redstone.army.mil

Logistics
COL Edward M. Ward
(256) 955-6211
edward.m.ward@redstone.army.mil

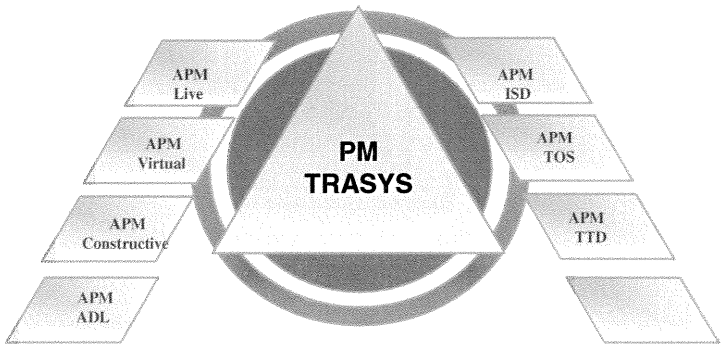
Technical Management Division
Joel Wise
(256) 955-0767
joel.wise@redstone.army.mil

Product Assurance, Test, and Configuration Management Division
Michael D. Whittier
(256) 842-0122
mike.whittier@redstone.army.mil

UA UGV Systems
Bob Thomas
(256) 971-6727
bob.thomas@redstone.army.mil

Joint Robotics Repair Facility
COL Edward Ward
(256) 955-6211
edward.m.ward@redstone.army.mil

PM Training Systems (PM TRASYS)



MISSION

To serve as the Marine Corps' center of excellence in providing training solutions for our Marines in a way that enables them to effectively accomplish their mission.

VISION

To be the recognized leader in providing training solutions to develop and enhance the performance of Marines.

PM TRASYS

Program Manager
Col Walter H. Augustin

Deputy Program Manager
Mr. Daniel O. Torgler

Business & Operations Manager
Mr. Brian S. Kummer

Assistant Program Manager Live
LtCol Brad Valdyke

Assistant Program Manager Virtual
Ms. Annette Pike

Assistant Program Manager Constructive
LtCol Gregory Caldwell

Assistant Program Manager
Advanced Distributed Learning
Ms. Anne Sullivan

Assistant Program Manager
Instructional Systems Development
Mr. Bill Franklin

Assistant Program Manager
Training Operations Support
Maj Stuart Muladore

Assistant Program Manager
Training Technology Development
Mr. Martin Bushika

Aviation Liaison
LtCol Ed Coyl

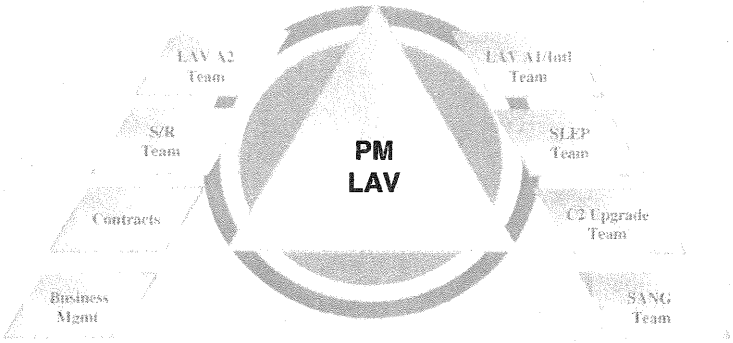
Marine Forces Reserve Liaison
LtCol Julio Villalba

Contact PM TRASYS through our Business Office:

Phone: (407) 381-8762
Fax: (407) 381-8807
E-mail: pmtrasys@usmc.mil

Web-site: www.marcorsyscom.usmc.mil then select "TRASYS"

Program Manager
Light Armored Vehicles (LAV)



MISSION

Provide technologically superior weapon systems while supplying focused life cycle management to our customers.

VISION

For the Program Manager (PM) Light Armored Vehicle (LAV) team to achieve world class leadership in innovative system acquisition and effective sustainment of armored vehicles.

PM LAV

Program Manager
Col John J. Bryant
(586) 574-8338 / DSN: 786-8338
john.j.bryant@us.army.mil

Deputy Program Manager
Dr. Robert J. Lusardi
(586) 574-8339 / DSN: 786-8339
bob.lusardi@us.army.mil

Executive Officer
Ms. Suzanne F. Miller
(586) 574-8340 / DSN. 786-8340
sue.miller@us.army.mil

Business Manager
Ms. Janet F. Boatman
(586) 574-8345 / DSN: 786-8345
jan.boatman@us.army.mil

Contracts Manager
Mr. William L. Abramson
(586) 574-8350 / DSN: 786-8350
william.abramson@us.army.mil

Product Manager – LAV A2
Mr. Michael P. Bierlein
(586)574-8365 / DSN: 786-8365
michael.p.bierlein@us.army.mil

Product Manager – LAV A1/International
Mr. Joseph P. Wagner
(586) 574-8355 / DSN: 786-8355
joseph.p.wagner@us.army.mil

Team Leader - SANG
Mr. James Streberger
(586) 574-3916 / DSN: 786-3916
jim.streberger@us.army.mil

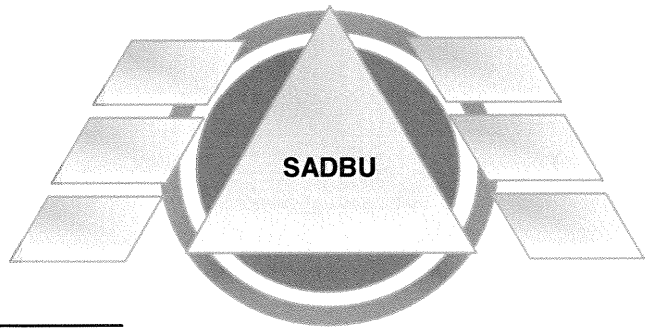
Team Leader – LAV C2 Upgrade
Mr. William Ross
(586) 574-8349 / DSN: 786-8349
william.ross1@us.army.mil

Team Leader – SLEP ITSS
Ms. Linda Passeri
(586) 574-3914 / DSN: 786-3914
linda.k.passeri@us.army.mil

Team Leader – SLEP Basic
Mr. Harry Davis
(586) 574-5403 / DSN: 786-5403
harry.davisjr@us.army.mil

Team Leader – Sustainment/Readiness (S/R)
Mr. Carl Zink
(586) 574-8369 / DSN: 786-8369
carl.zink@us.army.mil

Small and Disadvantaged Business Utilization (SADBU) Office



MISSION

To assist the Commanding General in maintaining a successful Small Business Program through outreach and training.

VISION

To establish and maintain a thriving Small Business Program

The Marine Corps Systems Command is responsible for providing research, development, and acquisition of equipment, information systems, training systems, and weapon systems to satisfy all approved material requirements of the Marine Corps. As a tenant of the Marine Corps Base Quantico, we are not responsible for base type support contracts.

Small businesses interested in providing capability briefs, please e-mail Small Business at jeraline.artis@usmc.mil.

SADBU

Associate Director
Ms. Jeraline S. Artis
(703) 432-3946
jeraline.artis@usmc.mil

Contracts 02



MISSION

To effectively contribute to the war fighting mission of the United States Marine Corps by providing quality, timely, cost-effective and value-added procurement solutions for our Marine Corps customers; all while being diligent and faithful stewards of the taxpayers' dollar and trust.

CORE VALUES

- Ethics/Integrity
- Customer Satisfaction
- Teamwork
- Continuous Improvements

CONTRACTS

Mr. William Randolph
Office: (703) 432-3947, DSN: 378-3947
FAX: (703) 432-3538
william.c.randolph1@usmc.mil

Contracts Strategic Business Teams
Mr. Dave Berry
Information Systems & Infrastructure
Office: (703) 784-0704, DSN: 278-0704
david.w.berry2@usmc.mil

Ms. Peggy Hake
Ground Transportation & Engineer Systems
Office: (703) 432-3691, DSN: 378-3691
peggy.hake@usmc.mil

Mrs. Beverly Hobbs
Business Operations
Office: (703) 432-4919
beverly.hobbs@usmc.mil

Ms. Robin Kuschel
Expeditionary Fighting Vehicle
Office: (703) 432-3158
kuschelrj@efvusmc.mil

Mr. David Marr
Infantry Weapons Systems
Office: (703) 432-3724, DSN: 378-3724
david.r.marr@usmc.mil

Ms. Valerie Mosqueira
Battlespace Management & Air Def. Systems
Office: (703) 432-4192, DSN: 378-4192
valerie.mosqueira@usmc.mil

Mr. Steve Riffe
Marine Air Ground Task Force
Office: (703) 432-4280, DSN: 378-4280
stephen.l.riffe@usmc.mil

Ms. Dorinne Rivoal
Combat Equipment & Support Systems
Office: (703) 432-3274, DSN: 378-3274
dorinne.rivoal@usmc.mil

Mr. Edwin Wright
Armor & Fire Support Systems
Office: (703) 432-4284, DSN: 378-4284
edwin.wright@usmc.mil

MAGTF Expeditionary Family of Fighting Vehicles (PM MEFFV)

Mr. Thomas Miller, Program Manager

Thomas.H.Miller3@usmc.mil

Phone 703-432-4436

PM MEFFV is:

- the USMC's focal point for coordination and integration of USMC activities related to the Army's Future Combat Systems

- responsible for development, acquisition, and life-cycle management of Active Protection Systems "B Kits" for application on current force platforms (LAVs, AAVs, etc.)

FCS Coordination Focus Areas:

- Achieving FCS network and MAGTF C2 synchronization in support of the Joint C2 functional concept
  - Joint IPT established, developing Joint CONOPs
- Leveraging FCS technologies for USMC use through assessment of Spin Outs
  - Technology transition agreements; USMC has adopted Intelligent Munitions Systems
- Assessing the suitability of FCS platforms (UAVs, UGVs, MGVs) for USMC use
  - Developing ICD for future MEFFV vehicles (to replace LAV family and M1A1s

Active Protection Systems:

- APS provides hard kill capability to defeat incoming RPG threat for lightly armored vehicles (LAVs and AAVs; potential for EFV);

- conducting market research and initial requirements development work for anticipated FY08 new start

- monitoring Army development program for Stryker and FCS

- monitoring coalition development efforts

PMO Principals:

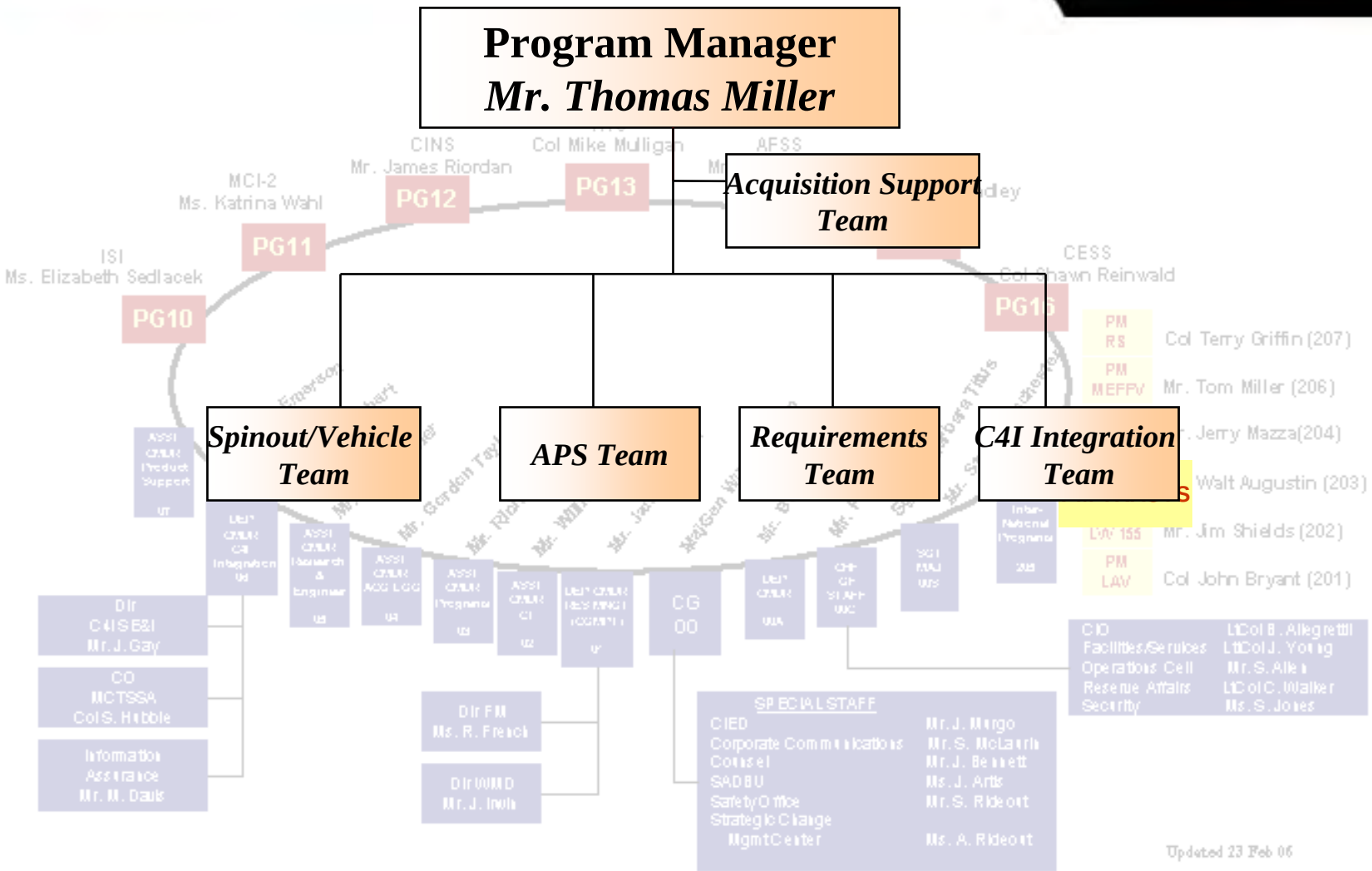
1. Spinout/Vehicle Team Lead
   Mr. Eric Miller, (703) 432-3207
2. Active Protection Systems Team Lead
   Mr. Howard Bayes, (703) 432-3175
3. Requirements Advocate
   Mr. Chris Yunker, (703) 432-4567
4. C4I Integration Team Lead (Acting),
   Karl Tritchler (Mitre) (703) 496-9212

Program Manager Total Funding: $4,564,000

Appropriations Spending Breakout:

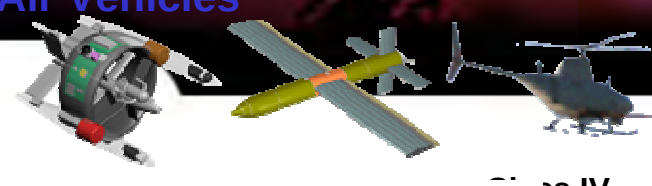
Appropriations	FY 06	FY 06 Supplemental	FY 07
RDT&E	$4,464,000	N/A	$5,307,000
O&MMC	$100,000	N/A	TBD
PMC	N/A	N/A	N/A

Advanced Planning Briefing to Industry 2006
Independent Program Managers









Infan
V

PM MEFFV Key objectives:

- Near term focus – leverage significant Army FCS investment/technologies for current force USMC benefit

- Future focus – maintaining or expanding current USMC capabilities; ensuring C4I interoperability with FCS BCT

Primary Near Term Business Opportunities:

- Active Protection Systems: POM 08 New Start

- USMC Application of FCS Spin Outs


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Comb

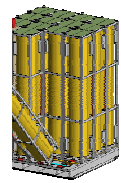

Non-I
of Sig


FCS Recovery and Maintenance Vehicle


Medical Treatment and Evacuation


ARV Asit


ARV-A (L)
MULE: (Countermine)
MULE: (Transport)





Infantry Weapons Systems
Product Group 13
Overview

Colonel Michael J. Mulligan, Product Group Director

Principal agent for equipping and sustaining Marine Corps Operating Forces with the infantry weapons and systems to accomplish Infantry, Anti-armor/material, Amphibious Raids and Reconnaissance missions.

- ✓ **Portfolio: includes sustaining legacy equipment, current procurement activities, and development of:**
  - ✓ **Individual and crew-served weapons ranging up to 40mm Grenade Machine Guns**
  - ✓ **Optical equipment including Image Intensification, Thermal, and Magnified Optics**
  - ✓ **Small craft, dive and parachute equipment**
  - ✓ **Anti-armor missile and rocket systems**
  - ✓ **Non-lethal systems**
  - ✓ **We are in the process of incorporating the armor and load bearing portion of individual combat equipment into IWS to provide a single nexus for all infantry weapon systems and related equipment needed by the Marine infantryman in combat."**

✓**Our planning horizon ranges from rapid responses to fill urgent needs of the operating forces to classic long-term development programs. Most of our current activities are focused on COTS or near-COTS items.**

✓ **We need industry's help in focused IR&D, and S&T partnerships that will mature technologies to lighten the load and increase the lethality of the individual Marine. COTS products that are developed with that focus in mind will be attractive.**

Product Group Principals:

✓**PG Director:** **Colonel Michael Mulligan 703-432-3688**

PM Anti-Armor Systems: *Mr. Axel Fait* 703-432-3744
PM Infantry Weapons: *LtCol Rick Adams* 703-432-4641
PM Marine Expeditionary Rifle Squad: *Mr. Dave Hansen* 703-432-3744
PM Optics and Non-Lethal Systems: *Ms. Jean Beal* 703-432-3564
PM Amphibious Raids and Reconnaissance: *Mr. Bill Barnebee* 703-432-3638

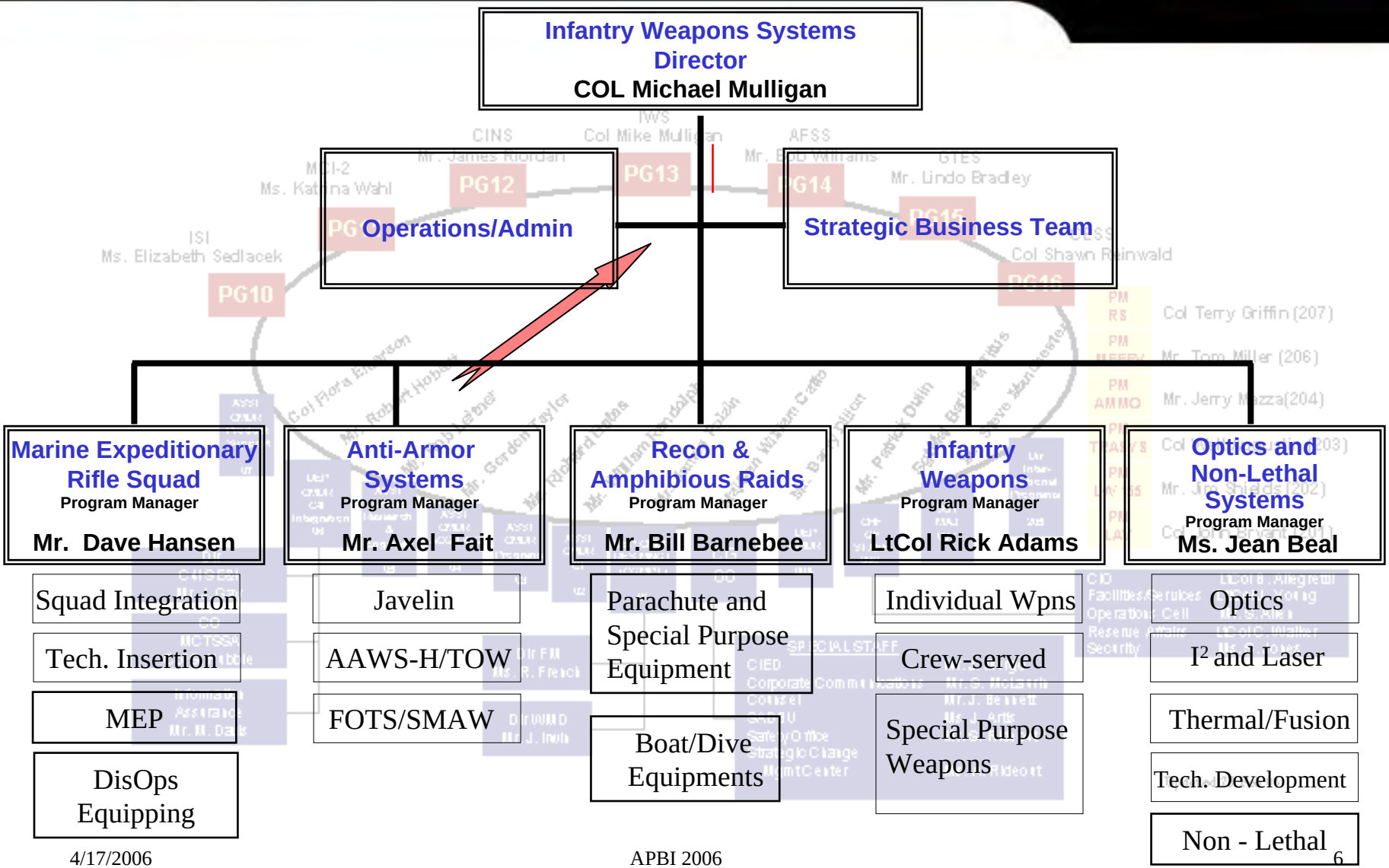
✓**Strategic Business Team (SBT)**

Business Manager: *Mr. Robert Forrester* 703-432-3670
Contracts Manager: *Mr. Dave Marr* 703-432-3724
Lead Financial Manager: *Ms. Barbara Fielding* 703-432-3733
Lead Engineer: *Mr. Vince Ellis* 703-432-3694
Lead Logistician: *Mr. Vincent Ellis*
Operations Manager: *Mr. Tim Ferris* 703-432-3682

Product Group Total Funding:

Appropriations ($000)	FY 06 (Includes Bridge Supplemental)	Estimated FY 06 Full Supplemental	FY 07
RDT&E	$30,236	$1,300	$9,444
O&MMC	$7,266	0	$10,385
PMC	$210,376	$582,091	$47,093

Advanced Planning Briefing to Industry 2006



Infantry Weapons Systems
Product Group 13
Anti-Armor Systems

Mr. Axel G. Fait, Program Manager

Description:

- Responsible for development, procurement, fielding and life cycle management of Infantry anti-armor, anti-structure, and assault weapon systems

- Portfolio includes:
  - TOW Missile System
  - Advanced Anti-Armor Weapon System - Heavy
  - Javelin Missile System
  - Shoulder-Launched Multipurpose Assault Weapon
  - Follow On to Shoulder-Launched Multipurpose Assault Weapon

PM Anti-Armor Systems Mr. Fait

Appropriations ($000)	FY 06 (Includes Bridge Supplemental)	Estimated FY 06 Full Supplemental	FY 07
RDT&E	$1,793	0	$503
O&MMC	$3,121	0	$4,440
PMC	$1,000	$245,758	$3,282

Near-Term Program Initiatives

- ***Advanced Anti-Armor Weapon System Heavy***
  - 3Q/06 – Procure initial quantities of Improved Target Acquisition System (ITAS) with integrated Far Target Locator via U. S. Army contract
  - 3Q/06 – Procure TOW-Bunker Buster missiles via U. S. Army contract
  - FY06-07 – Contractor Logistics Support
- ***Javelin Anti-Armor Weapon System Medium***
  - FY06-07 – Contractor Logistics Support
- ***Fuze Design***
  - FY06-07 – Develop software to assess warhead/target interaction for use in multi-mode fuze development

Future Program Initiatives

- ***R&D Investment***
  - FY08-11 – Qualification of the Follow On to Shoulder-Launched Multipurpose Assault Weapon (FOTS) with subsequent production
- ***PMC Investment***
  - FY08-11 - Procure remaining quantities of Improved Target Acquisition System (ITAS) with integrated Far Target Locator via U. S. Army contract
  - FY08-11 – Procure TOW-2B Aero missiles via U. S. Army contract
- ***O&MMC Investment***
  - FY08-11 – Contractor Logistics Support

Discussion Topics

- Lightweight, man-portable, shoulder-fired assault weapon system with Fire-From-Enclosure capability and performance equal to or greater than current Shoulder-Launched Multipurpose Assault Weapon (SMAW)
- Rocket motors meeting insensitive munitions requirements
- Multi-mode warheads effectively engaging both anti-tank and anti-structure target sets

PM Anti-Armor Systems Mr. Fait

Introduce the next Program Manager

LtCol Rick Adams, PM Infantry Weapons

Infantry Weapon Systems

Product Group 13

Infantry Weapons

LtCol. Rick Adams, Program Manager

PM Infantry Weapons, LtCol Rick Adams

Description: PM Infantry Weapons is responsible for R&D, procurement and lifecycle management for all infantry weaponry employed by the warfighter.

- Crew Served Weapons
  - Machine Guns and Mortars
- Individual Weapons
  - Pistols
  - Rifles to include sniper weapons
- Industry can help as we look to improve the technologies of weapons
  - Ammunition: lighter, increased incapacitation
  - Weapons: reduced weight, improved reliability, reduced maintenance

PM Infantry Weapons, LtCol Rick Adams

PM IW Total Funding: Appropriations ($K) Spending Breakout:

Appropriations ($000)	FY 06 (includes Bridge Supplemental)	Estimated FY 06 Full Supplemental	FY 07
RDT&E	$4,023	0	$2,382
O&MMC	$335	0	$367
PMC	$114,528	$52,693	$12,047

Near-Term Program Initiatives

- ***Infantry Automatic Rifle (IAR)-*** **The IAR is a light weight, magazine fed, 5.56mm, individual weapon. The IAR enhances the automatic rifleman's maneuverability and displacement speed, while providing the ability to suppress or destroy not only area targets, but point targets as well. The IAR will replace the M249 SAW within each infantry battalion.**

- ***Joint Combat Pistol (JCP)-*** **Along with SOCOM the USMC is looking for a COTS Caliber 45 Pistol That Will Replace MEUSOC .45. The selected pistol will be reliable, accurate and will be ergonomically optimized.**
  - **Leverages Advancements In Technology (Weapon/Ammo/Accessories)**
    - **Increased Capability/Versatility**
    - **Leverages Existing Accessory Programs**
      - **Laser Aiming Module**
      - **Family Of Suppressors**
    - **Pre-Planned Product Improvement Efforts**

Future Program Initiatives

R&D Investments

- ***Service Rifle Replacement-*** **Looking to the future of weapons technology. Rifles with flexible configurations to adapt to changing missions.**
- ***Digital Fire Control-*** **The development of the digital fire control system for company and battalion mortars that will provide better accuracy and timeliness of fire response to a fire mission. This may eliminate the need for sights and aiming stakes.**
- ***Shot Count Capability-*** **In order to better sustain weapons determining the round count on the weapon makes it easier for the maintainers planning and is more cost effective deciding fix or replace criteria.**
- ***Long Range Sniper Rifle-*** **The Marine Corps has an interest in a long range (1100-1500m), medium caliber sniper capability to replace our M40 sniper rifle fleet in the outyears.**

O&MMC Investments

- ***Enhanced .50 Cal-*** **Looking to enhance current M2 including a Quick Change Barrel System and Flash Hider.**

Discussion Topics

- *Caliber Agility-* **We are conducting a preliminary screening to evaluate possible replacement of the current service round, or inclusion as a capability enhancer.**
- *Guidable Mortar Munitions/Caseless Ammunition-* **Working with Government S&T activities and JSSAP to increase first round hit capability and reduce the Marine's load, respectively.**

Marine Expeditionary Rifle Squad
Product Group 13

Mr. Dave Hansen, Program Manager

PM Marine Expeditionary Rifle Squad Mr. Dave Hansen

Description: Marine Expeditionary Rifle Squad will meet future requirements for a fully integrated combat system to improve the lethality, mobility, survivability, sustainability, training and education, and C2 capabilities for Marine infantry.

- Integration Program (System of Systems)
- All arms and equipment -- initially for Marine rifle squads, then all infantry units. Treat Marine rifle squad as a system of systems.
- MCSC Distributed Operations Coordinator
- Need help from industry in lightening combat load through multipurpose, fully integrated systems.

PM Marine Expeditionary Rifle Squad Mr. Dave Hansen

Appropriations ($000)	FY 06 (Includes Bridge Supplemental)	Estimated FY 06 Full Supplemental	FY 07
RDT&E	$14,279	0	$2,583
O&MMC	0	0	0
PMC	$3,624	0	$5,251

Near-Term Program Initiatives

- *Distributed Operations Implementation Capability Sets*
- *Enhanced Outer Tactical Vest*
- *Squad Operating Concept*
- *Marine Enhancement Program*
- *Integrated Process Team for Distributed Operations Materiel Fielding*
- *Assisting MCCDC on Analysis of Materiel Alternatives & ICD for MERS*
- *Assisting the Warfighting Lab on the Infantry Battalion Enhancement Period Program*

Future Program Initiatives

- ***R&D Investment***
  - Integrated Lethality suite
  - Integrated Communications-Navigation suite
- ***PMC Investment***
  - PMC is resident within other programs of record and not MERS
- ***O&MMC Investment***
  - Possibly the Distributed Operations Implementation Capability Sets

Discussion Topics

- ***Lethality***
- ***Mobility***
- ***Survivability***
- ***Sustainability***
- ***Command and Control***
- ***Training and Education***

Infantry Weapons Systems

Product Group 13

Optics and Non-Lethal Systems

Ms. Jean Beal, Program Manager

PM Optics and Non-Lethal Systems Ms. Jean Beal

Description:

• Responsible for development, procurement, fielding and life cycle management of non-lethal ordnance and equipment and ground-based optics, electro-optics and lasers for the individual Marine and small arms weapons.

•Portfolio includes the following:

-AN/PVS-14 Monocular Night Vision Device

-AN/PVS-17 B/C Miniature Night Sight

-AN/PEQ-2A Infrared Illuminator

-AN/PSQ-18 Grenade Launcher Day/Night Sight

-AN/PVQ-31A/B Rifle Combat Optic

-Scout Sniper Day Scope

-AN/PAS-13B/D Thermal Weapon Sight

-Tactical Range Thermal Imager

-Long Range Thermal Imager

PM Optics and Non-Lethal Systems Ms. Jean Beal

Appropriations ($000)	FY 06 (Includes Bridge Supplemental)	Estimated FY 06 Full Supplemental	FY 07
RDT&E	$3,385	0	$3,296
O&MMC	$2,615	0	$2,849
PMC	$75,721	$271,540	$15,241

Near-Term Program Initiatives

- ***Scout Sniper Observation Telescope***
  - 3Q/06 – Procure replacement for the M49 Spotting Scope
- ***Scout Sniper Medium Range Night Sight***
  - 4Q/06 – Procure night vision device for use on all Marine Corps precision weapons
- ***Scout Sniper Observer Night Observation Device***
  - 4Q/06 – Procure night vision device for the Scout Sniper Observation Telescope
- ***Weapons Tactical Light***
  - 4Q/06 – Procure a weapons tactical light for the Marine Corps Service Rifle

Future Program Initiatives

- ***R&D Investment***
  - FY08-11 – Drive development of next generation of optics (day/night, digitally fused systems that integrate multiple capabilities into a small, light, low-powered package)
- ***PMC Investment***
  - FY08-11 - Procure next generation of optics and field to the operating forces starting with infantry units
- ***O&MMC Investment***
  - FY08-11 – Provide support for the development, procurement, fielding and life cycle management of the next generation of optics

Open Discussion Topics

- ***Technologies of Interest:***
  - Digital Sensor Fusion, Short-wave Infrared (SWIR), electronic image intensifiers, miniature low power laser range finder, active range-gated imaging, real-time image processing, wireless image sharing, miniature eyepiece displays, thermal sensors, human factors, power supplies, lightweight materials.
- ***Future Requirements:***

  -Marine Handheld / Head Mounted Optic (MHHMO)

  -Individual Marine Infantry Weapon Sight (IMIWS)

  -Marine Crew Served Weapon Sight (MCSWS)

  -Scout Sniper Capability Set (SSCS)

Infantry Weapons Systems

Product Group 13

Reconnaissance and Amphibious Raids

Mr. Bill Barnebee, Program Manager

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, and parachuting.
- 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.
- We are looking for technology that can assist in providing enhanced capabilities.

PM Reconnaissance and Amphibious Raids: Mr. Barnebee

Appropriations ($000)	FY 06 (includes Bridge Supplemental)	Estimated FY 06 Full Supplemental	FY 07
RDT&E	$6,756	0	$680
O&MMC	$1,195	0	$2,729
PMC	$15,503	$12,100	$11,272

Near-Term Program Initiatives

- *Multi-Mission Parachute System (MMPS)*
- *Parachutist High Altitude Oxygen System (PHAOS)*
- *Assault Breacher Kit*
- *Combatant Divers Display Mask (CDDM)*
- *Underwater Locator Beacon (ULB)*
- *Expeditionary Hyperbaric Chamber System (EHCS)*
- *Forward Deployable Dive Locker (FDDL)*
- *Safety Boats*
- *Multi-Fuel Engine (MFE)*

Future Program Initiatives

- ***R&D Investment***
  - MAGTF Small Craft
  - Enhanced Underwater Breathing Apparatus (EUBA)

PMC Investment

- 2Q/08 - Tactical Hydrographic Survey Equipment (THSE)
- 2Q/08 - Joint Precision Aerial Delivery System (JPADS
- 2Q/08 - High Altitude High Opening Navigation (HAHO Nav)
- 3Q/08 – Multi-Fuel Engine (MFE)

- ***O&MMC Investment***
  - Life-cycle sustainment for combatant diving and parachute equipment

Open Discussion Topics

- Low cost production of accurate underwater navigation and parachute navigation equipment
- 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
- Small craft with increased survivability

Panel Questions and Answer Period

Counter IED (CIED) Technology Directorate

Mr. Joseph B. Murgo, Director

Combat Equipment & Support Systems
Product Group 16

Overview

Colonel Shawn Reinwald, Product Group Director

Product Group 16
Combat Equipment & Support Systems

Acquire and manage the life cycle of the combat equipment and support systems that optimize the individual Marine's ability to survive and sustain himself on the battlefield and look good doing it.

- Automatic Test Equipment
- General Purpose Tools & Test Sets
- Visual Information Systems
- Vehicle Diagnostic & Reporting Sys
- Combat, Service, & Dress Clothing
- Field Food Service Equipment
- Infantry Combat Equipment
- Tents and Shelters
- CBRN Incident Response
- CBRN Individual Protective Equip
- General Purpose Support Equip
- Medical Equipment

Abbreviated acquisition cycle of most systems demands immediate solutions; many times from readily available commercial sources.

Product Group 16 Principals:

Program Managers

PM TMDE: *LtCol (s) Charles Parton (703) 432-3235*

PM ICE: *Mr. Dan Fitzgerald (703) 432-3334*

PM CBRNE: *Mr. Jim Nelson (703) 432-3194*

Strategic Business Team (SBT)

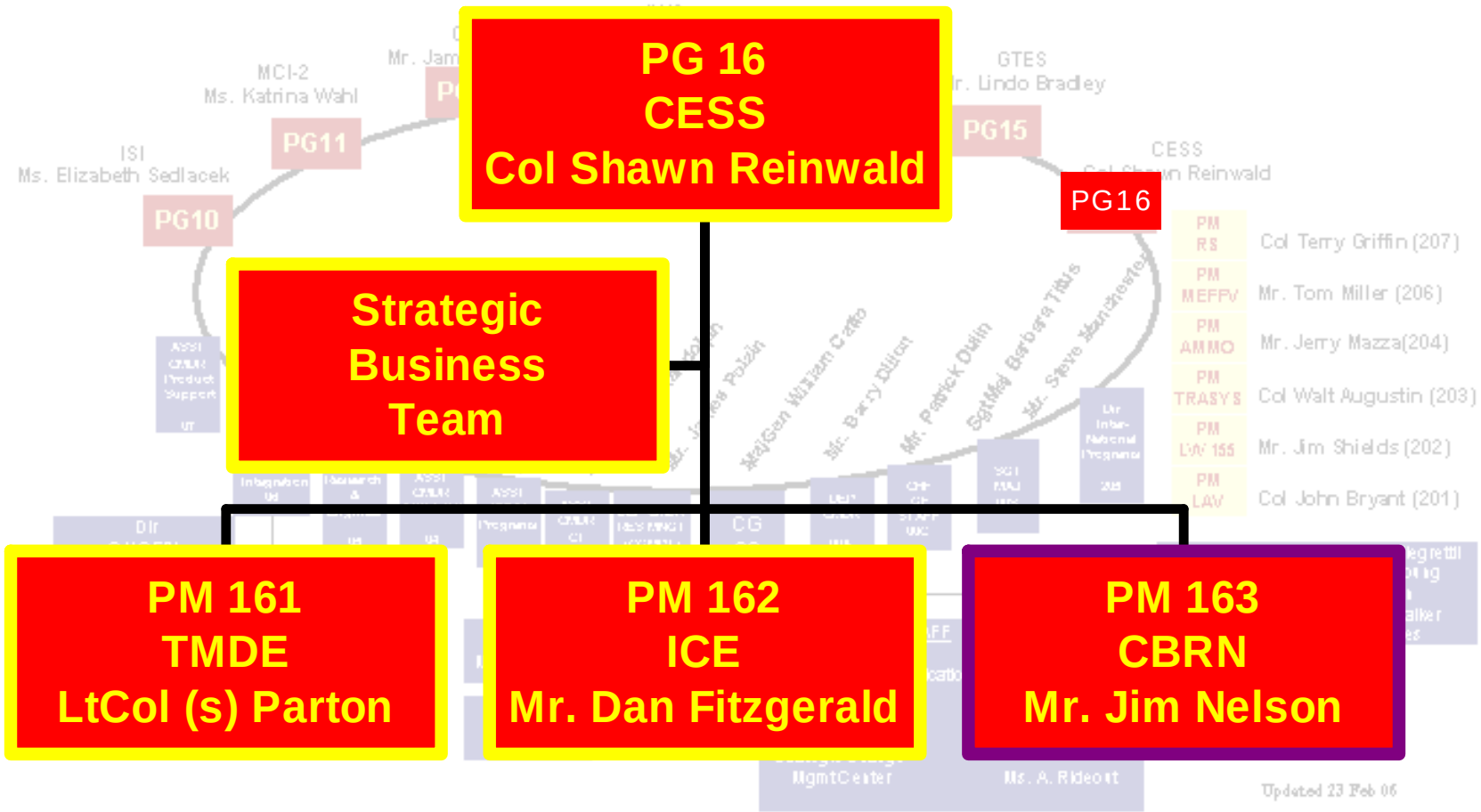
- Lead Financial Mgr: *Ms. Sherry Davis*
- Lead Engineer: *Ms. Susan Torfin*
- Lead Logistician: *Mr. Charles Hall*
- Operations Mgr: *Ms Jean Klinger*

Product Group Total Funding: $200M Annual Program Funding

Supplemental GWOT Funding: As Required

Appropriations	FY 06	FY 06 Supplemental	FY 07
RDT&E	$20.7M	$0	$20.3M
O&MMC	$108M	$644M	$101.4M
PMC	$50M	$285.5M	$150M

Product Group 16
Combat Equipment & Support Systems



Product Group 16
Combat Equipment & Support Systems

- Excellence & Performance over Meeting Specifications
- Spiral Development to remain current
- Encourage competition, reward commitment to excellence
- Transition from “items” to “integrated systems”
- Eliminate the legacy or redundant systems

Closing Remarks

- Program Manager for Infantry Combat Equipment
- Program Manager for Chemical, Biological, Radiological, and Nuclear Systems
- Program Manger for Test, Measurement, and Diagnostic Equipment

Introduce the next Program Manager:

Mr. James Nelson Chemical, Biological, Radiological, and Nuclear (CBRN) Systems

Combat Equipment & Support Systems

Product Group 16

Chemical, Biological, Radiological, and Nuclear (CBRN) Systems

Mr. Jim Nelson - Program Manager

PM Chemical, Biological, Radiological, and Nuclear (CBRN) Systems
Mr. Jim Nelson

Description: The PM CBRN Systems portfolio contains programs supporting Family of Field Medical Equipment (FFME), Family of Tactical Soft Shelters (FTSS), Family of Incident Response Systems (FIRS), and the Strategic Logistics Asset Management (SLAM) Initiative, and participation in all Joint CBRN Defense programs associated with the Joint Program Executive Office for Chemical Biological Defense.

- Family of Field Medical Equipment (FFME) - Responsible for the life cycle management of all medical systems. FFME develops and fields every medical system ensuring that the system is safe, battle tested, deployable and that proper personnel are trained in order to address the urgent medical needs of the warfighter in the field.
  - The Medical Team depends on industry to point us towards the most advanced medical enhancements that are safe and ideal for field use so we can continue to save the lives of our Marines and Sailors in harm's way.

PM Chemical, Biological, Radiological, and Nuclear (CBRN) Systems
Mr. Jim Nelson

• Family of Tactical Soft Shelters (FTSS) – Provides materiel solutions (including rigid wall shelters, soft wall shelters, collective protection, camouflage and respective supporting equipment) to protect the operating forces from observation, environments and combat hazards.

– The FTSS Team will leverage industry through GSA and DLA to evaluate commercially available tent systems with advanced technologies that can provide a more expeditionary, quick erect and rapid deploying shelter systems.

PM Chemical, Biological, Radiological, and Nuclear (CBRN) Systems
Mr. Jim Nelson

• Family of Incident Response Systems (FIRS) – Extensive market research is conducted to identify potential manufacturers who have a proven product that will satisfy the FIRS equipment requirements for full and open competition.

– Relies primarily on COTS/NDI equipment and systems that meet the particular mission requirements of Consequence Management.

– Mission Area requirements include: CBRNE Reconnaissance, Decontamination, Force Protection, Search and Rescue, General Support, C4I2, and Medical.

PM Chemical, Biological, Radiological, and Nuclear (CBRN) Systems
Mr. Jim Nelson

- Strategic Logistics Asset Management (SLAM) Initiative - Established to "Set the Force" for future Chem-Bio threats by upgrading CBRN equipment management and to improve equipment readiness for the Marine Corps Operating Forces.
  - This initiative includes central asset visibility, automated shelf life management, equipment storage and warehousing using Automated Identification Technology (AIT).

PM Chemical, Biological, Radiological, and Nuclear (CBRN) Systems
Mr. Jim Nelson

Appropriations	FY 06	FY 06 Proposed Supplemental Funding	FY 07
RDT&E	$10,345	0	$6,718
O&MMC	$54,609	$200,270	$57,698
PMC	$7,491	$8,500	$5,134

PM Chemical, Biological, Radiological, and Nuclear (CBRN) Systems
Mr. Jim Nelson

Near-Term Program Initiatives

- **FFME**
  - –Forward Resuscitative Surgery System (FRSS)
  - –En Route Care System (ERCS)
- **FTSS - Marine Corps Expeditionary Soft Shelter System (MCESSS)**
  - –R&D FY06
  - –Proc FY06-13
- **FIRS**
  - –Technologies that detect, identify, and quantify hazards at both acute and lethal exposure limits are mission essential. The enhanced capabilities embedded in this task encompasses the ability to detect (point and stand-off), identify, catalog, assess, and monitor.
  - –Technologies required to neutralize or remove hazardous materials including CWAs, TICs, TIMs, BWAs, and radiological contamination with minimal impact on the environment.
- **SLAM**
  - –Transition day-to-day management to MarCorLogCom.
  - –Continue to improve equipment readiness and asset visibility.

PM Chemical, Biological, Radiological, and Nuclear (CBRN) Systems
Mr. Jim Nelson

Future Program Initiatives

- FFME
  - Selection of COTS solutions
  - Modernize existing 4 Authorized Medical Allowance Lists (AMAL) sets
- FTSS
  - Replace current Modular General Purpose Tent System (MGPTS)
  - Replace Modular Command Post System (MCPS)
  - Add Large Command Post Shelter
- FIRS
  - Improve filter capability for CWA and TIC/TIM
  - Improve drinking tube capability for all face blanks
  - Capability for detecting victims through rubble/walls
- SLAM
  - Facilitate centralized management of other individual type equipment, shelters, and specialized training equipment.

PM Chemical, Biological, Radiological, and Nuclear (CBRN) Systems
Mr. Jim Nelson

Near and Future Joint Program Initiatives

- PM, CBRN Systems

Continued Marine Corps Interface with the JPEO and other JPMs

Masks	Decon
Suits	CP
Boot	CB Medical
Glove	Bio Defense
	CB Battle Mgmt

PM Chemical, Biological, Radiological, and Nuclear (CBRN) Systems
Mr. Jim Nelson

Open Discussion Topics

- *Life cycle management solutions*
- *Advanced medical enhancements*
- *Materiel solutions (shelters)*
- *Detection capabilities*
- *Asset visibility*

Introduce the next Program Manager

Mr. Fitzgerald, Program Manager

Combat Equipment and Support Systems

Product Group 16

Infantry Combat Equipment

Mr. Fitzgerald, Program Manager

PM Infantry Combat Equipment Mr. Fitzgerald

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

Portfolio Description: Uniform clothing items; individual body armor; load carriage systems; mountain and cold weather equipment; and field food service systems.

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

PM Infantry Combat Equipment Mr. Fitzgerald

Appropriations	FY 06	FY 06 Supplemental
RDT&E	$5,798,128	0
O&MMC/O&MMCR	$61,778,534	$136,947,763*
PMC	$8,953,000	0

*Additional supplemental funding is anticipated during the May/June timeframe.

Near-Term Program Initiatives

- **Flame retardant materials and treatments –Defeat flash burn injuries from IEDs. Undergarments, uniform items, and individual armor systems.**
- **Individual Armor Integration**
  - **Headborne Systems**
  - **Body armor and load carriage integration/improvements**
    - **Improved vest closure design**
    - **Quick release/cut-away capability**
    - **Increased area of coverage**
    - **Improved side-SAPI integration**
    - **Plate adjustment capability**
    - **Wiring integration for routing radio cables**

Future Program Initiatives

- **Ballistic Protection – Spiral development effort to leverage:**
  - **Lighter, stronger, more flexible body armor**
  - **Redesigned shell that allows for assault load carriage on the vest**
  - **Better load distribution over the torso**
- **Mountain and Cold Weather Equipment – Improvements sought to leverage the generational leap in technologies for mountain and cold weather equipment.**

PM Infantry Combat Equipment Mr. Fitzgerald

Open Discussion Topics:

Rapid Fielding

Spiral Development

Teaming

Introduce the next Program Manager

Major Charles Parton

Combat Equipment & Support Systems

Product Group 16

Test, Measurement & Diagnostic Equipment (TMDE)

Visual Information Systems (VIS)

Major Charles Parton - Program Manager

PM TMDE-VIS Major Charles Parton

Description: The PM TMDE-VIS portfolio contains Visual Information Systems, Calibrations Facilities, and Autonomic Logistics.

- ***Visual Information Systems*** – is interested in potential convergence of acquisition and transmission technologies to more easily and economically acquire, edit and transmit information and imagery -- locally, regionally and globally. FY06 and beyond (driven by technology obsolescence).

- ***Calibrations Facilities*** – through non-developmental efforts, integrate and configure COTS calibration standards and multifunction workstations to support 26 measurement area parameters. FY06 – FY12.

- ***Autonomic Logistics (AL)*** - including the Electronic Maintenance Support System (EMSS), is looking to industry to implement an AL capability on selected systems/platforms and to procure a portable, ruggedized multi-functional electronic test and diagnostic device. FY06 - FY15.

PM TMDE-VIS Major Charles Parton

Visual Information Systems

Appropriations	FY 06	FY 06 Supplemental	FY 07
RDT&E			
O&MMC			
PMC	$1.5M	$2.3M	$3.5M

Calibration Facility

Appropriations	FY 06	FY 06 Supplemental	FY 07
RDT&E			
O&MMC		$2.0M	$200K
PMC		$9.6M	$1.9M

Autonomic Logistics/EMSS

Appropriations	FY 06	FY 06 Supplemental	FY 07
RDT&E	$2.7M		$9M
O&MMC		$9.4M	
PMC		$124M	$6M

Near-Term Program Initiatives

- ***Visual Information Systems***
  - ***FY07 - Adoption of Digital Video Information Distribution System (DVIDS) as baseline for Public Affairs information distribution capability (Mobile Information Bureau [MIB])***
- ***Calibrations***
  - ***FY06 Integration of one downsized and improved Calibration Facility***
  - ***FY08 Upgrade existing workstations in the remaining 10 calibration facilities***
- ***Autonomic Logistics/EMSS***
  - ***Enable LAV/MTVR/M1A1/AAV to be AL ready***
    - **3Q/06 - RFP**
  - ***Based on emerging joint requirements, develop and field a Portable Maintenance Aid (PMA) to support USMC Ground Maintenance needs***
    - **3Q/06 - RFP**
  - ***Establish EMSS as POR in POM 08***

Future Program Initiatives

- ***R&D Investment***
  - 2Q/08 - AL Data integration into GCCS/GCSS
  - 2Q/08 - Develop technologies to expand EMSS capabilities
- ***PMC Investment***
  - 4Q/08 - Procure remaining AL production units
  - 4Q/09 - Begin EMSS refresh development
  - 2Q/10 - Procure 10 calibration facilities
- ***O&MMC Investment***
  - 4Q/08 - Support all fielded systems

Open Discussion Topics

- *Improved imagery storage and transmission technologies and techniques*
- *Compression/Decompression of imagery files*

- *Emergent COTS technologies in multifunction calibration standards and test equipment*
- *Innovation in deployable shelter designs*

- *Industry trends in Autonomic Logistics and Portable Maintenance Devices*
- *Technology migration strategies*

Questions ?

Communications, Intelligence and Networking Systems Product Group 12

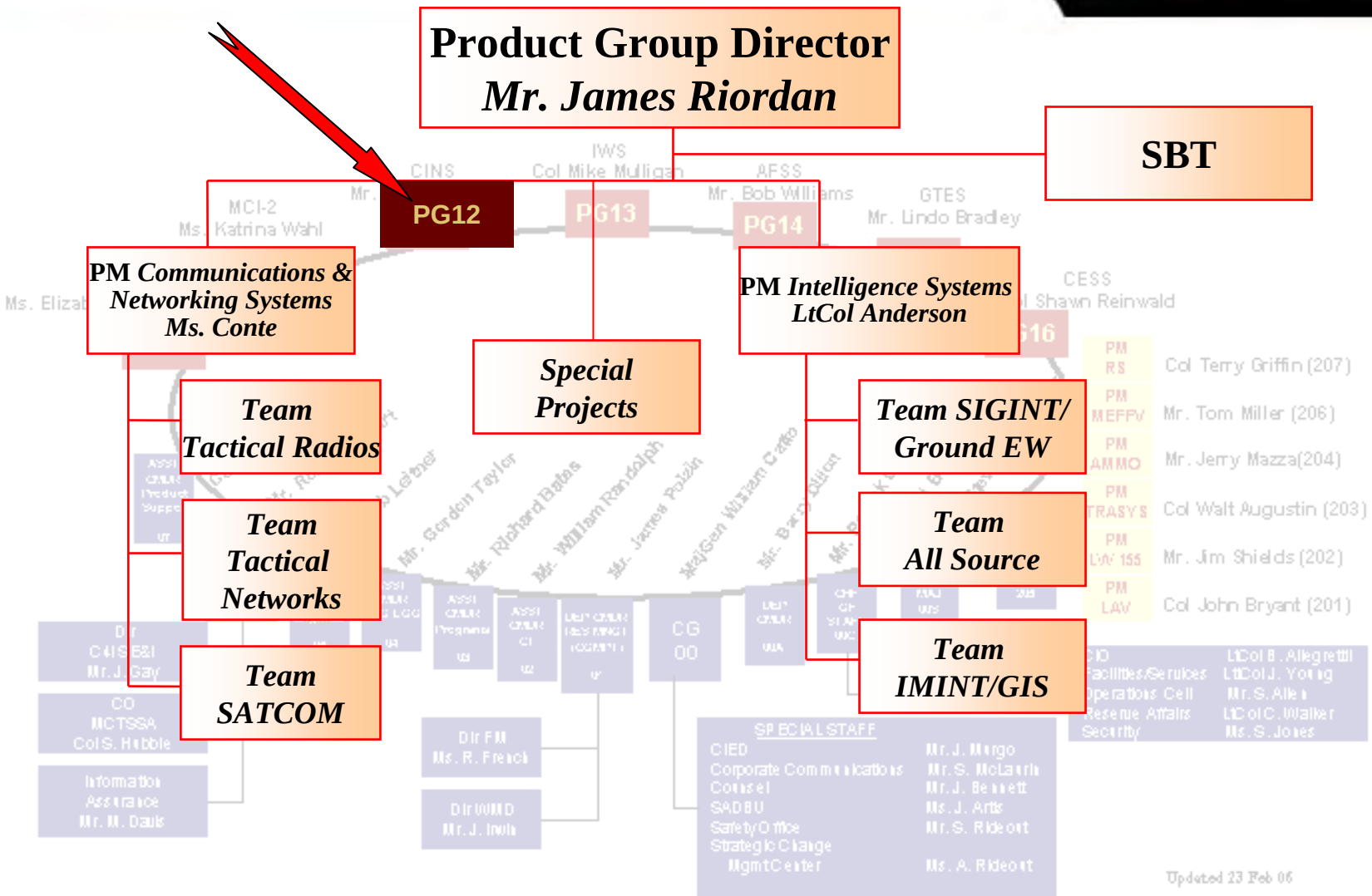
Overview

Mr. James Riordan, Product Group Director

Why are we soliciting help from industry:

To deliver world-class communications, intelligence and networking capabilities to the Operating Forces in order to accomplish their warfighting mission

Advanced Planning Briefing to Industry 2006



Product Group Principals:

PM *CNS:* *Ms. Theresa Conte, 703-432-4338*

PM *INTEL:* *LtCol Joel Anderson, 703-432-4267*

Strategic Business Team (SBT)

- Business Manager: *Mr. Gregory Pardo, 703-432-4216*
- Contracts Manager: *Mr. Stephen Riffe*
- Lead Financial Manager: *Mr. James McGregor*
- Technical Director: *Mrs. Cecilia Hall*
- Lead Logistician: *Mr. George Seargeant*
- Lead Technologist: *Dr. Paul Muessig*

Funding Summary:

Appropriations (PresBud 07 Controls)	**FY 06 (including supplemental)**	**FY 07**
RDT&E	$46M	$45.5M
O&MMC	$45M	$50M
PMC	$860M	$148M

Summary

- Our business requires partnerships
- We need your solutions, ideas, and expertise to accomplish our mission.
- Teaming, supplementals and opportunities

- Now --- the Program Managers
  - Ms. Theresa Conte, PM Communications and Networking Systems
  - LtCol Joel Anderson, PM Intelligence Systems

Communications, Intelligence and Networking Systems

Product Group 12

Communications and Networking Systems

Ms. Theresa Conte, Program Manager

PM Communications and Networking Systems Ms. Conte

Lead the Marine Corps' effort in development, acquisition and sustainment of:

- Tactical networking and switching equipment
- Tactical radio and wireless broadband
- Satellite ground communication systems
- Cryptographic equipment

Marine Corps' principal center of excellence for telecommunications technology

Focus on the delivery of "capability sets" that integrate multiple domains of technology into systems that provide substantial war fighting capability

Funding Summary:

Appropriations (PresBud 07 Controls)	FY 06 (including supplemental)	FY 07
RDT&E	$17M	$19M
O&MMC	$23M	$28M
PMC	$372M	$103M

Near-Term Program Initiatives

- ***Tactical Data Network (TDN)-Replacement (IDIQ)***
  - 3Q/06 - RFP Scheduled for Release
- ***Tactical Hand Held Radio (THHR)***
  - 3Q/06 - RFP Scheduled for Release
- ***C2 On-the-Move Network, Digital Over the Horizon Relay (CONDOR) Gateway***
  - 3Q/06 - Draft RFP Scheduled for Release
  - 4Q/06 - Expected RFP Release

Future Program Initiatives

- ***R&D Investment***
  - FY07 - Basic Remote Access Terminal (BRAT)
  - FY08 - Enhanced Core Communication System (ECCS)
  - FY08 - Migration to IP Modems (Ground Mobile Forces (GMF) SATCOM Terminals)
  - FY08 - High Capacity Communications Capability (HC3) Studies

- ***PMC Investment***
  - FY07 - Completion of E-LMR at Beaufort, Blount Island (Phase III)
  - FY08 - Support Wide Area Network (SWAN) Very Small Aperture Terminal (VSAT)
  - FY10 - Lightweight Multiband Satellite Terminal (LMST) Ka Full Duplex Capability
  - FY10 - Digital Technical Control (DTC)-Replacement

- ***O&MMC Investment***
  - FY07 - Tactical Data Network (TDN)/Digital Technical Control (DTC) Support/Sustainment

Areas of Interest

- *Low Visibility/Small Footprint Antenna*
- *On the Move, Over the Horizon Communications*
- *Secure Wireless*
- *Convergence of Voice and Data Communications*
- *Cellular Telephony*
- *Multi Mode Radios to Enable Smaller Comm Footprint*
  - *Meet Multiple Purposes*
  - *Support Multiple Waveforms*

Introducing LtCol Joel Anderson, Program Manager, Intelligence Systems

Communications, Intelligence and Networking Systems Product Group 12

Intelligence Systems

LtCol Joel Anderson, Program Manager

PM Intelligence Systems LtCol Anderson

Deliver integrated and interoperable intelligence capabilities to the Marine Operating Forces in order to accomplish their warfighting mission.

16 Programs of Record:

7 SIGINT (TCAC, MEWSS, CESAS, TERPES, TPCS, TS and RREP)
4 IMINT/GIS (MSIDS, JSTARS CGS, TEG and TPC)
5 All Source (TRSS, IBR, IAS, CIHEP and TSCM)

12 Others:

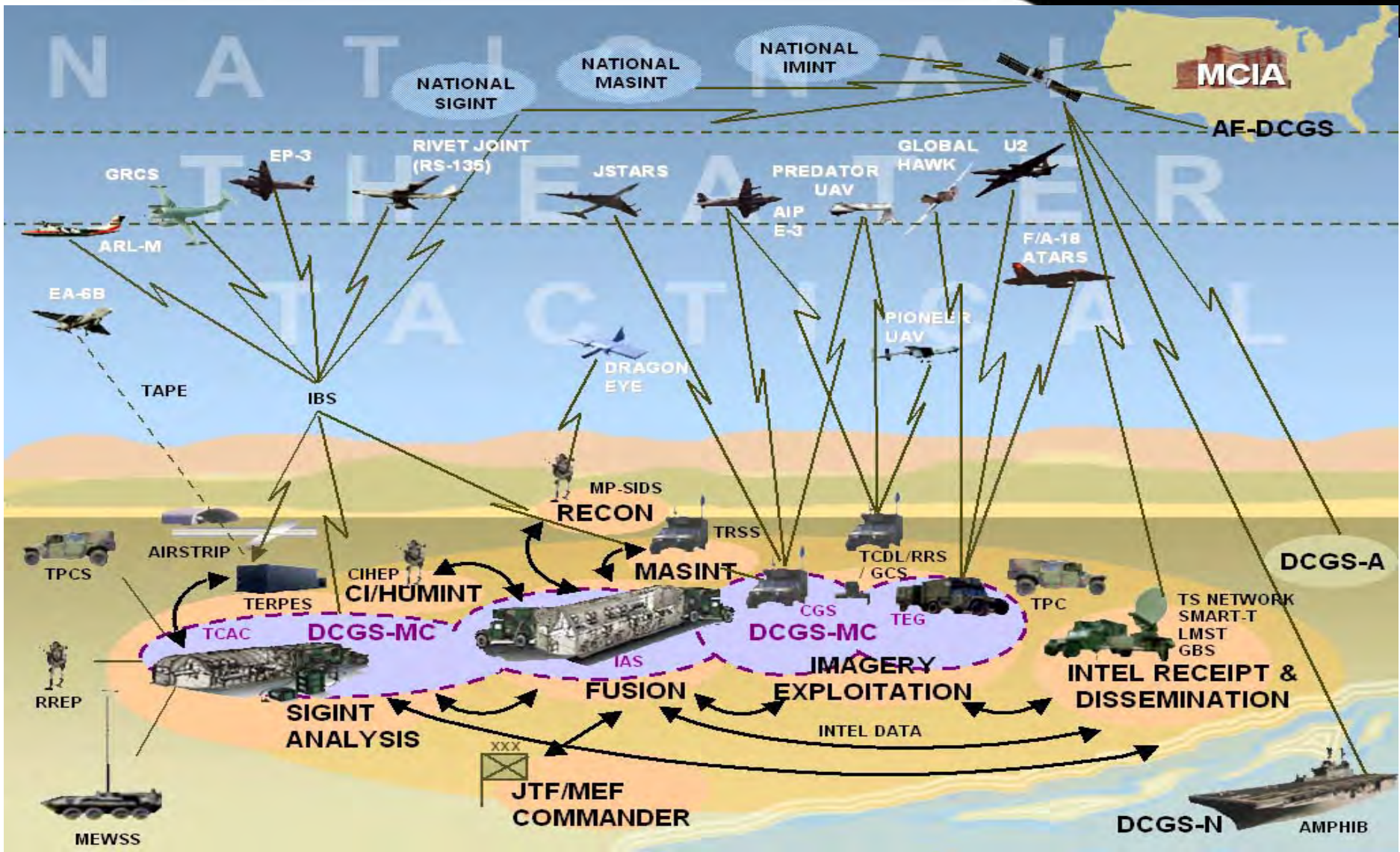
4 Funding Lines (Rad Bn Mods, JWICS, GCCS I3 and ISR)
3 UUNS (TCVS, DTAMS, and BATS)
CREW/RCIED
DCGS
RAS
M22 Brite / LCSR
TP-CDL

Develop modular MEF ISR structure that provides a smaller footprint than seen today and provides cost savings

Funding Summary:

Appropriations (PresBud 07 Controls)	**FY 06 (including supplemental)**	**FY 07**
RDT&E	$29M	$27M
O&MMC	$22M	$23M
PMC	$488M	$44M

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Near-Term Program Initiatives

"…Position PM Intel to effectively and efficiently begin integration efforts across ISR capabilities and programs of record…"

Mid-Term Program Initiatives

"…Leverage DCGS-I funding and integration efforts/activities in order to fully transition capabilities for MCISR-E and EMW…"

Long-Term Program Initiatives

"…Continue systems transformation as an integral element of MAGTF C2, Intelligence Concept of Support for EMW and DoD/Joint ISR Enterprise…"

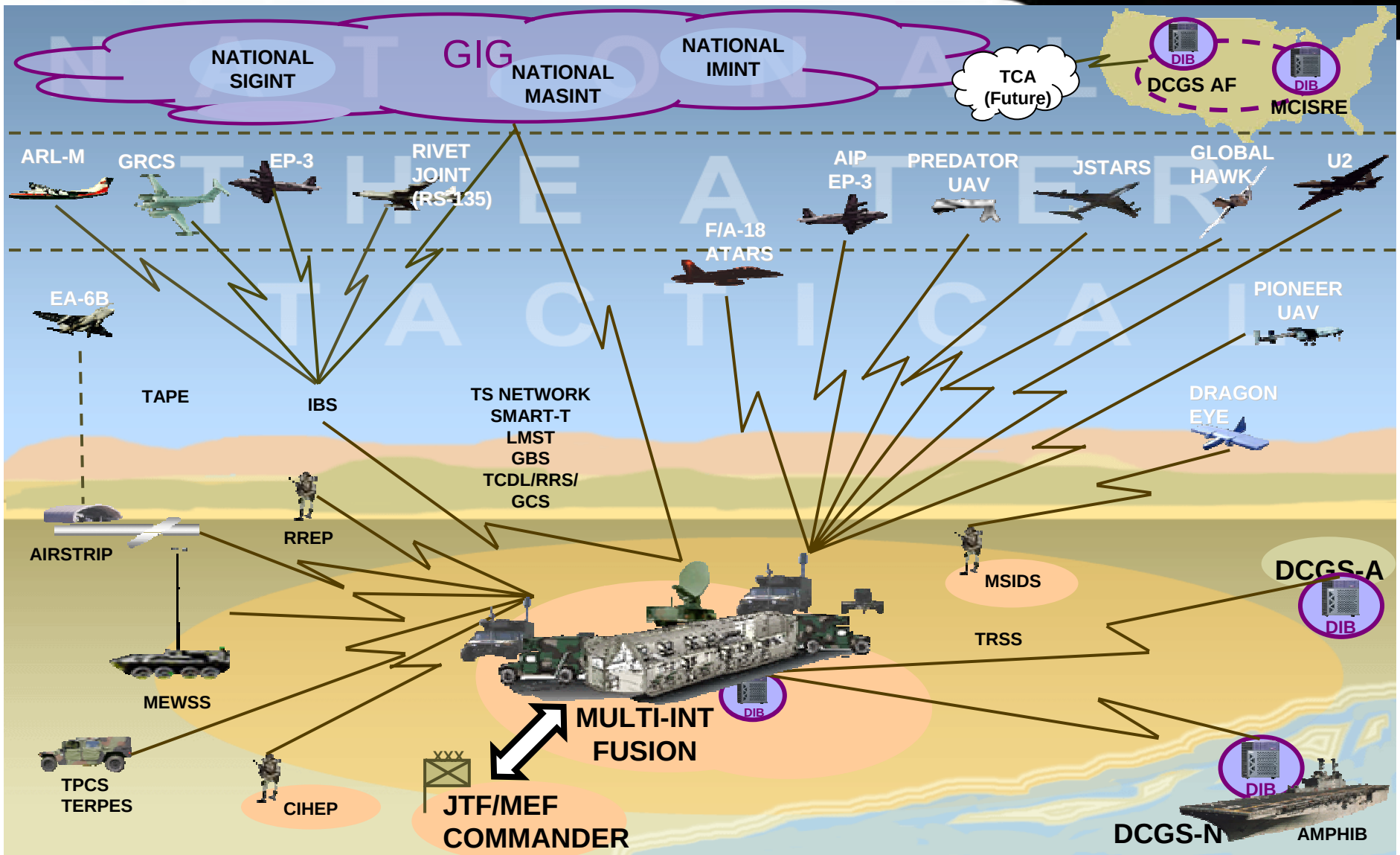
Focus Areas

Persistent ISR **DCGS** **Actionable Intel**

Program Initiatives

- ***Counter Intelligence equipment/integration***
  - FY07 – Expected RFP Release for upgrade of equipment
  - FY07 – Expected RFP Release for integration efforts
- ***Remote Counter Improvised Explosive Device***
  - FY 07 – Expected RFP Release for Vehicle Integration Kits
  - FY 07 – Expected RFP Release for FSR support
- ***Tactical Exploitation Group***
  - 3QR/FY06 – RPF Release TEG RWS Refresh
  - FY07 – Expected RFP Release for CDL antenna upgrade
- ***Team Portable Collection System***
  - FY 06/07 Expected RFP Release
- ***Thermal/Night Vision (MSIDS Program)***
  - FY08 – Expected RFP Release
- ***Topographic Production Capability***
  - FY08 – Expected RFP Release for program recompete

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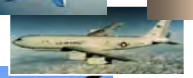
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Space


P-3 / MMA


ACS


EA-6B


JSTARS


U-2


Predator


Global Hawk / BAMS


F-14 LANTIRN / TARPS CD

F-18 ATAR / SHARP




AV8B LITENING POD

TEG

DCGS-MC




TCAC


IAS


CGS

MAGIS

FY04 FY05-08 FY09-11 FY12-15

TPCS
RREP
MEWSS
CIHEP
MP-SIDS
FAMILY OF COLLECTORS

TRSS
Collateral IAS
TPC
TERPES
FAMILY OF DISPLAY APPLICATIONS

CGS
TEG
TCAC
MEF IAS
BULK DATA/ ALL-SOURCE FUSION/ SCI

DCGS-MC

GCCS-I3

MCISR-E

DIB

PHASE I

NCES

PHASE 2

MCISR-E

Objective MCISR-E

PHASE 3

FIXED (MCIA)



GARRISON (MEF)





EXPEDITIONARY (MAGTF& MSC's)



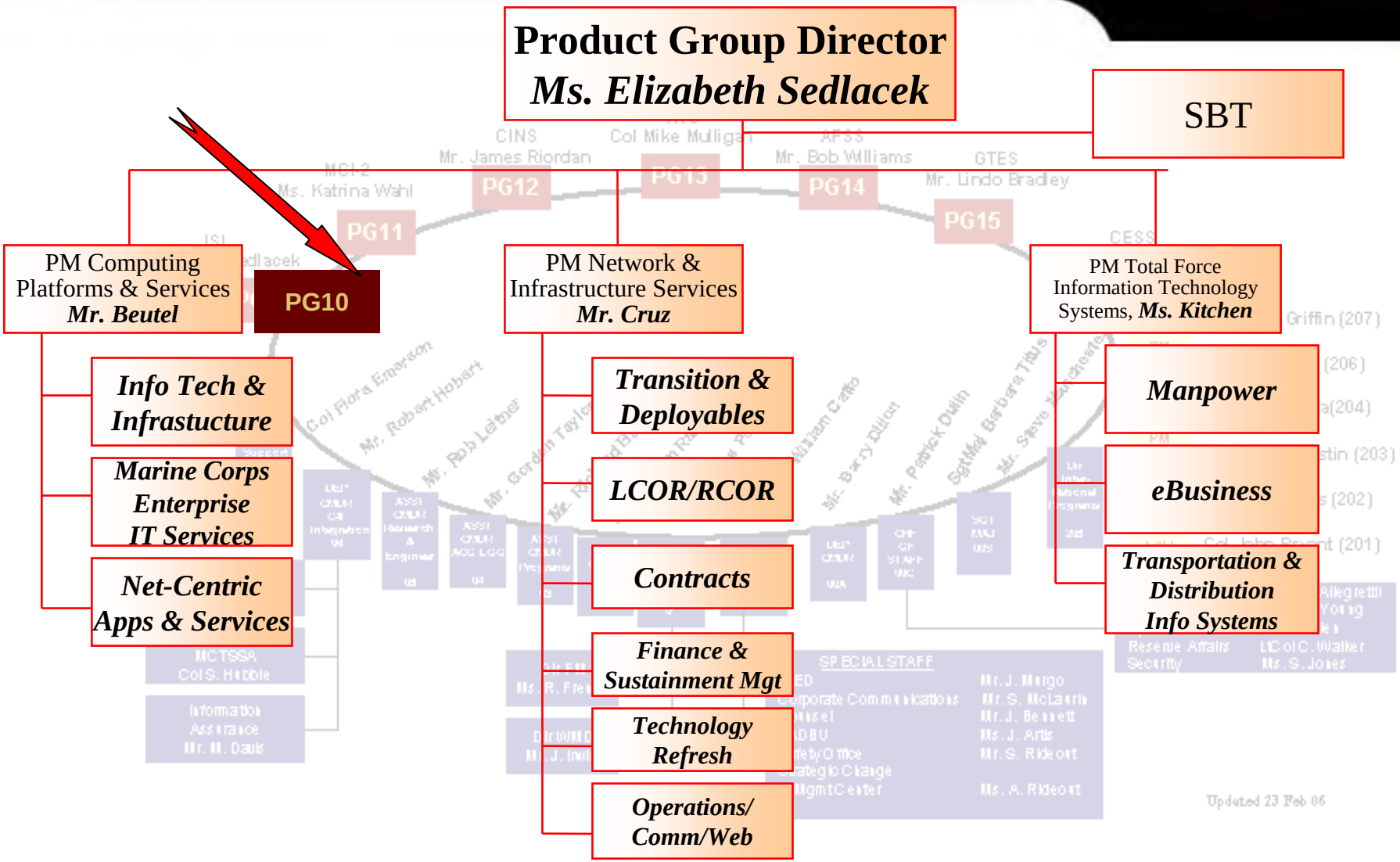
DOTMLPF

Questions?

Information Systems & Infrastructure
Product Group 10
Overview

Ms. Elizabeth Sedlacek
Product Group Director

Advanced Planning Briefing to Industry 2006



Product Group Principals:

PM Computing Platforms & Services: *Mr. Kenneth Beutel, (703) 432-5183*

PM Network & Infrastructure Services: *Mr. Alfredo Cruz, (703) 784-0824*

PM Total Force IT Systems: *Ms. Sonia Kitchen, (703) 432-5178*

Strategic Business Team (SBT):

- Lead Business Manager: *Ms. Sandra Switzer, (703) 432-5174*
- Lead Contracting Officer: *Mr. David Berry, (703) 784-0704*
- Lead Financial Manager: *Ms. Mary Cooney, (703) 432-5176*
- Lead Engineer: *Ms. Jeannette Evans-Morgis, (703) 432-5172*
- Lead Technologist: *Dr. Mitch Raton, (703) 432-5170*
- Lead Logistician: *Ms. Jo Ann Pollard, (703) 432-5171*
- Portfolio Manager: *Mr. Richard Glover, (703) 432-5169*
- Instructional Systems Specialist: *Mr. Danny Hundley, (703) 432-5108*



Information Technology in the Marine Corps

PAST, PRESENT AND FUTURE

Father of the Internet?





Past – *1970s*



- **USMC obtains IBM Mainframes from Army**
- **FAM establish computer centers in support of business operations**
- **ASC existed to support day-to-day base operations**

Past – *1970s*

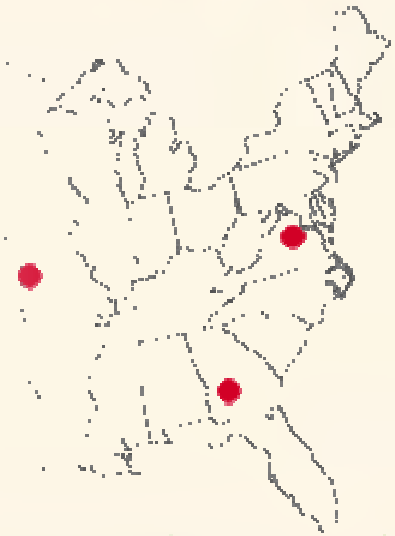


- USMC obtains IBM Mainframes from Army
- FAM establish computer centers in support of business operations
- ASC existed to support day-to-day base operations
- **ADPE-FMF fielding begins**

Past – *1980s*

Marine Corps establishes 3 Marine Corps Central Design and Program Activities (MCCDPA)

1982



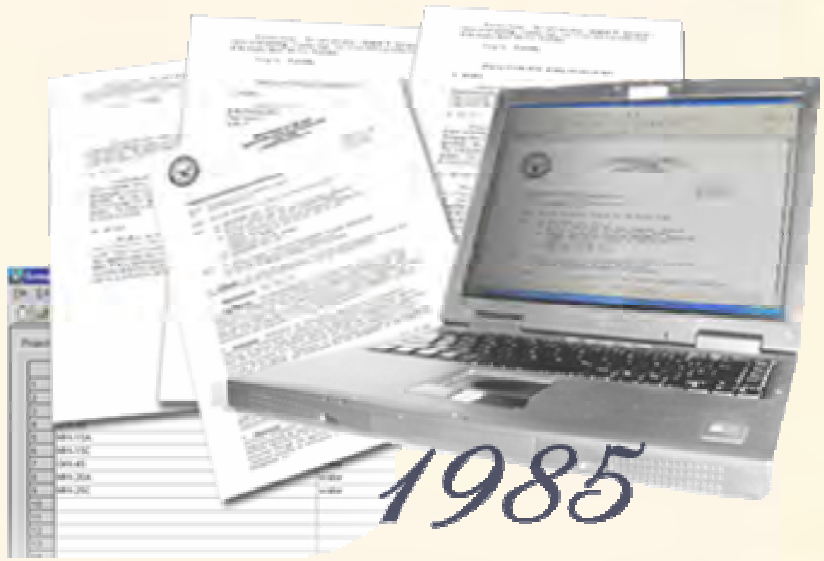
Past – *1980s*

- Marine Corps establishes 3 Marine Corps Central Design and Program Activities (MCCDPA)
- **Marine Corps establishes Regional Automated Services Centers (RASC)**
- **El Toro and Cherry Point designated as Aviation RASCs**



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- El Toro and Cherry Point designated as Aviation RASCs
- Marine Corps establishes the Information Resources Management (IRM) Standards and Guidelines Program
- **Banyan Vines established as the "standard" NOS**



Mainframe Applications Proliferate

Past – *1990s*

Marine Corps Moves Mainframe to Defense Mega Center in St. Louis

1993



Past – *1990s*

- Marine Corps Moves Mainframe to Defense Mega Center in St. Louis
- **Marine Corps establishes a NOC at Quantico, VA**
- **MCEN is coined**



1996

Past – *1990s*

- Marine Corps Moves Mainframe to Defense Mega Center in St. Louis
- Marine Corps establishes a NOC at Quantico, VA
- MCEN is coined
- **Marine Corps moves from Banyan Vines NOS to MS Windows NT and Outlook**



Client/Server Applications Proliferate

Past – *2000*

- **NMCI Awarded**
- **USMC Centralizes all Software Application Development and PM at MARCORSYSCOM**
- **Marine Corps has almost 8000 "Applications" distributed across enterprise**

2000



NMCI
NAVY MARINE CORPS INTRANET

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

Supporting Infrastructure

Direct Support to Marine Corps

Direct Support to the Marine

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

Direct Support to Marine Corps

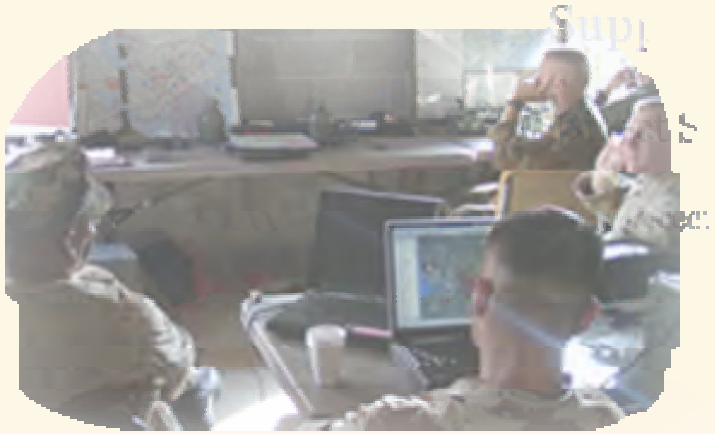
Total Force Manpower Models Reengineering
Total Force Structure Management System

Present – Direct support to the Marine

Direct Support to the Marine

- Total Force Administration System / Marine Online
- Marine Corps Total Force System
- Web Orders/Manpower Assignment Support System
- Operational Data Storage Enterprise
- Total Force Data Warehouse
- Unit Diary Marine Integrated Personnel System
- Defense Personnel Record Imaging System
- Automated Performance Evaluation System

Present - Garrison



- Cargo Movement Operations System
- Wide Area Work Flow
- Purchase Request (PR) Builder
- Child and Spouse Abuse, Rape and Sexual Assault, Discrimination and Sexual Harassment
- Defense Incident Based Reporting System

Present - Deployment



Joint Force Requirements Generator
Integrated Computerized Deployment System
Automated Manifesting System, Tactical
Automation Air Load Planning System
Automated Identification Technology
Shipboard Movement Tracking
Theater Medical Information Program
Deployed Theater Accountability System
Defense Casualty Information Processing System
Warehouse to Warfighter
Transportation Capacity Planning Tool

Present – Supporting Establishment



Paperless Acquisition
Standard Procurement System
Electronic Document Access

Present - Transition

Defense Travel System
Automated Career Retention System
Automated Claims Information System
Manpower Assignment Support System
Web Orders



Present – Reserves/Training/Retirement

- Reserve Duty OnLine
- Manpower Mobilization Assignment System
- Marine Corps Medical Entitlements Disbursement System
- TECOM Integrated Management System
- Marine Civilian Workforce Development
- Marine for Life



Information Technology in the Marine Corps
PAST, PRESENT AND FUTURE

Future - Enterprise-Focused, Modular,
Scalable, Capabilities Based Portfolio Management

Navy Marine Corps Intranet
Marine Corps Enterprise IT Services

Information Technology in the Marine Corps
PAST, PRESENT AND FUTURE

Future - Enterprise-Focused, Modular,
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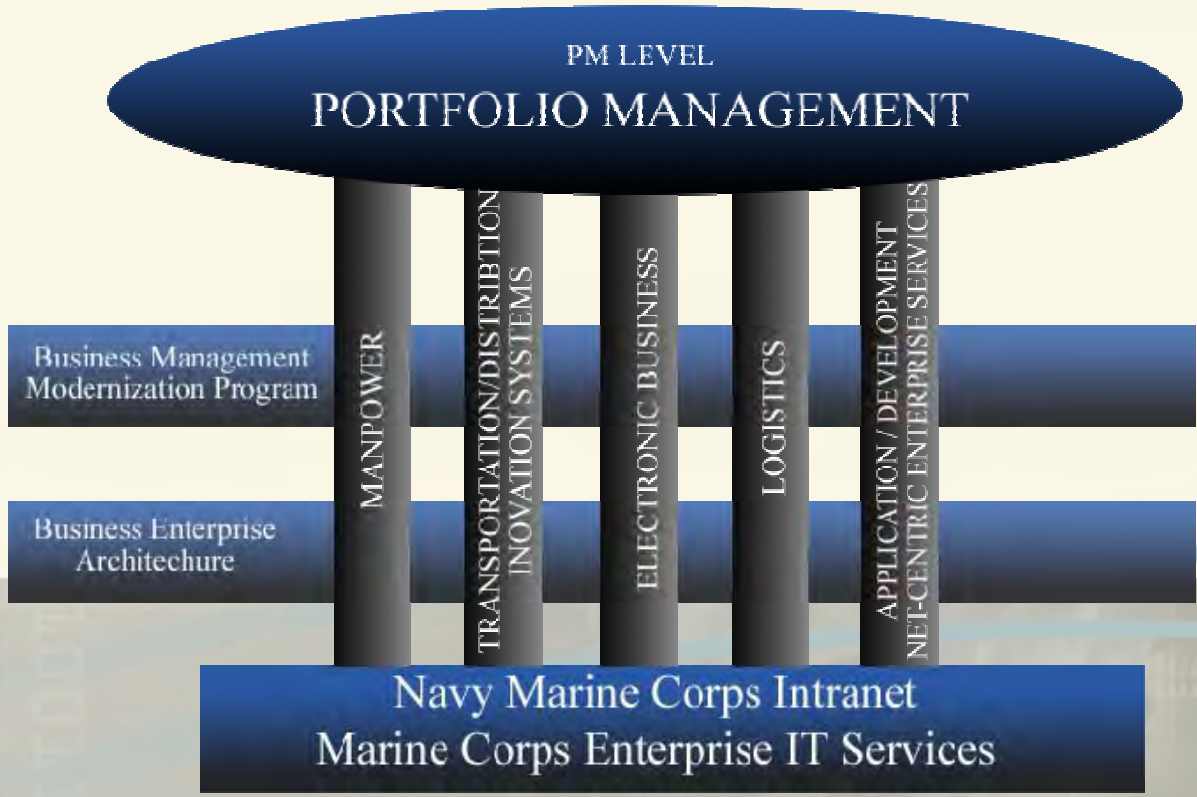
Information Technology in the Marine Corps
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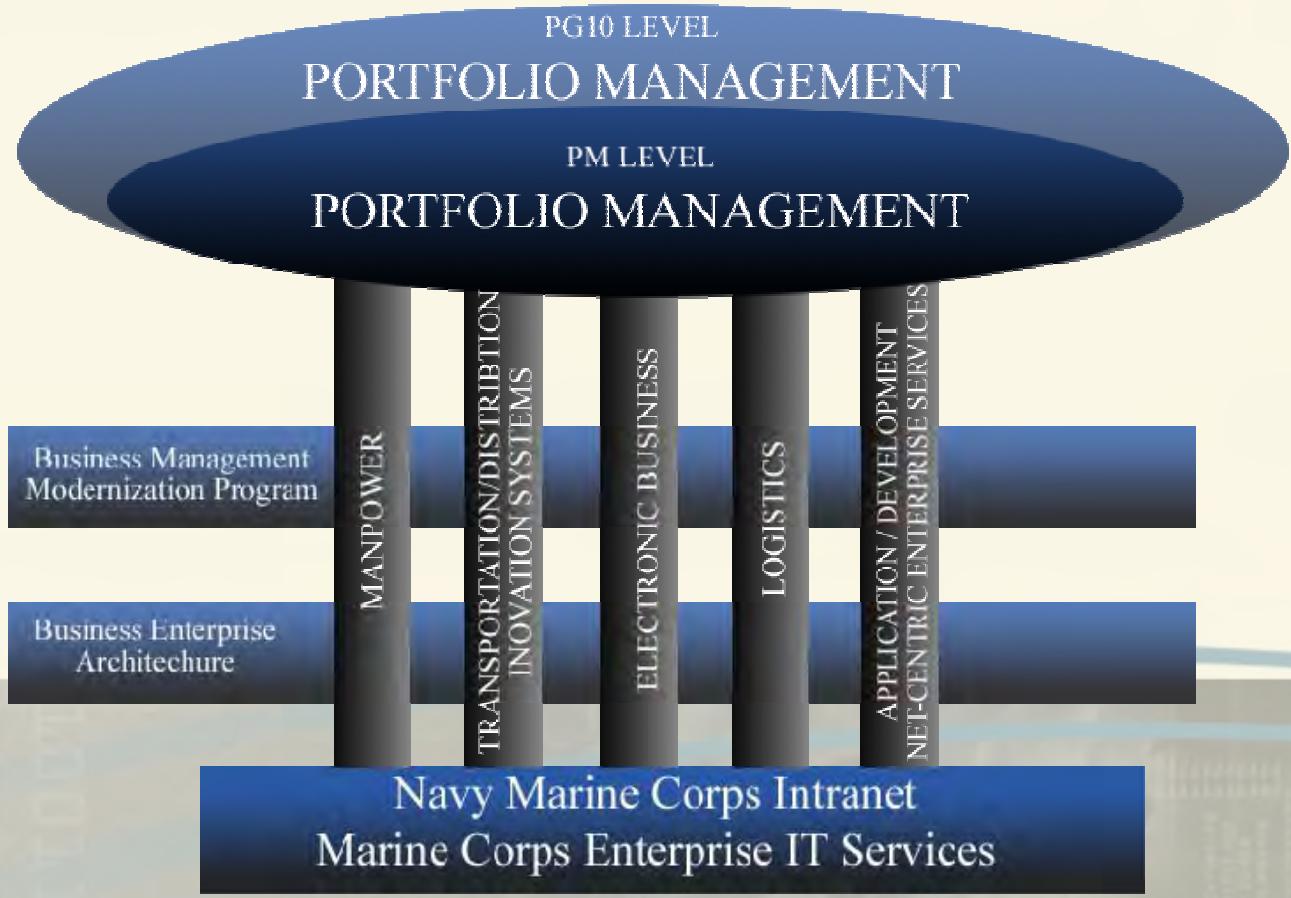
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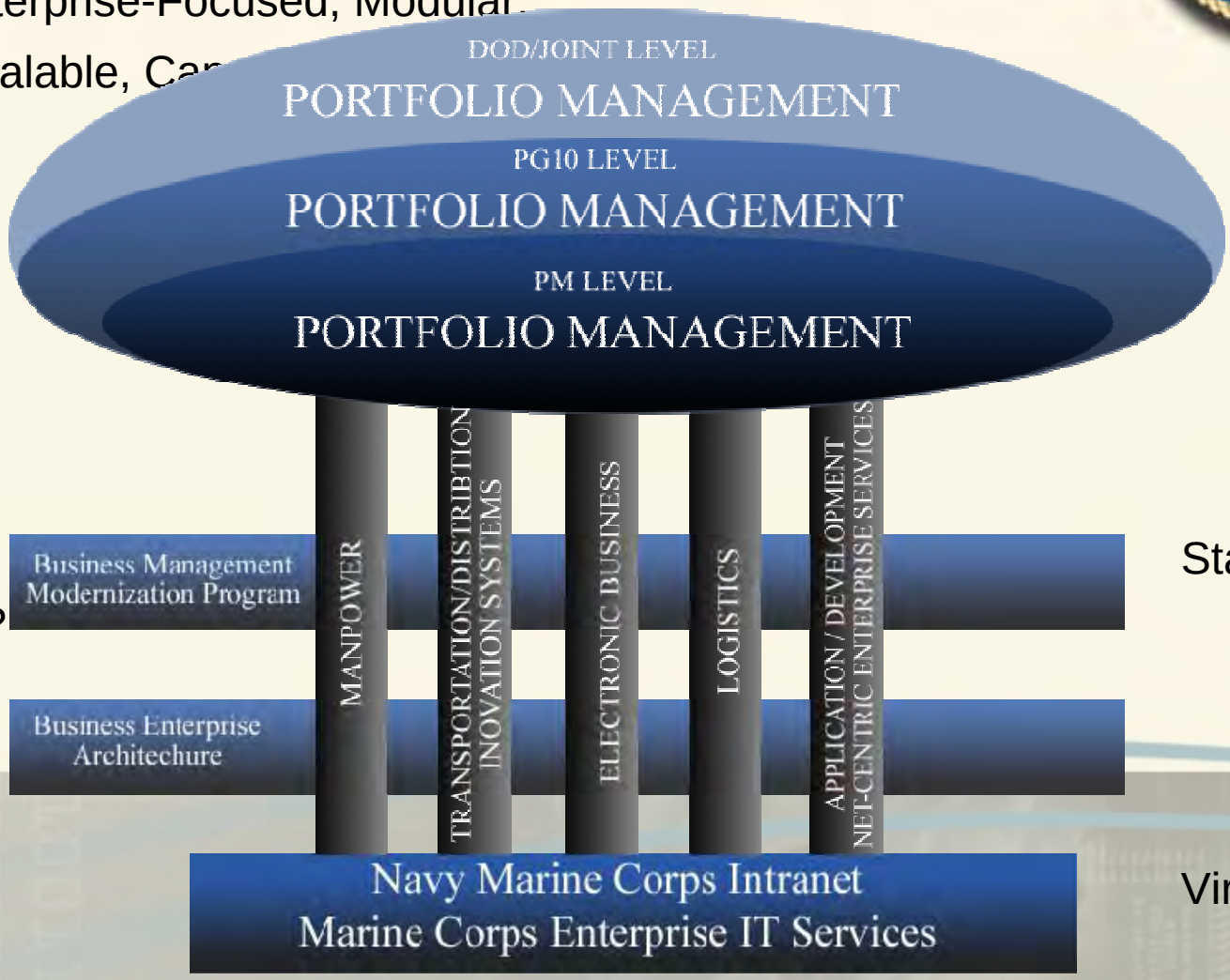
Information Technology in the Marine Corps
PAST, PRESENT AND FUTURE

Future - Enterprise-Focused, Modular,
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Information Technology in the Marine Corps
PAST, PRESENT AND FUTURE

Future - Enterprise-Focused, Modular,
Scalable, Ca



Net-Centric Data Strategy?

Bandwidth Constraints?

Grid Computing?

GIG?

Standards?

Virtualization?

Closing Remarks

- General overview of IT history
- History of consolidation and standardization
- How do we move to the next higher level of IT maturity?

Information Systems & Infrastructure
Product Group 10

Computing Platforms and Services

Mr. Ken Beutel
Program Manager

PM Computing Platforms and Services Mr. Beutel

Description: *Establish, sustain and continuously refine USMC 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:

- Mature COTS hardware and software building blocks
- Increasingly sophisticated packaging as scalable, modular, interoperable components used across multiple product groups
- Early adopter managed hosting and enterprise data mastering capabilities
- Emerging net-centric services for community of interest and NCES integration

Timeline: Now through FY10 (Block 1 MCEITS)

Industry Engagement:

- IT Hardware and Software suppliers
- Asset and Configuration Management
- Service Level Management

PM Computing Platforms and Services Mr. Beutel

Appropriations ($M)	FY 06	FY 06 Bridge Supplemental	FY 07
RDT&E	$3.0	$0	$4.5
O&MMC	$15.3	$0	$16.3
PMC	$59.7	$22.2	$81.5

Near-Term Program Initiatives

- ***Marine Corps Enterprise IT Services***
  - 3Q/06 - RFP for IT Service Delivery
  - 3Q/06 - RFP for IT Service Management
  - 3Q/06 - RFI for Community of Interest (COI) portal analysis, design and support BPA
  - 4Q/06 - RFPs for data center upgrades (storage, management tools)
- ***Base Telecommunications Infrastructure***
  - 3Q/06 - RFP for regional E911 and Emergency Response Centers

Future Program Initiatives

- ***R&D Investment***
  - 1Q/08 - Enhanced data mastering for Enterprise Shared Data Environment
  - 2Q/08 - NCES Increment 2 and MAGTF C2 harmonization strategies
- ***PMC Investment***
  - 2Q/07 - Procure Block 1 Regional Disaster Recovery/COOP infrastructure
  - 1Q/08 - Procure IOC Enterprise IT Centers
  - 1Q/09 - Tactical MCEITS platform refresh
- ***O&MMC Investment***
  - 2Q/08 - Procure operations & sustainment for MCEITS Service Management

Discussion Topics

- Extending PKI and directory services into a complete Identity Management (IdM) framework
- Service Oriented Architecture foundation and integration with NCES
- Voice over IP and regional telephony consolidation
- Shared data aggregation and corporate information modeling

Information Systems & Infrastructure
Product Group 10

Network and Infrastructure Services

Mr. Al Cruz
Program Manager

PM Marine Corps Network and Infrastructure Services: Mr. Cruz

Mission:

- Acquire quality network and infrastructure services for the Marine Corps to accomplish their warfighting mission

Acquisition Vehicle:

- NMCI Contract (basic thru 2007, 3 option years)

Portfolio:

- Garrison IT infrastructure, network services, office and exchange services, and network security

Help From Industry:

- Accelerate the migration of USMC applications and data to web-centric environment to facilitate life cycle business transformation

PM Marine Corps Network and Infrastructure Services: Mr. Cruz

Appropriations ($M)	FY 06	FY 06 Bridge Supplemental	FY 07
RDT&E	$0	$0	$0
O&MMC	$310.6	$0	$312.6
O&MMCR	$38.3	$0	$38.3
PMC	$0	$0	$0

Near-Term Program Initiatives

- **CLO (Cryptographic Logon)**
  - 3Q/06 – Complete pilot phase cutover of ~20K users by 30 Apr
- **VSSD (Very Small Site Design) Implementation**
  - 3Q/06 – Initiate cutover of TECOM seats utilizing VSSD solution
  - 1Q/07 – Initiate cutover of MCRC seats utilizing VSSD solution
- **Asset Reconciliation**
  - 4Q/06 – Complete reconciliation of all NMCI computers in support of Tech Refresh

Future Program Initiatives

- ***R&D Investment***
  - None
- ***PMC Investment***
  - None
- ***O&MMC Investment***
  - 3Q/07 – SIPRnet Rollout
  - On-Going – Continue tech refresh of all NMCI assets on a 36-month rotational cycle

Discussion Topics

- Incorporate new technologies into architecture
- Information Assurance
- Open Network Management Systems
  - Real time Access to Network Status & Performance
- Continuity of Operations
  - Disaster Recovery planning, testing and implementation

Information Systems & Infrastructure
Product Group 10

Total Force IT Systems

Ms. Sonia Kitchen
Program Manager

- **Manpower Information Systems –** provides program management supporting the Manpower & Reserve Affairs Department, Headquarters, US Marine Corps

- **eBusiness Systems /AIT –** responsible for the management, deployment and sustainment of DoD eBusiness enterprise initiatives and identity enablers throughout the Marine Corps

- **Transportation & Distribution Info Systems –** responsible for the development, fielding, deployment and life-cycle support of several Joint Unit Move and Sustainment Automated Information Systems as well as the Joint Force Deployment Planning System

PM Total Force IT Systems Ms. Kitchen

Appropriations ($M)	FY 06	FY 06 Bridge Supplemental	FY 07
RDT&E	$18.2	$0	$13.4
O&MMC	$20.6	$0	$27.4
PMC	$14.6	$0	$15.6

Near-Term Program Initiatives

- ***TFMMR (Total Force Manpower Models Reengineering)***
  - 3Q/06 RFP/Award
- ***Marine for Life***
  - 3Q/06 RFP/Award
- ***Joint Force Requirements Generator***
  - 3Q/06 RFP/Award
- ***PR Builder***
  - 4Q/06 RFP/Award
- ***Warehouse-to-Warfighter***
  - 4Q/06 RFP/Award
- ***Shipboard Load & Unload Tracking System***
  - 4Q/06 RFP/Award

Future Program Initiatives

- ***R&D Investment***
  - 07-10 – Shipboard Movement Tracking Implementation aboard USN Amphibious & MPF Ships
  - 08-12 – Total Force Admin System Spiral Development
- ***PMC Investment***
  - 08-12 – RFID Infrastructure/Introduction of Passive RFID Infrastructure
- ***O&MMC Investment***
  - 08-12 – Lifecycle Sustainment of Portfolio Programs

Discussion Topics

- Requirements generation process
- Efficiencies gained by conducting portfolio management
- Mainframe transaction system migration in the next 10 years
- Methods to support deployed forces via IT systems

Panel Questions and Answer Period





Advanced Planning Briefing to Industry

Presented by

George W. Solhan

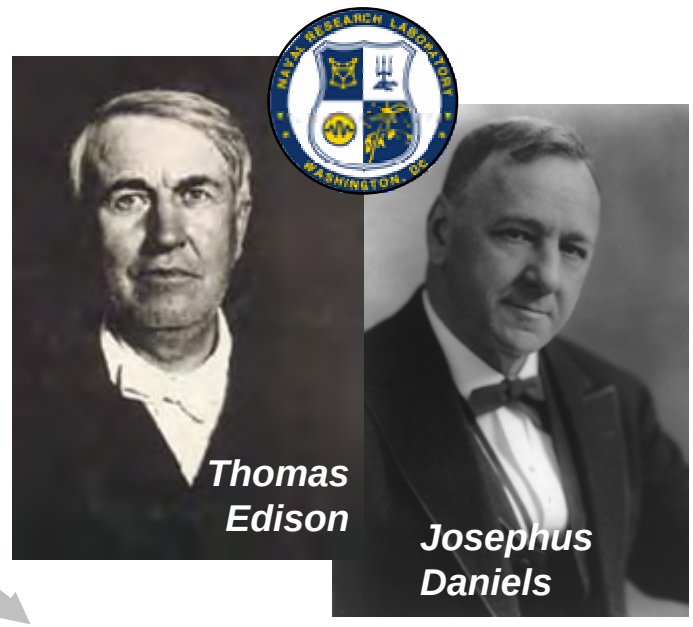
Deputy Chief of Naval Research, Expeditionary Maneuver Warfare and Combating Terrorism S&T Department (ONR 30)

http://www.onr.navy.mil/sci_tech/30/

13 April 2006

Naval Research: A Statutory Mission

Naval Research Laboratory ***(Appropriations Act, 1916)*****:**
"[Conduct] exploratory and research work…necessary… for the benefit of Government service, including the construction, equipment, and operation of a laboratory…."

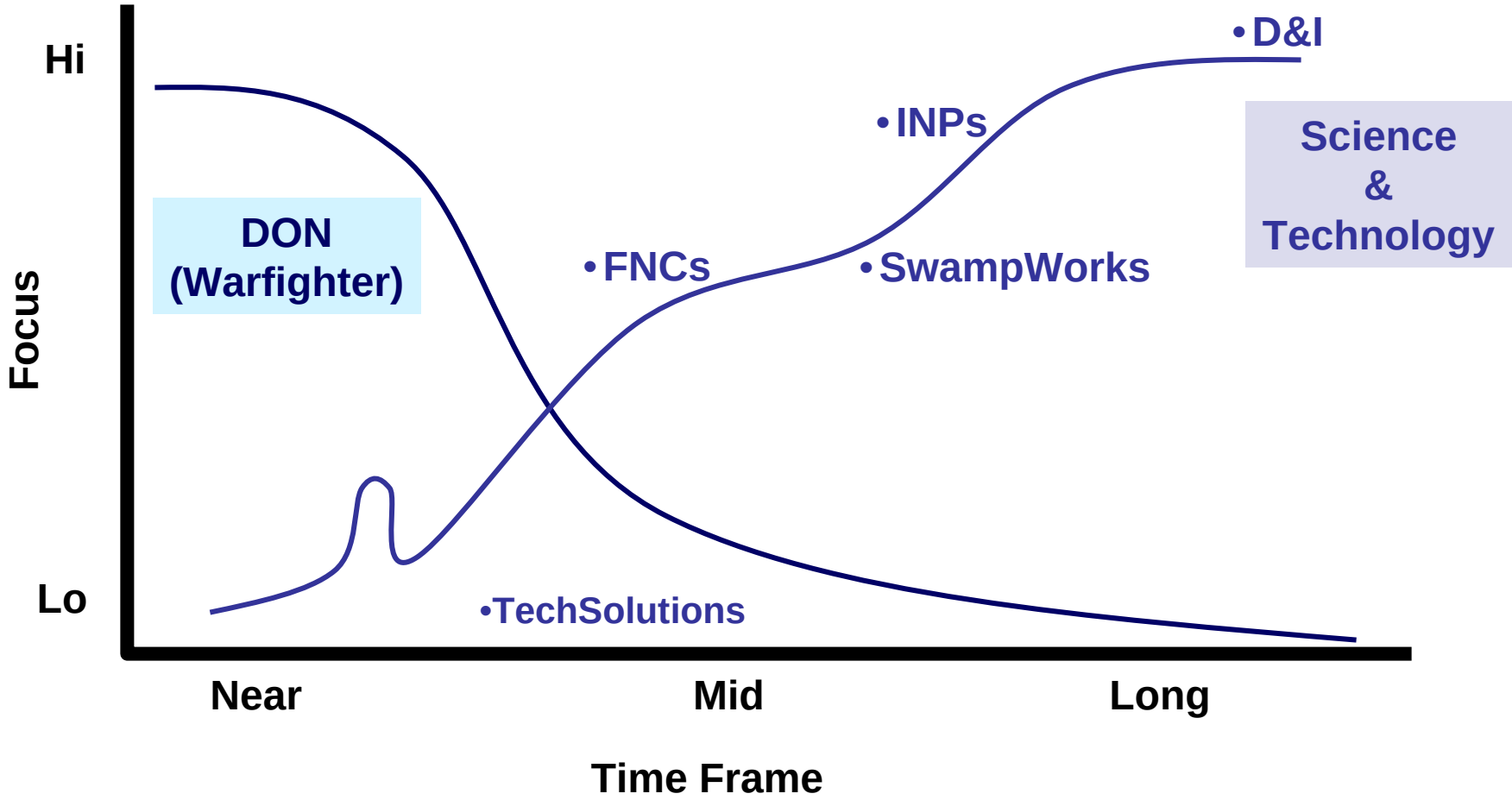


Office of Naval Research ***(Public Law 588, 1946)*****:**
"… plan, foster, and encourage scientific research in recognition of its paramount importance as related to the maintenance of future naval power, and the reservation of national security…. "



Transitioning S&T ***(Defense Authorization Act, 2001)*****:**
"…manage the Navy's basic, applied, and advanced research to foster transition from science and technology to higher levels of research, development, test, and evaluation."

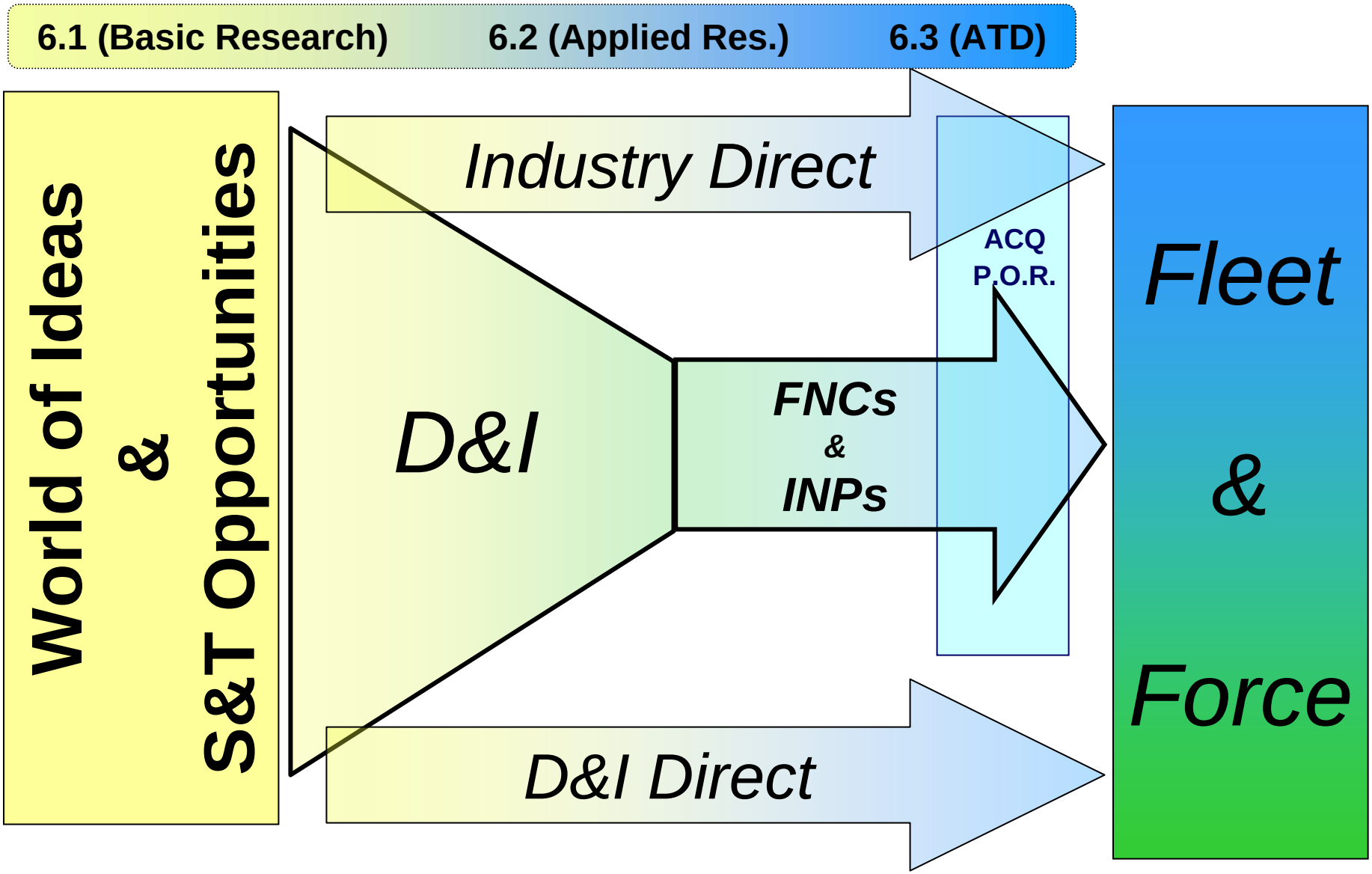
Conceptual View of DON Warfighters & S&T Focus Over Time



ONR FY06 S&T Portfolio

Discovery & Invention (40%) • Naval scientific disciplines • NRL/Warfare centers • National Naval Responsibilities • Technical workforce sustainment • High impacts/surprises	**Acquisition Enablers (31%)** • Future Naval Capabilities • Warfighter Protection • Capable Manpower • LO/CLO
Directed/Pass-through (19%) • Joint Experimentation • University Research Initiatives • Others	**Leap-ahead Innovations (10%)** • Innovative Naval Prototypes • SwampWorks • Tech Solutions • SEA TRIAL • Fleet/Force Response

S&T Product Flow



Discovery & Invention Program

- **DON S&T Corporate Board Guidance:** ***"This area invests in: Naval unique research, where DON must be the world leader; strong participation in research communities important to future naval applications, but not necessarily lead by DON; and, harvesting and advancing research results from all sources in areas of potential naval pay-off."***
- **Maturity: Very High. Well-established Grant process.**
- **Focus: Broad-based program of scientific inquiry.**
  - **Naval unique research, where DON must be the world leader**
  - **Strong participation in research communities important to future naval applications, but not necessarily led by DON.**
  - **Harvesting and advancing research results from all sources in areas of potential naval payoff.**
  - **Developing future national naval S&T workforce … funding about 3,000 students per year.**
- **Objective: Advance research to allow incorporation in Future Naval Capabilities (FNCs) or Innovative Naval Prototypes (INPs).**
  - **Includes Naval Research Enterprise (NRL, Warfare Centers, Academia, etc.)**
- **Governance: Chief of Naval Research <u>under</u> DON S&T Corporate Board.**
  - **Includes coordination with DON & DDR&E Leadership.**

PBR-07 ($M)	FY07	FY08	FY09	FY10	FY11
D&I	$670	$690	$701	$730	$689

Innovative Naval Prototypes

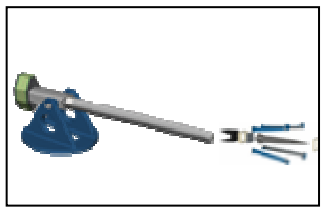
- **DON S&T Corporate Board Guidance:** *"Programs in this category may be disruptive technologies that are unlikely to survive without top leadership endorsement. Investments should be planned with the critical mass to achieve a level of maturity suitable for transition with 4 – 8 years."*
- **Maturity**: Very Low. FY06 start.
- **Focus**: Opportunity-driven.
  - Critical mass investment may yield transformational advance.
- **Objective**: Take advantage of opportunities ***outside*** of conventional requirements and acquisition processes.
- **Governance**: Corporate Board.
  - High risk or radical departure from established requirements and concepts of operation, are unlikely to survive without senior leadership advocacy.
- **Process**: The CNR, in consultation with other stakeholders (DON leadership, TOG principals), nominates candidates for Corporate Board approval.

PBR-07 ($M)	FY07	FY08	FY09	FY10	FY11
INP's	$87	$113	$147	$150	$150

INP Program Snapshot

- Guidance
  - Innovative and game-changing.
  - High risk, high payoff.
  - Useable prototype available at completion.
  - Deputy PMs for transition from Acquisition PEOs.

Current INPs



EM Railgun



PLUS



Sea Basing



SPACE

Future Naval Capabilities

- **DON S&T Corporate Board Guidance:** *"This area is focused on requirements-driven, transition-oriented thrust areas. Its objective is to provide Enabling Capabilities (ECs) to fill identified gaps in NP-21 warfighting and enterprise capabilities."*
- **Maturity**: Medium. POM02 start.
- **Focus**: Requirements-driven, transition-oriented.
- **Objective**: Provide ECs to fill identified gaps in Naval Power 21 warfighting and enterprise capabilities identified by OPNAV and MCCDC requirements analyses.
- **Governance**: The FNC Technology Oversight Group (TOG) establishes priorities for investments.
- **Process**: FNC Integrated Process Team structure to assure connectivity between requirements, technology, and acquisition.

PBR-07 ($M)	FY07	FY08	FY09	FY10	FY11
FNC	$416	$409	$445	$446	$446

ONR 30 Mission: Expeditionary Maneuver Warfare and Combating Terrorism

Office of Naval Research *(Public Law 588, 1946)*:
"… plan, foster, and encourage scientific research in recognition of its paramount importance as related to the maintenance of future naval power, and the preservation of national security.… "

Expeditionary Maneuver Warfare and Combating Terrorism (Code 30)
To lead the Department of the Navy's Science and Technology efforts that develop future combat capabilities for Naval Expeditionary Maneuver Warfare and the Department's role in Combating Terrorism, through:

…the exploitation and subsequent application of Science and Technology in order to enhance the ability of the Navy-Marine Corps team to achieve assured access and conduct decisive operations as the naval portion of a joint campaign.



Investment Thrust Areas:

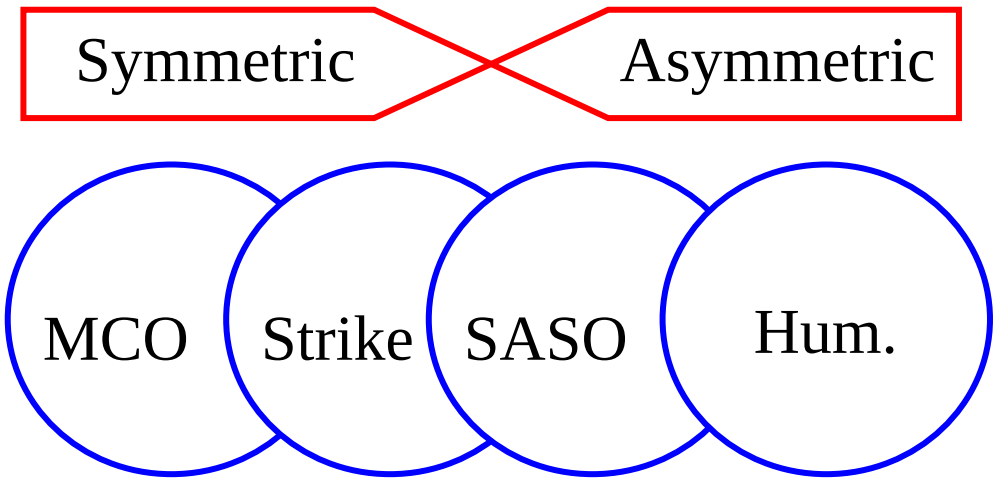
- **C4**
- **Fires**
- **Maritime Domain Awareness**
- **ISR**
- **Logistics**
- **Maritime Special Operations**
- **Maneuver**
- **Mine Countermeasures (MCM)**
- **Human Performance/Training and Survivability**
- **Force Protection**

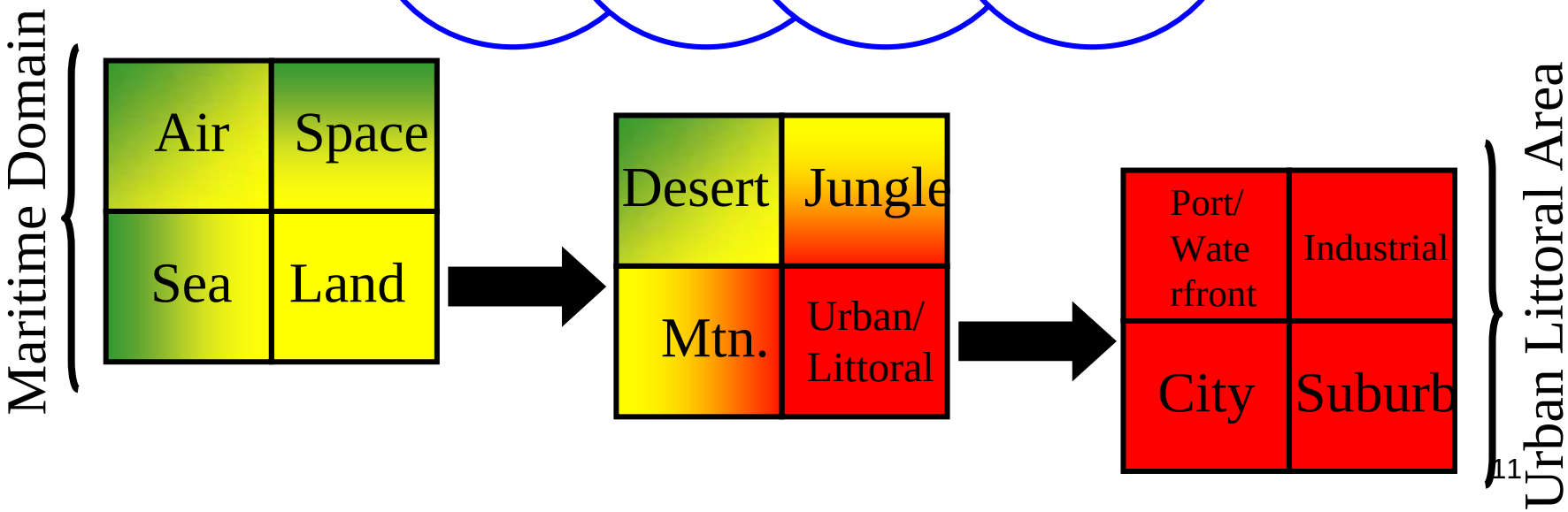
ExWar & Combating Terrorism

Most Contested

–

Least Invested





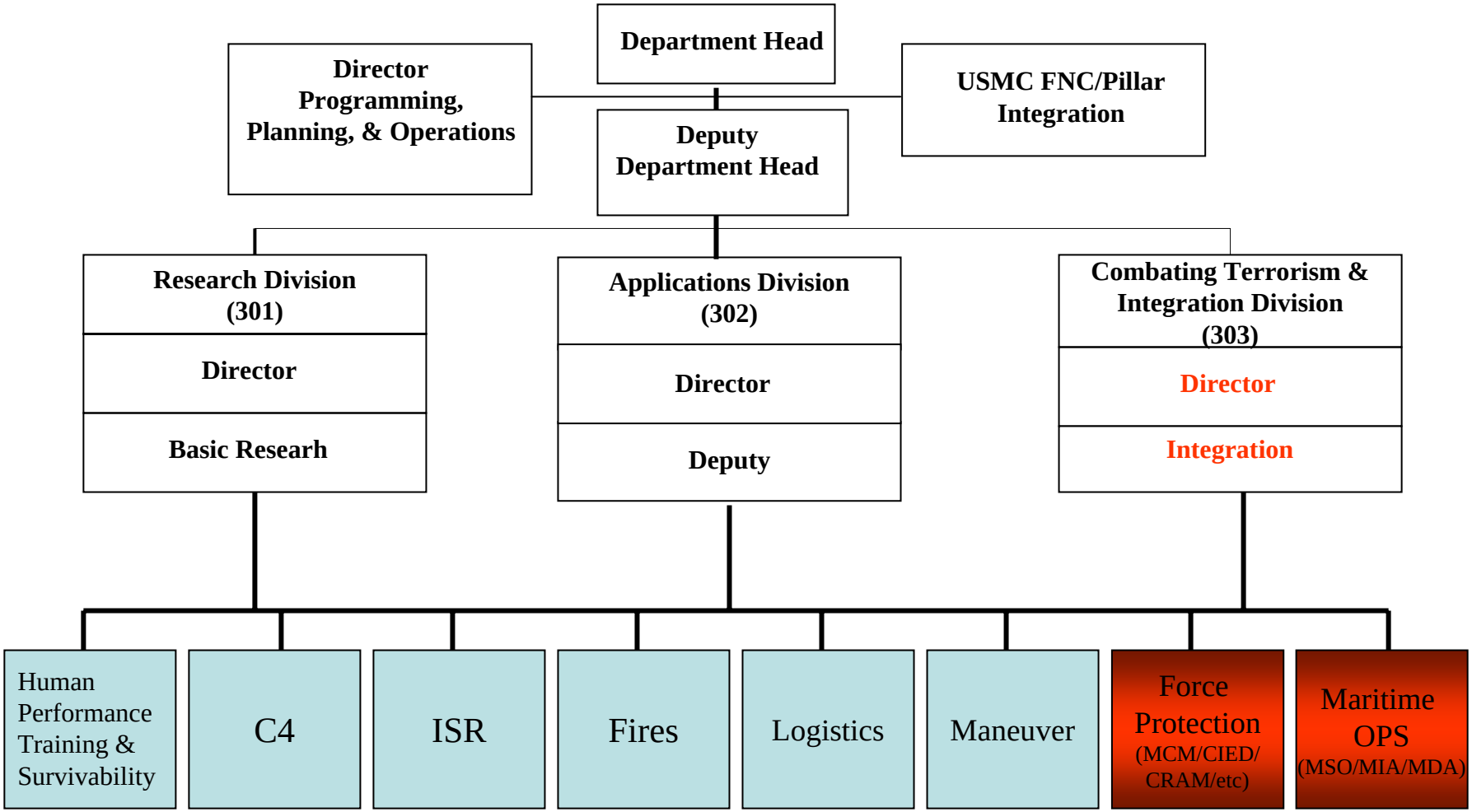
S & T Departments: Customers and Portfolios

EMW	FORCENet	SEA SHIELD	SEABASE	SEA WARRIOR	SEA STRIKE
MCCDC, MCWL, MARCORSYSCOM MARFOR, NAVFAC NCIS, DTRA, DHS SOCOM SPECWARCOM JNLW Directorate Army Research Lab NECC MARSOC	SPAWAR NETWARCOM ONI NRO NSA	N096 NAVMETOC CORE NOPP NOAA NASA UNOLS	NAVSEA NAVSURFOR NAVSUBFOR NAVAIRFOR (for ship systems) USCG DOE	Surgeon General Medical Officer of the USMC CNET CNP NIH	NAVAIR NAVAIRFOR Air Force Research Lab
DASN LMW	DASN IWS/LMW/ AIR/C4I	DASN SHIPS/ IWS/AIR	DASN SHIPS/LMW	DASN SHIPS/C41/ LMW	DASN SHIPS/ IWS/AIR
30 – Exp. Warfare & Combating Terrorism	31 – C4ISR	32 – Ocean Battlespace Environment	33 – Sea Warfare and Weapons	34 – Warfighter Performance	35 – Air Warfare and Weapons
Exp. Man. Warfare USMC STOs in multiple warfighting areas – C4; ISR; Logistics; Human Performance, Training & Survivability; Maneuver; MCM Warfare (w/32); Ground-based Firepower; Non-lethal Weapons; Naval Specwar; EOD	Electronics Computer & Info Sciences Radar/EO/IR Maritime sensors EM propogation & interaction Signal & image processing C3 Networking Surveillance EW	Oceanography Coastal Geosciences Marine geology & geophysics Modeling & Sim Marine metrology Atmospheric effects Space MCM (w/30) UUV's (w/33)	Chemistry Power & energy conversion Naval materials Non-linear dynamics Ship Structures Ship HM&E ASW & UUV's (w/32) Ocean eng. & marine systems	Cognitive science Neural science Behavioral science Social org./science Manpower, personnel & training Human factors Medical science Bimolecular science Biosystems Biomaterials	Physics Aerospace materials Energetics Surface & Air launched weapons Kinetic & Directed energy weapons Robotics UAV's Air Vehicles

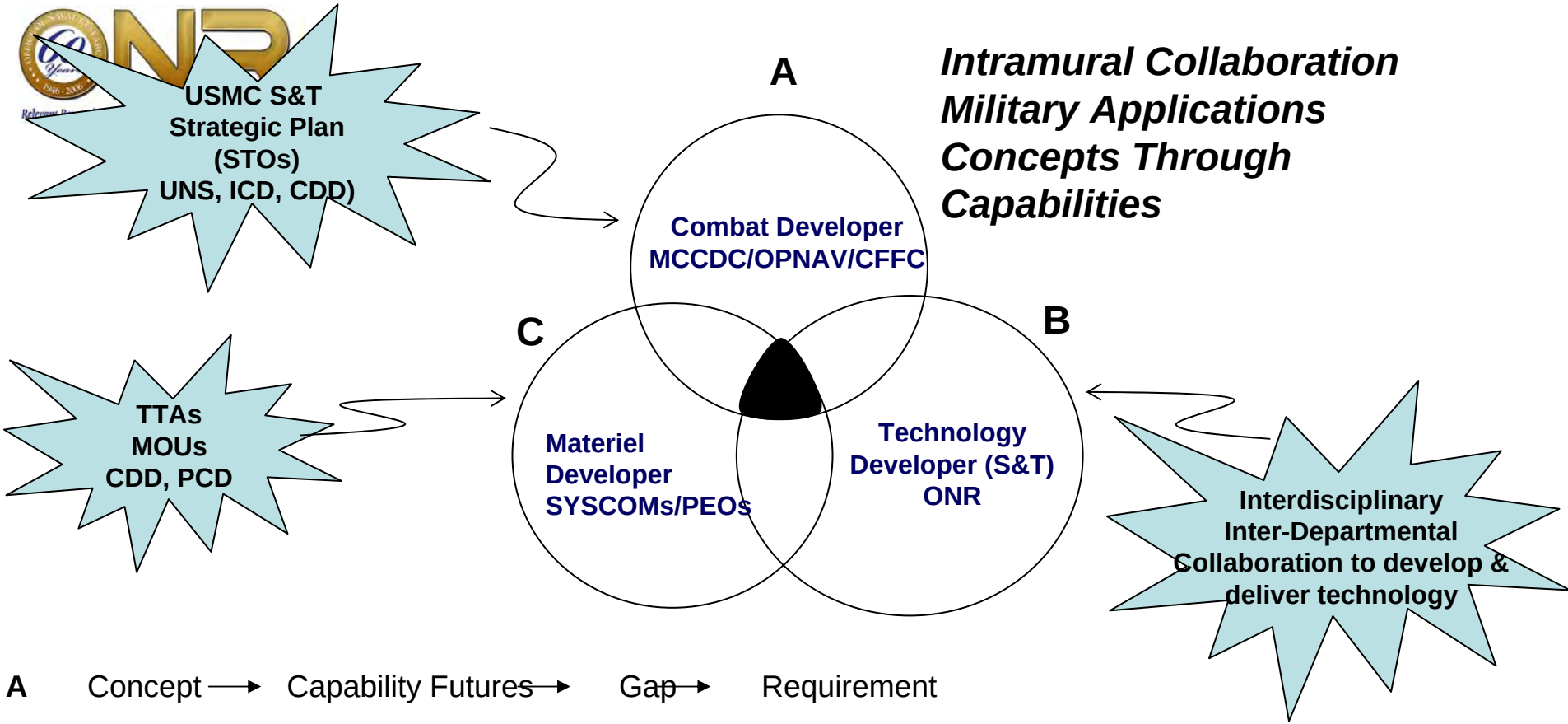
Combating Terrorism



Expeditionary Maneuver Warfare & Combating Terrorism Department (Code 30)



Intramural Collaboration Military Applications Concepts Through Capabilities

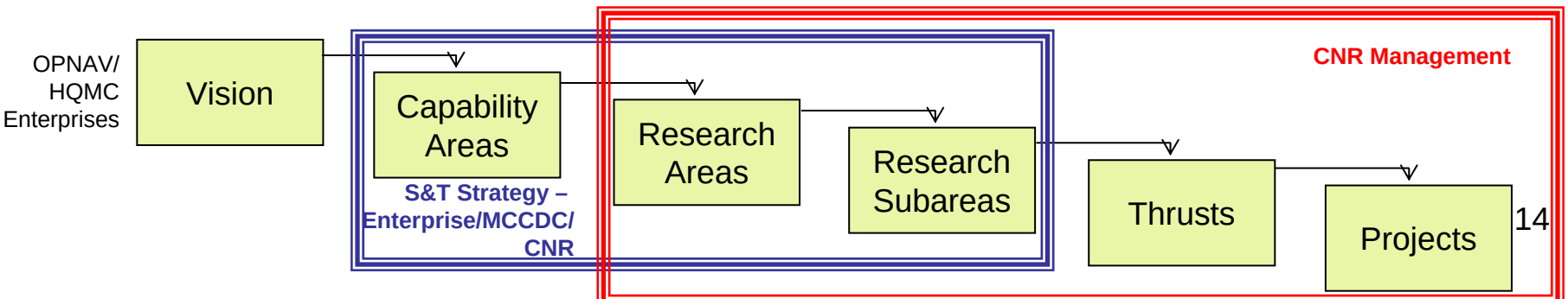


A Concept → Capability Futures → Gap → Requirement

B Capability Futures → Gap → Requirement → Technology

C Requirement → Technology → R&D/ Production

Capability



Example of Thrusts

MANEUVER

Develop, demonstrate, and transition technologies that will increase the warfighting capabilities and effectiveness of the Marine Corps Air Ground Task Force (MAGTF). This Thrust will capture emerging and "leap ahead" technologies in the areas of mobility, materials, propulsion, survivability, and unmanned systems.

ONR

MANAGER

Mr Jeff Bradel
703.588.2552
bradelj@onr.navy.mil

TEAM

Mr. Mike Byerly (D&I)
301.227.4221
Michael.Byerly@navy.mil

Dr. Larry Schuette (EC)
703.696.4319
schuetl@onr.navy.mil

RECENT TRANSITIONS

GLADIATOR TACTICAL GROUND UNMANNED VEHICLE (FNC)
Transitioned to MCSC

RECONNAISSANCE, SURVEILLANCE, & TARGETING VEHICLE (FNC)
Transitioned to MCSC

MODELING & SIMULATION BASED DESIGN (D&I)
Transitioned to MCCDC

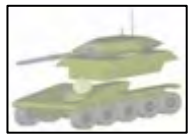
SHOCK MITIGATED SEAT - PHASE I (D&I)
Transitioned Phase I to MCSC

FOCUS AREA	PROJECT
SURVIVABILITY **MVR STO-1**: Advanced power plants, drive trains, and suspensions **MVR STO-2**: Advanced and composite materials to enhance the performance and survivability of combat vehicles **FP STO-**3: Incorporation of improved materials for future vehicles and aircraft that provide improved levels of protection at reduced weight and volume **FP STO-4**: Active protection system for vehicles against rocket propelled grenades.	SURVIVABILITY SYSTEMS MATERIALS (D&I) SHOCK MITIGATED SEAT - PHASE II (D&I) ELECTROMAGNETIC NON-EXPLOSIVE ARMOR (D&I) COMBAT S&T VEHICLE SURVIVABILITY EFFORTS (D&I) ADVANCED ELECTROMAGNETIC ARMOR (D&I) ACTIVE RPG DEFENSE (FNC) ULTRA ARMORED PATROL VEHICLE (D&I) ULTRA APV SURVIVABILITY ENHANCEMENTS (Plus-Up) EXPLOSION RESISTANT COATING ACTD (D&I)
UNMANNED SYSTEMS **MVR STO-6**: Advanced robotic systems for ground combat	GUNSLINGER HOSTILE FIRE DETECTION (FNC)
ADVANCED MOBILITY **MVR STO-1** **MVR STO-2** **MVR STO-3**: Augmented cognition for combat vehicle crews and operators of maneuver systems	COGNITIVE ASSESSMENT & TASK MANAGEMENT (D&I) EXPEDITIONARY DECISION SUPPORT SYSTEM (FNC) COMBAT S&T VEHICLE MOBILITY EFFORTS (D&I) BATTLEFIELD POWER GENERATION (FNC) ELECTRONICALLY CONTROLLED ACTIVE SUSPENSION (D&I) ADVANCED LEAD-ACID BATTERY (Plus-Up) FUTURE TACTICAL TRUCK SYSTEM ACTD (D&I) EXTREME TERRAIN MEDEVAC VEHICLE (Plus-Up) EFV OBSTACLE DETECTION SYSTEM (FNC)

Expeditionary Warfare Operations
Maneuver Discovery & Invention and Enabling Capability Projects


Gladiator TUGV


RST-V


MEFFV


Gunslinger


Survivability


JLTV


Human Interface


Light Vehicles


EFV ODS


Ultra 3T APV


Active RPG Defense

Objectives/Challenges:

- **Research and develop advanced technologies for tactical and combat vehicles focusing on mobility, propulsion, suspension, survivability, crewmen situational awareness, and unmanned ground systems.**
- **Enhance mobility for the surface landed MAGTF elements.**
- **Provide knowledge-based situational awareness as well as land mine and obstacle avoidance and breaching capabilities from the line of departure, through the beach exit zone, to the objective.**

Technical Areas:

- **Survivability/Materials:**
  - **Nano-materials, smart materials, active defense systems, advanced armor systems, obstacle detection systems, seats, blast modeling and simulation**
- **Advanced Mobility:**
  - **Suspensions, hybrid electric power, drivetrains, modeling and simulation, future HMMWV replacement**
    Examples: RST-V- *most advanced electric tactical vehicle in the world.* Active suspension for HMMWV
- **Unmanned Systems:**
  - **Unmanned ground vehicles, operator controls**
    Examples: Gladiator TUGV- *transition to MCSC will lead to first ever fielding of a multi-purpose tactical UGV.*
    Gunslinger Hostile Fire Detection and Counterfire System

Payoff:

- **Improved warfighting effectiveness of the MAGTF (Ground Combat Element).**
- **Increased mobility and survivability of ground platforms.**
- **Improved fuel efficiency and exportable power.**
- **Simulation based design tools to support future vehicle concept development and technology trades.**
- **Improved situational awareness and navigation capability**
- **Seamless transition of combat from ship to shore**

FY07 Plans
Blast/Fragmentation/Consortium
Human Factors Consortium

- **Synergy of efforts and information exchange across the diverse fields of conventional weapons, vehicles, personnel protective equipment, human factors, and modeling and simulation. The objective is to investigate the basic phenomenology of weapons effects and advances in materials and designs to impact future vehicle and personnel survivability.**
- **Consortium includes scientists and warfighters from Marine Corps, Army, Navy, Air Force, OSD, Academia, and Industry.**

EVENT



II MEF
NHRC
AFMET
JIEDDO
. . .

ARA
OSD
NRL
AFRL
USA ARL
. . .

BIO EFFECTS



BLAST AND FRAGMENTATION

ARA
ARL
NRL
UMD
NSWC
. . .



SIMULATION BASED DESIGN

Causes of IED Injury

1st – Blast
2nd – Fragmentation
3rd – Displacement
4th – Burns and Toxins
5th – Wound Contamination



JLTV/CTV/CSTV

Joint Light Tactical Vehicle/Combat Tactical Vehicle/ Combat S&T Tactical Vehicle

FY07 Plans
Blast/Fragmentation/Consortium
Human Factors Consortium

- Collect and analyze wound data
- Conduct knowledge exchange and concurrence on definitions, issues and future needs (i.e. gap analysis)
- Foster interaction between medical, vehicle, & personal protective equipment disciplines
- Design requirements for blast and ballistic loads of vehicles, particularly Joint Light Tactical Vehicle (JLTV)



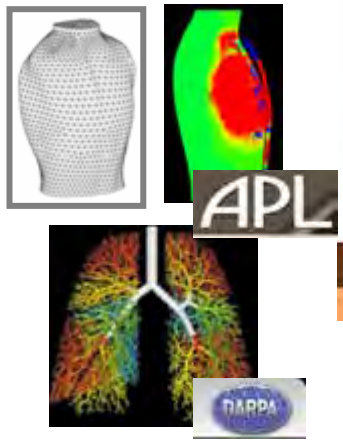
Autopsies
X-Rays
CT Scans



Wound Mapping



Testing Surrogates

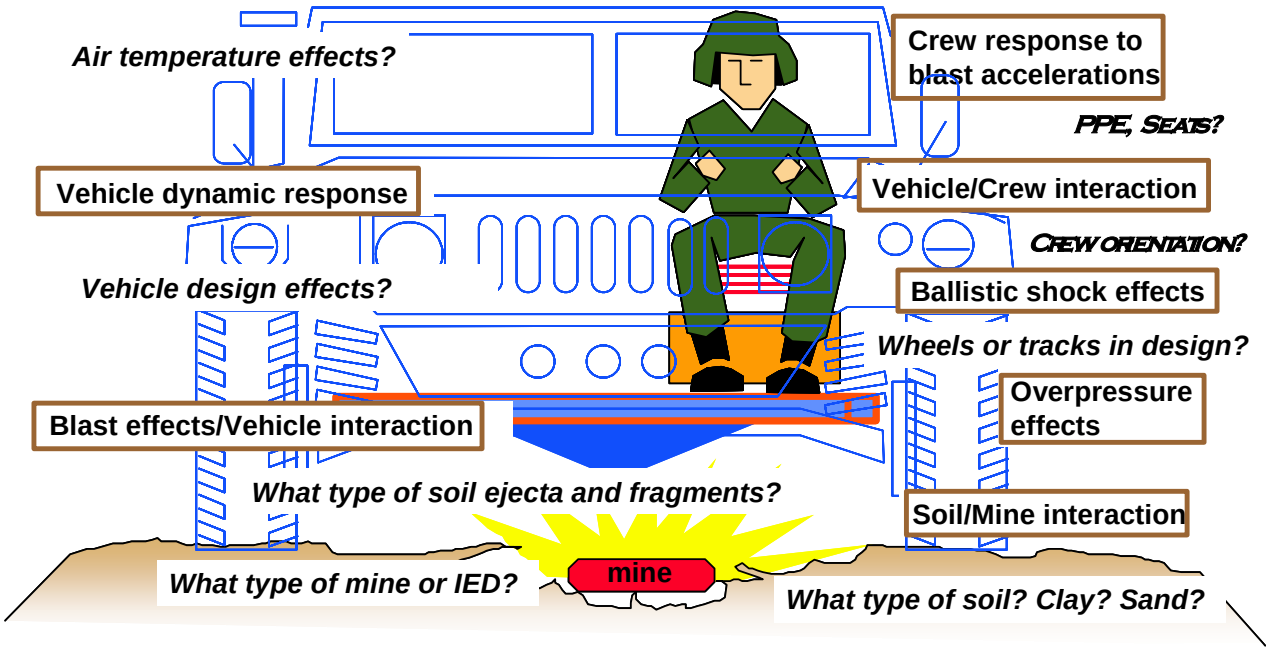


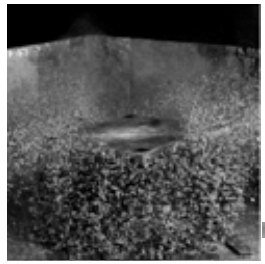
Physics Based Medical Models



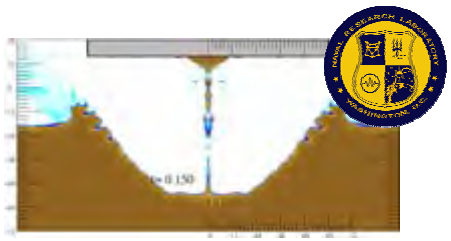
Blast/Vehicle/Human Interaction

FY07 Plans
Blast/Fragmentation/Consortium
Human Factors Consortium





Blast Effects



Soil Models

All interactive events have been locally modeled to some degree . Current goal is to <u>accurately</u> portray the complete event.



FY07 Plans
Combat S&T Vehicle (CSTV)

Trades, Concepts, Technology Demonstrator:

Conduct trade studies, design, build & test a Combat Science and Technology Demonstrator platform. Leverage Simulation Based Design Tools.

Superior Mobility / Performance:

State of the art drive train & suspension technologies. Leverage hybrid electric systems from the RST-V, ECASS, and private sector.

Advanced Armor Design:

Leverage Army Research Lab ceramic composite and EM armor designs for medium vehicles.

Crew station:

Expand on lessons learned from ULTRA to design superior ergonomics, safety and "fightability" of platform.



Integrate Active RPG Defense:

Incorporate evolved active net system from current effort.

Advanced Automotive Safety:

Best available safety features to reduce roll-over, collisions and from AugCog platform (autonomous obstacle avoidance system, optical lane sensing, computer stability control).

Integrated Combat Systems:

A "plug & play" ready vehicle that can be quickly adapted to a variety of missions. Power, hard points and crew stations compatible with remote weapons and sensor systems. Leverage Gunslinger & AugCog programs.

Mine / IED Survivability:

Cab floor and crew seats designed to mitigate shock loading from mines & IEDs.

Human Performance Training & Survivability

Marine Corps S&T Objectives

Navy S&T Objectives (emerging)



Physical Performance Enhancement



Training Technology Enhancements

The Warrior

Survivability



Cognitive Performance Enhancement





Operational Filters

- Combating Terrorism
- Distributed Operations
- Expeditionary Warfare

Current Physical Performance Enhancement &Survivability Focus:

- Head, Neck, Face, Torso, and Extremities Protection
- Fatigue Mitigation
- Combat Situational Awareness
- Combat Nutrition (Monitoring Army Efforts)
- Pharmacological Interventions
- Combat Load / Endurance

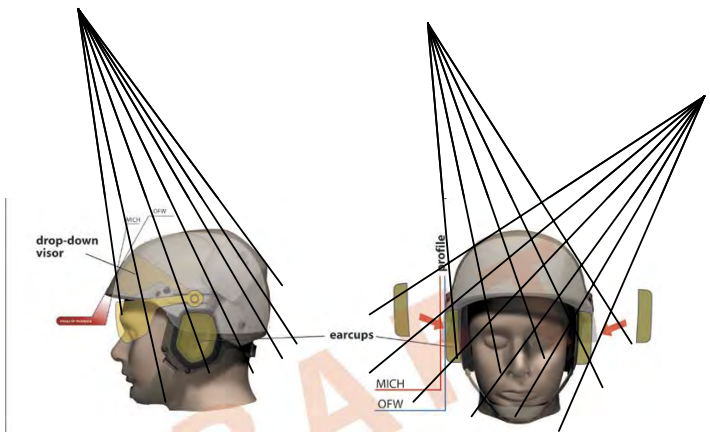
Current Cognitive Performance Enhancement & Training Technology Enhancement Focus:

- Individual & Small Unit Training
- Cognitive Performance Evaluation
- Virtual & Simulated Environments
- Enhanced Mission Rehearsals
- Human & Autonomous System(s) Interaction
- Uninstrumented Environments
- Cognitive Performance Enhancing Technologies Under Stress

Human Performance & Survivability Plans

- Review of ONR30 Previous, Current, & Future Investments within:
  - Armor Protection
    - Head, neck, face, and torso
  - Combat Load Reduction
    - Overall Combat Endurance
- Overview of other initiatives.







Torso & Extremity Protection

"A problem arises when the desire to protect…against 'worst case' collides with the weight/ mobility & cost penalties associated with that level of protection."

–Mark Miller, *S&T Support for "Bulletproof Marines"*

Current Protection:

- 2 Enhanced Small Arms Protection Plate Inserts (ESAPI) plates: Coverage of torso = ~ 3/ft²
- ESAPI weights 8 lbs/ft²
- Outer Tactical Vest (OTV) with 2 ESAPI = ~ 30 lbs





DARPA

For Full Body (minus head):

- 50th percentile Marine = ~ 10ft² (surface area)
- 10ft² at ESAPI Level = ~ 90 LBS
- Tactically Impractical
- State-of-the-art, compared to ESAPI, *NOT likely to improve*



ONR/NRL

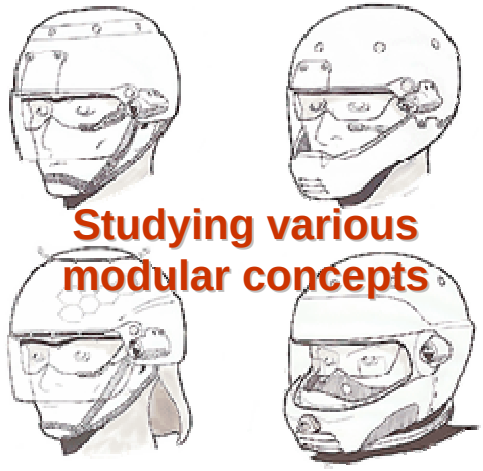
Extremity protection prototype (Frag ONLY)

Marine Advanced Combat Headborne System Initiative (MACHSI)

- **An initiative to address the threat of higher facial and head injuries experienced by Marines in Iraq.**

- **An effort to scope and define helmet requirements and potential technologies to support the modular, integrated helmet of the future.**

The head, face, & neck are the most difficult areas to protect



Studying various modular concepts

<u>& Need to Address Functional Ergonomics:</u>
Listen—Observe–Communicate—Shoot

Possible Designs

Modular Concept Adaptable to Battlefield Environments







Increased Survivability via Improved Materials and Area of Coverage

Increased Sustainability (Venting/Cooling, Weight Reduction) for Operational Readiness

Input from S&T, user & medical communities

<u>A collaboration between:</u>

- **ONR 30 (HPT&S)**
  - **U.S. Army Natick Soldier Center**
  - **Marine Corps Systems Command (PM MERS)**
  - **Director Soldier Systems, Canadian National Defense**

Levels of Protection Addressed

1. Mission Operation Posture (MOP): Base Helmet

a. 2-grain RCC, V50 4,400 ft/sec.
b. 4-grain RCC, V50 3,800 ft/sec
c. 16-grain RCC, 2,700 ft/sec.
d. 64 grain RCC, V50 1,775 ft/sec.
e. 124-grain 9mm FMJ, V50 no less than 1,650 ft/sec.



2: Mission Operation Posture (MOP): Base Helmet Plus Side Components

a. Reduce potential causalities by 30% over MOP 1 configuration.



3. Mission Operation Posture (MOP): Base Helmet, Side Components Plus Throat/Neck Protection.

a. Reduce potential causalities by 20% over MOP 2 configuration.



4. Mission Operation Posture (MOP): Hard Armor Appliqué.

a. 5.56mm M855 @ 3150 ft/sec (muzzle)
b. 7.62mm M1943 @ 2000 ft/sec (100 meters)
c. 7.62mm M1943 AP @ 1700 ft/sec (200 meters)



5. Mission Operation Posture (MOP): Hard Armor Appliqué.

a. 7.62mm M1943 @ 2400 ft/sec (muzzle)
b. 7.62mm M1943 AP @ 2000 ft/sec (100 meters)
c. 7.62mm M80 Ball @2300 ft/sec (200 meters)
d. .30 Cal APM2 @ 2000 ft/sec) (400 meters)]



Challenges with head and neck protection:

- Requires integration of impact protection, ballistic protection, ventilation/cooling, retention/suspension systems, communications, hearing protection, eye protection and articulation issues

- Problems with conformance and ergonomics (e.g., rifle Cheek weld)

Decreasing the Marine's Load

Yesterday's & Today's Marine – Overloaded!

1960s



Today



No Change

Treat the Marine as a system – Focus on the entire individual

~Make smart tradeoffs between performance & weight~

Improvements in:

- **Combat Load**
- **Ergonomics**
- **Nutrition**
- **Physiologic Performance (Endurance, Strength)**
- **Fatigue Management**
- **Protection**

Tomorrow's Marine: Optimized for Combat Endurance

Equals improvements in a Marine's load-bearing capability

Developing A Virtual Warfighter System

- Historically, Marines have been overloaded
- Not likely to change as advances in reducing size/weight motivate adding more
- *More performance (kinetic, weapon, armor, sensors, comms) = more weight!!*
- **Human/Technology Performance tradeoffs are key**
  - ONR 30 is building a Virtual Marine tradeoff analysis tool to make performance/weight tradeoffs







The Ultimate Customer – The Warfighter!

Caveat: Real Customer: SYSCOMs, PEOs, DRPMs

HOT Buttons:

1. **Survivability**
2. **Reduce Combat Load**
3. **Small Unit Excellence**
4. **Fuel Efficiency**
5. **Light weight portable power sources**



ONR Key Goals

- Innovation in product & process
- Transitioning science, technology, & ideas to the PEOs, SYSCOMs & Fleet/Forces
- Flexibility to solve *today*'s critical challenges while focusing on *tomorrow* & the *Navy/USMC After Next*

ONR
Relevant Research and Results . . .Yesterday, Today, and Tomorrow

QUESTIONS?



http://www.onr.navy.mil/sci_tech/30/

MAGTF C2 Weapons and Sensors Development and Integration

Product Group 11

Ms. Katrina Wahl, Product Group Director

Why are we soliciting help from industry:

To help us provide quality MAGTF Command & Control Weapons & Sensors Development & Integration (MC2I) systems and equipment to the operating forces by expertly acquiring and managing MC2I systems and equipment during their entire life cycles.

Product Group Principals:

PM Radar Systems: *Mr. John McGough*

PM OPFAC: *Mr. Kevin Holt*

PM ADWS: *LtCol. Lew Wood*

PM MC2S: *Col. Steven Elkins*

PM US: *Col(Sel) Frank Kelley*

Strategic Business Team (SBT)

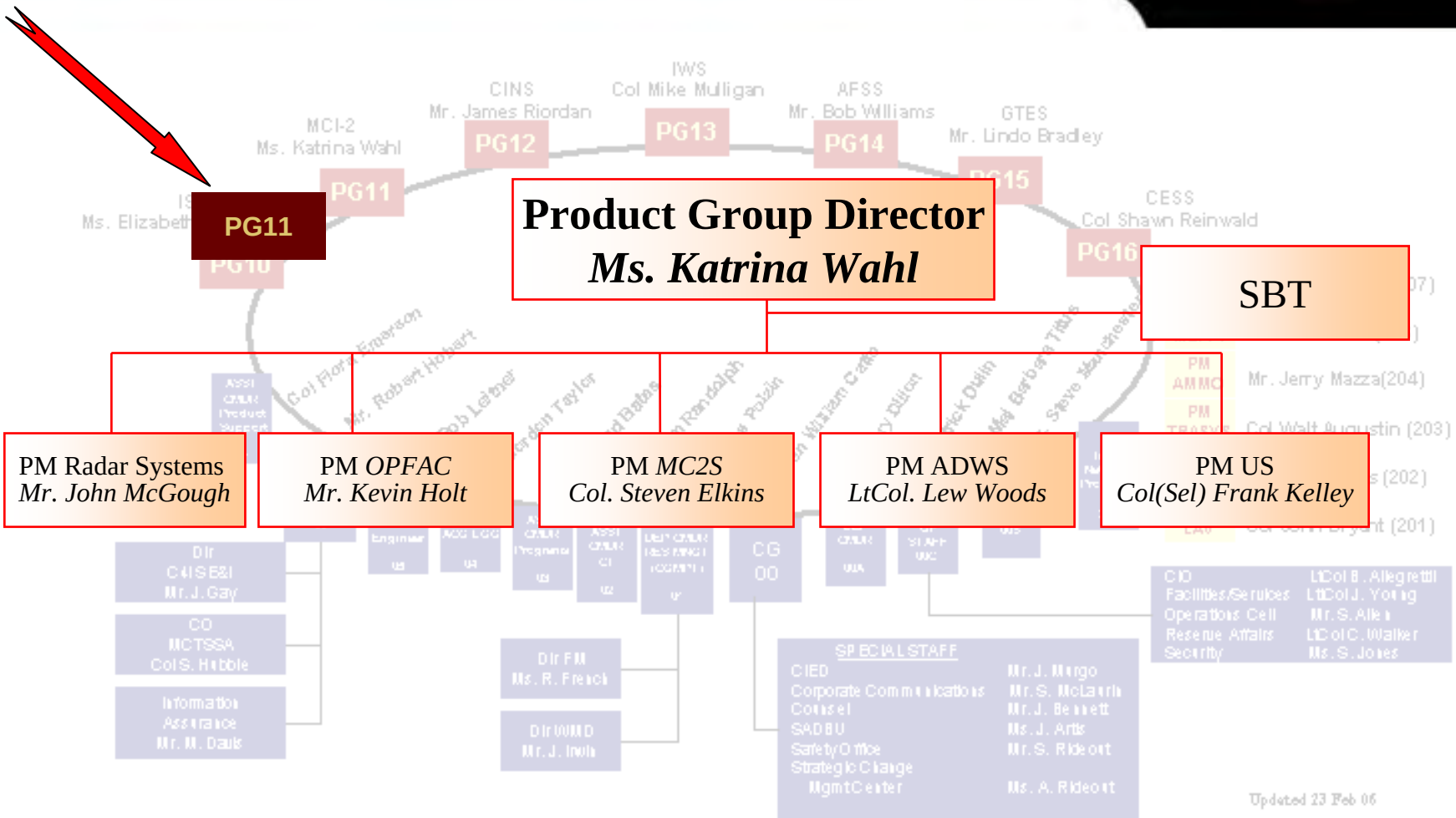
- Business Manager: *Mr. John Cocowitch*
- Contracts Manager: *Mrs. Valarie Mosqueira*
- Lead Financial Manager: *Mr. Steve Costa*
- Lead Engineer: *Mr. Mike Ferraro*
- Lead Logistician: *Mr. Barry Myers*
- Technical Director: *LtCol. Steve Jones*

Product Group Total Funding: $241,377.3K FY06

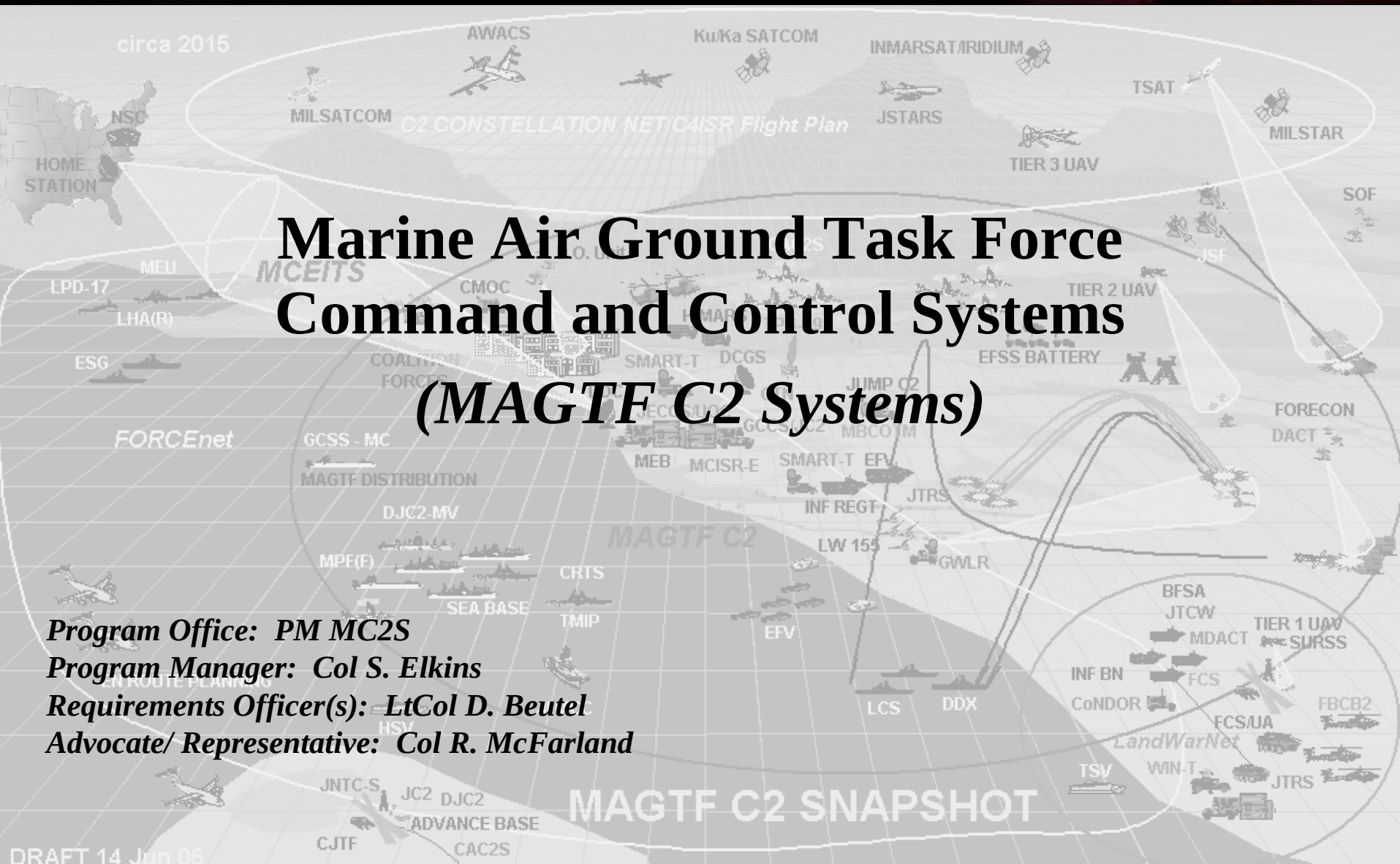
Appropriations Spending Breakout: $268,243K FY07

Appropriations	FY 06	FY 06 Supplemental	FY 07
RDT&E	$136, 873.8K	$0.0	$124,605K
O&MMC	$22,600.1K	$0.0	$42,371K
PMC	$51,087.4K	$51,156K	$101,267K

Advanced Planning Briefing to Industry 2006



Col Steven Elkins, Program Manager MAGTF Command & Control Systems.



Marine Air Ground Task Force Command and Control Systems

(MAGTF C2 Systems)

Program Office: PM MC2S
Program Manager: Col S. Elkins
Requirements Officer(s): LtCol D. Beutel
Advocate/ Representative: Col R. McFarland

- MAGTF C2 Systems Strategy:
  - Methodology to deliver an end to end, fully integrated, cross-functional set of MAGTF C2 capabilities
  - Delivered across 5 echelons of Combat Operation Centers through a Common MAGTF C2 Software Baseline.

PM MAGTF C2 Systems Col Elkins

- MAGTF C2 Systems will be handled as an investment portfolio of 20 MAGTF C2 Systems & Applications
  - MAGTF C2 Software Development mirrors US Army Software Blocking strategy
    - 2 year S/W development cycles (Spirals)
- ***The challenge***: *C2 Synchronization* across the MAGTF

PM MAGTF C2 Systems Col Elkins

($ Millions)

Appropriations	FY 06	FY 06 Supplemental	FY 07
RDT&E, N	$61.3	NONE	$36.2
OMMC/R	$5.5	NONE	$8.8
PMC	$14.1	$1.5	$50.0

Near-Term Program Initiatives

- MAGTF C2 Spiral 0 – Marine Requirements Oversight Council directed immediate improvements (FY08)
- Joint Requirements Oversight Council Memorandum – 161- 03; Mandates Marine Corps and Army Ground C2 Convergence
  - Brigade and Above – USMC lead service
  - Brigade and Below – USA lead service

Future Program Initiatives

- R&D Investment
  - 4Qtr/07 – MAGTF C2 Systems Spiral 1 – RFP release date

- PMC Investment
  - 4Qtr/07 – Common Aviation Command & Control System production – projected RFP release date

Open Discussion Topics

- How DoD (NECC) and US Army C2 Systems Modernization strategies impact on, or align with, USMC MAGTF C2 development.

Mr. Kevin Holt,

Program Manager Operations Facilities.

MAGTF C2 Weapons and Sensors Development and Integration

Product Group 11

Operational Facilities (OPFAC)

WEAPONS
CTN
SENSORS
C2
COMPOSITE TRACKING NETWORK
FUSING THE BATTLESPACE

TBMCS
CORE SYSTEMS

TACC
READY
RELEVANT
CAPABLE

DACT

Mr. Kevin Holt Program Manager

PM OPFAC Mr. Kevin Holt

PM OPFAC is responsible for the Command and Control hardware material solution. Hosts USMC or other Service software. Designed to support MEF, Division/Wing, Regiment, Battalion, and Company/Unit.

Active industry participation in PM OPFAC should be focused on addressing the disadvantage user, reducing the footprint on the solutions, and long term sustainment of systems. Standardization across the Marine Corps is an objective.

PM OPFAC **Mr. Kevin Holt** **Mounted (M-DACT)/Dismounted (D-DACT)**

Mission:





The Data Automated Communications Terminal (DACT) is the Marine Corps Blue Force Tracking Program of Record. The DACT is a tactical input/output battlefield situational awareness (SA) system and communication terminal acquired to provide Marine Air-Ground Task Force Command, Control, Communications, Computers, and Intelligence (MAGTF C4I) digitized Position Location Information (PLI) capability below the battalion level.

MROC approved AAO M-DACT (1050)/ D-DACT (2485)

Capabilities:

- Situational Awareness
- Digital Messaging
- Mapping
- Overlays
- Route Planning
- Navigation
- Data Storage and Transfer

PM OPFAC **Mr. Kevin Holt** **Blue Force Tracker (BFT)**



Mission:

The BFT is a digital command and control system that provides on the move, near real time, situational awareness to the vehicle mounted platform level. The systems share Position Location Information, text messages, and other information with other BFT equipped units across the battlefield. The BFT network provides commanders the ability to digitally control and monitor their subordinate units status and position.

Capabilities:

Satellite-based tracking and communication system.



USMC has procured two variants.

- "Backpack" variant designed for installation in a HMMWV & for use in the Combat Operations Centers.
- The V-4, it is the militarized FBCB2 computer system

Both systems utilize the same FBCB2 software.

PM OPFAC Mr. Kevin Holt Battlefield Target Identification Device (BTID)



Mission

Enable crews of ground platforms to accurately & rapidly discriminate between friendly & potentially hostile vehicles at ranges in excess of 6 km. Provides for the capability to identify themselves as friendly to other platforms equipped with comparable systems. Provides an alternative means of tactical data exchange that enhances situational awareness, and an alternative means of digital communications between comparably equipped platforms.



Capabilities

- Probability of Correct Identification (PID): 95% (T)/99% (O)
- Engagement Time: Less than 1 second
- Range: 1.5 x maximum effective range approximately 6.5 km
- Performance: Not degraded by fog, rain, smoke or vegetation
- Interoperability: Interoperable with joint & coalition systems

Mission



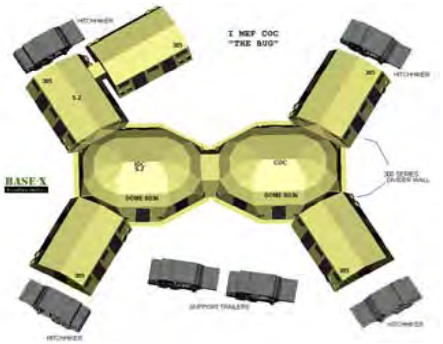
Joint Combat Identification Marking Systems are inexpensive, simple-to-use beacons & IR/thermal marking devices that provide a capability to positively identify friendly entities in the battle space.



Capabilities

- Standard markings across all Services
- Provides for quick recognition of friendly entities.
- Improves combat effectiveness & reduces fratricide

PM OPFAC **Mr. Kevin Holt** **Combat Operations Center (COC)**







Mission:

COC is a vehicular-transportable system, will provide a centralized facility to host Command & Control functionality for the MAGTF. A systems-engineered, integrated hardware solution using existing radio, Tactical Data Systems & prime movers providing mobility, modularity, & scalability. Built for MEF, Division, Regiment, & Battalion.

May 06 – MROC approved AAO (355)

Capabilities:

- Enable interaction & flow of information in a collaborative environment.
- Provide better situational awareness
- Provide commonality/standardization among Marine systems.

PM OPFAC Mr. Kevin Holt Composite Tracking Network (CTN)

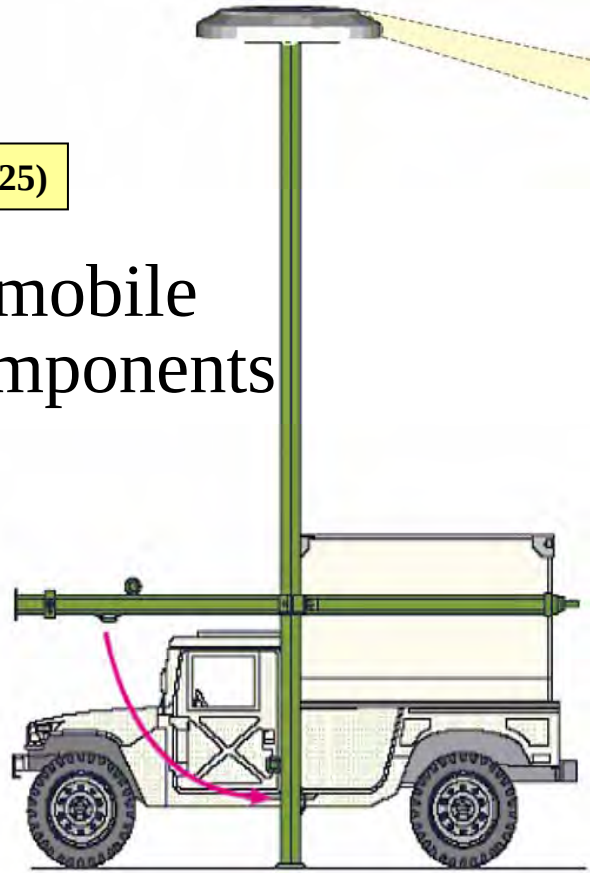
Mission:

Provide the MAGTF Commander a cooperative targeting, Joint integrated firing solution.

Feb 02 – MROC approved AAO (25)

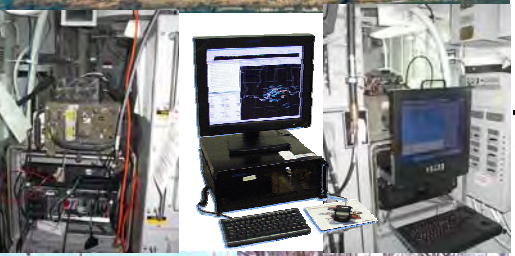
Capabilities:

The Marine Corps CTN system is a land mobile version of the Navy CEC system. The components will be housed in a standard 788 lightweight, multipurpose shelter on an M10972-A Heavy HMMWV.



PM OPFAC Mr. Kevin Holt Marine Command & Control Systems (MACCS)









Mission:

MACCS consists of various air command and control agencies and systems within the Marine Air Control Group (MACG) designed to provide the ACE Commander with the ability to monitor, supervise and influence the application of Marine aviation's six functions.

Capabilities:

- **Tactical Air Command Center (TACC):**
  Provides the facilities for the ACE commander and the battlestaff to command, supervise, and direct Marine Air Ground Task Force (MAGTF) air operations.
- **Tactical Air Operations Center (TAOC):**
  Principle air defense agency and is responsible for airspace control and management functions.
- **Direct Air Support Center (DASC):**
  Principle air control agency responsible for the direction of air operations in direct support of ground forces.

PM OPFAC Mr. Kevin Holt Theater Battle Management Core Systems (TBMCS)

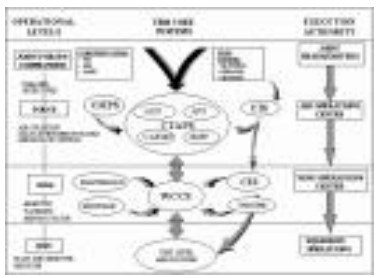


Mission:

Joint Chiefs of Staff mandated air war planning tool for the generation, dissemination and execution of the Air Tasking Order (ATO) and Airspace Control Order (ACO).

Capabilities:

MROC approved AAO (10)



- Commercial Off-the-Shelf hardware, rehosting tactical GOTS software.
- Employed by the Tactical Air Command Center for development of the USMC Direct Support ATO & associated airspace & intelligence products. Direct Support ATO is merged with other component ATO's by the Joint lead for the joint/integrated ATO .
- Remotes provide dynamic updates to the TACC, that are automatically forwarded to the Joint lead for dynamic execution of the ATO/ACO.

- Networking: ***NSA*** approved wireless IP based architecture. Devices in the architecture need to be small, lightweight, operate with low power draw, and incorporate a dynamic routing capability.

- Hardware: COTS-based, highly reliable, little to no required user maintenance, rugged as required. Consider multi-functional capability.

PM OPFAC Mr. Kevin Holt

Mr. John McGough,

Program Manager Radar Systems.

MAGTF C2, Weapons and Sensors Development and Integration

Product Group 11

Radar Systems

Mr. John McGough, Program Manager

PM Radar Systems Mr. McGough

- The Program Manager for MC2I Radar Systems is responsible for total life cycle management of all USMC Air and Ground Radar Systems, excluding Air Traffic Control Systems.

✓ AN/TPS-59	✓ AN/PPN-19	✓ AN/MPQ-64
✓ AN/TPS-63	✓ AN/PPS-15	✓ G/ATOR
✓ AN/TPQ-46	✓ AN/UPS-3	✓ HELRASR

- The USMC plans to migrate all air and ground radar systems towards the capabilities of two future systems, the ***Ground/Air Task Oriented Radar*** (G/ATOR) and the ***Highly Expeditionary Long Range Air Surveillance Radar*** (HELRASR), through technology development, risk mitigation and the phase-out of all legacy systems by 2018.
- Active Industry participation in PM Radar Industry events to ensure the life-cycle sustainment of fielded systems until phased out and the early-on exchange of ideas towards the development of future capabilities.

PM Radar Systems Mr. McGough

Appropriations *	FY 06	FY 06 Supplemental	FY 07
RDT&E	$32.7	$11.0	$55.7
O&MMC	$3.3	unk	$4.4
PMC	$11.5	$44.8	$14.8

(Note*: x $M)

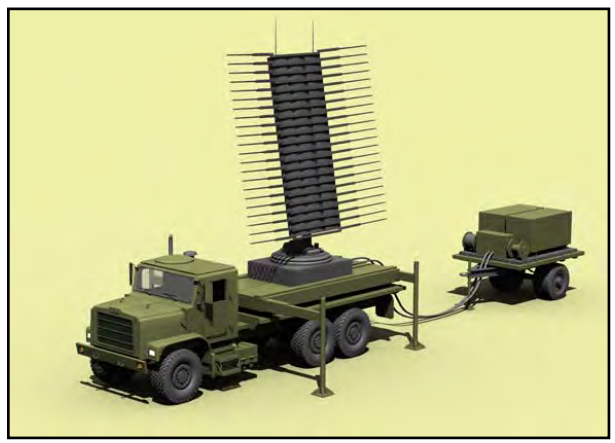
Near-Term Program Initiatives

- ***G/ATOR System Development and Demonstration Contract Award***
  - 3Q/FY06 Contract Award planned
- ***JROC approval of HELRASR CDD***
  - 3Q/FY06 CDD entered into KMDS with USAF
- ***AN/TPS-59 Radar Environmental Simulator***
  - 3Q/FY06 Second Generation System Test
- ***AN/TPQ-46A Radar Processor Upgrade***
  - 4Q/FY06 Yuma Proving Grounds system testing
- ***Phase-out AN/UPS-3 and AN/PPS-15***
  - Seeking Foreign Military Sales interest



Future Program Initiatives

- ***R&D Investment***
  - System Development and Demonstration
    - G/ATOR Increment II (Ground Weapons Location)
    - HELRASR
- ***PMC Investment***
  - G/ATOR Increment I LRIP
  - AN/TPQ-46 Radar Processor
- ***O&MMC Investment***
  - AN/TPS-59 CETS



Open Discussion Topics

- Innovative technology and advanced capabilities for program insertion.
- Teaming with the Multi-Commodity Maintenance Center in Barstow, CA to rebuild AN/TPS-59, AN/TPS-63, and AN/TPQ-46 radar systems.

MC2I PM Radar Systems will field revolutionary, network centric, expeditionary capabilities the Warfighter will deploy in all MAGTF environments.

PM Radar Systems Mr. McGough

LtCol Lew Wood,

Program Manager MC2I Air Defense Weapons Systems.

Air Defense Weapons Systems
Product Group 11

Lieutenant Colonel Lewis E. Wood
Program Manager

PM Air Defense Weapons Systems LtCol Lew Wood

Description: PM manages development, procurement, and life cycle support of all USMC ground-based air defense systems. Two Programs of Record:

- Complementary Low Altitude Weapon System (CLAWS)
  - HMMWV launched AMRAAM
  - Fielding in July, 2006
  - Pre-Planned Product Improvements being pursued in a partnership with the US Army's SLAMRAAM Program Office

-Ground-Based Air Defense (Legacy Stinger Missiles Systems)
  -USMC replacing all Avenger Weapon Systems and existing Man-Portable Air Defense Systems (MANPADS) with "Advanced MANPADS" (A-MANPADS)
  - HMMWV with a ring mount for a crew-served weapon, rack for four Stinger missiles, and associated Stinger gunner equipment
  - Effort under contract and will complete during FY-07
  - Requirements development efforts underway to support POM-10 initiative for a future Short Range Air Defense / Ground Bases Force Protection System

PM Air Defense Weapons Systems LtCol Lew Wood

Appropriations	FY 06	FY 06 Supplemental	FY 07
RDT&E	$12,064,000	$0	$3,062,000
O&MMC	$3,110,000	$0	$3,650,000
PMC	$2,309,000	$12,000,000 (requested for CLAWS missiles)	$7,049,000

Near-Term Program Initiatives

- ***CLAWS***
  - CLAWS Increment 0 completes with fielding of 1 CLAWS Platoon in July, 2006
  - Support of Pre-Planned Product Improvements (Advanced CLAWS) through the US Army's SLAMRAAM contract
- ***GBAD***
  - Remote Terminal Unit (RTU) replacement
  - Stinger Night Sight replacement (PAS-13 MWTS replaces PAS-18)

Future Program Initiatives

- ***R&D Investment***
  - CLAWS: support of US Army SLAMRAAM program
  - GBAD:
    - Anticipated POM-10 initiative based on outcome of current MCCDC requirements development efforts
    - RTU replacement

- ***PMC Investment***
  - CLAWS: In FY-09, begin A-CLAWS procurement
  - GBAD: In FY-07, complete A-MANPADS procurement and procure RTU replacement

- ***O&MMC Investment***
  - Sustainment of CLAWS and A-MANPADS

Open Discussion Topics

- ***Future Short Range Air Defense / Ground Force Protection capability (Missile, Gun, etc.)***

LtCol Frank Kelley,

Program Manager MC2I Unmanned Systems.

MC2I PM Unmanned Systems (PM US)

LtCol Frank Kelley

Unmanned Aircraft System (UAS) Family of Systems (FoS)

- Provide each level of the MAGTF a "tactical" organic, interoperable, integrated and tailored capability that gives SA to the warfighter through a common C2 architecture across the range of military operations.
  - Tier I:
    - Dragon Eye Operational in OIF
    - Block I Upgrade IOC 2008
  - Tier II:
    - In Concept Refinement Phase
  - Tier III:
    - Pioneer Operational in OIF
    - VUAV at Concept Decision
  - FoS Concept:
    - Common Ground Control Station and Remote Receive Stations
    - Common Architecture, Standards, and Interfaces for Product Dissemination
  - OIF Support:
    - ISR Services Contract and Follow-on Competitive ISR Services Contract
    - Remote Receive Stations

PM Unmanned Systems — LtCol Frank Kelley

Appropriations	FY 06	FY 06 Supplemental	FY 07
RDT&E	$1.2M		$0.5M
O&MMC	$3.1M		$4.4M
PMC	$13.3M	$7.2M	$6.1M

Near-Term Program Initiatives

- Tier I
  - Next Generation/Block I Upgrade
- Tier II
  - Program of Record (PoR) Development
- Tier III
  - Improved Pioneer Sustainment Initiatives
- FoS
  - Development of common ground control station in conjunction with Tier II PoR and MAGTF C2 PoR

Future Program Initiatives

- FoS interoperability with MAGTF C2:
  - Sensor to Shooter Connectivity
  - Decrease Kill Chain Latency
  - Improved Data Dissemination and Sharing
- UAS improvements:
  - Heavy Fuel Engine
  - Modular Payloads (Plug and Play)
  - New Payload Technology Development
  - TCDL Standardization and Improvements

Open Discussion Topics

- **Joint UAS Material Review Board**
- **Joint UAS Center of Excellence**
- **MCWL User Demonstration**
- **OSD UAS Roadmap**

Armor and Fire Support Systems
Product Group 14
Overview

Mr. Robert Williams, Jr., Product Group Director

To equip operating forces with assault amphibious vehicle systems, fire support systems, a high mobility artillery rocket system, an expeditionary fire support system and tank systems to accomplish their war-fighting mission.

Through the use of Portfolio Management (PfM), AFSS manages its portfolio of programs in a coordinated, strategic fashion that maximizes the combat capabilities to the Operating Forces.

AFSS Programs

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 (EFSS/ITV)

PM Tank Systems

Armored Vehicle Driver Vision Enhancement
M1A1 Firepower Enhancement
M1A1 Safety Modification Program
M1A1 Tank Sustainment Program
M88A2 Hercules Tank Recovery Vehicle

PM AAVS

RAM/RS Program
AAV Modification Kits
Foreign Military Sales

PM HIMARS

High Mobility Artillery Rocket System
Guided Multiple Launch Rocket System Rockets
Marine Corps Transparent Armor Gun Shield

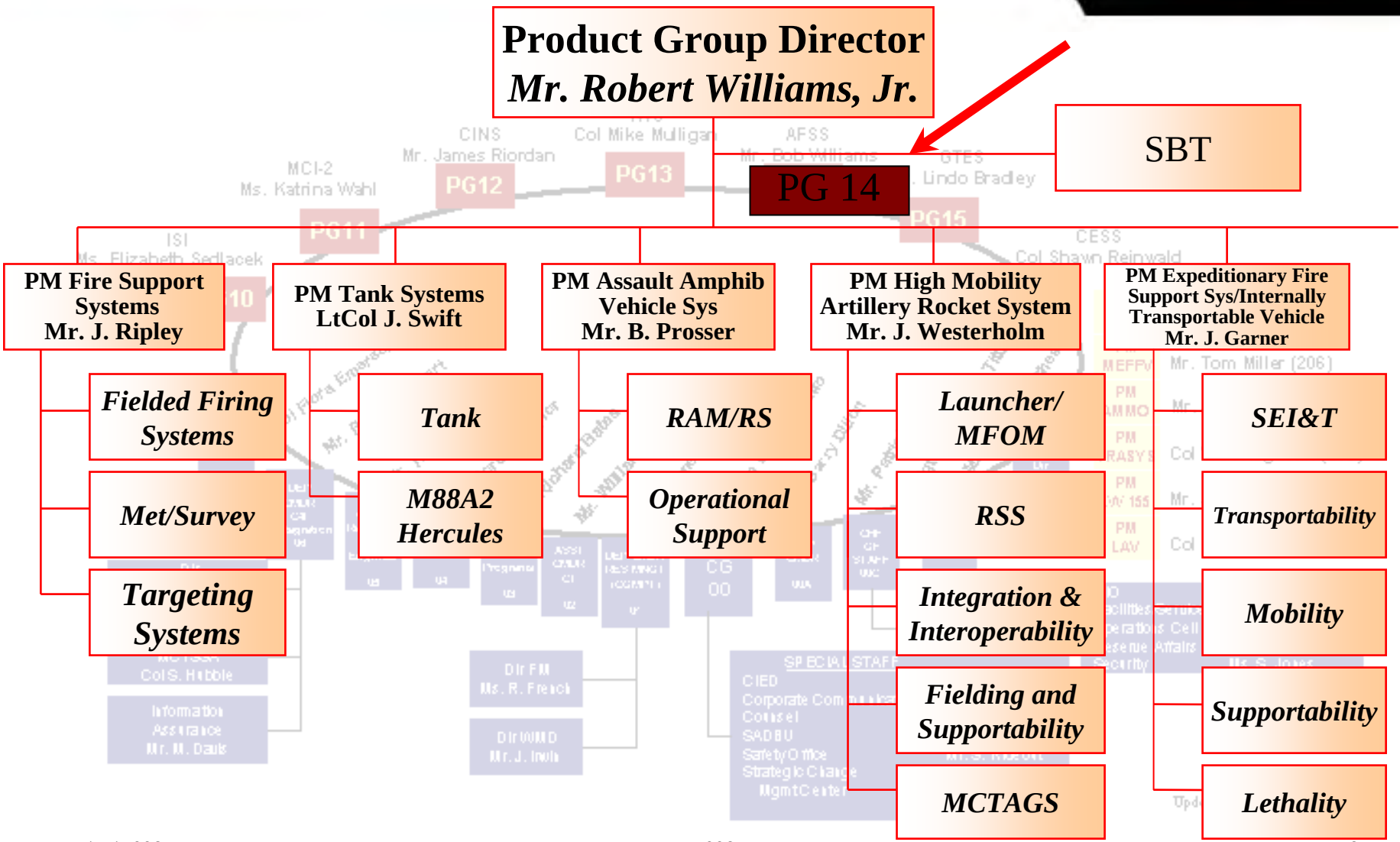
Product Group Principals:

PM FSS: Mr. James Ripley	703-432-4323
PM TANKS: LtCol John Swift	703-432-4325
PM AAVS: Mr. Bryan Prosser	703-432-4321
PM HIMARS: Mr. Jim Westerholm	703-432-4204
PM EFSS: Mr. John Garner	703-432-3258

Strategic Business Team:

Business Manager: Mr. Sushil Baluja	703-432-4253
Lead Engineer: Mr. Edward Lerner	703-432-4259
Lead Logistician: Mr. Jeffrey Gibbs	703-432-4272
Lead Financial Manager: Mr. Jeffrey Speer	703-432-4274
Contracts Manager: Mr. Edwin Wright	703-432-4284
Technologist: Mr. Craig Melton	703-432-3492

Appropriations	FY 06	FY 06 Supplemental	FY 07
RDT&E	16.883		15.660
O&MMC	7.110	20.750	9.509
PMC	235.	193.316	138.346


Product Group Director
Mr. Robert Williams, Jr.
SBT
PG 14
PG12
PG13
PG11
PG15
PM Fire Support Systems
Mr. J. Ripley
PM Tank Systems
LtCol J. Swift
PM Assault Amphib Vehicle Sys
Mr. B. Prosser
PM High Mobility Artillery Rocket System
Mr. J. Westerholm
PM Expeditionary Fire Support Sys/Internally Transportable Vehicle
Mr. J. Garner
Fielded Firing Systems
Met/Survey
Targeting Systems
Tank
M88A2 Hercules
RAM/RS
Operational Support
Launcher/ MFOM
RSS
Integration & Interoperability
Fielding and Supportability
MCTAGS
SEI&T
Transportability
Mobility
Supportability
Lethality

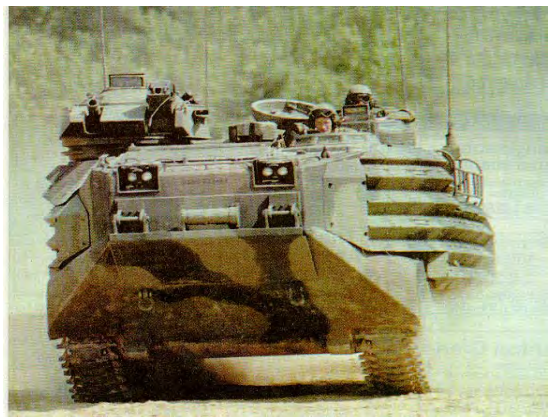
Next….Mr. Bryan Prosser

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

Mr. Bryan Prosser, Program Manager

Develop, demonstrate, procure, field, provide life-cycle support and maintain safe, reliable and cost efficient Assault Amphibious Vehicle Weapon Systems for USMC Forces







PM Assault Amphibious Vehicle Systems Mr. Prosser

RAM/RS Team

- RAM/RS Program
- IROAN Planning/Execution
- OIF Support
- AAV Disposal Planning
- Foreign Military Sales

Operational Support Team

- M36E3 Sight Upgrade
- AAVC7A1 Upgrade
- EAAK Reprocurement
- Various ECPs/Modifications (i.e., DAGR integration, tow pintle replacement)
- Torsion Bar replacement
- OIF Lessons Learned

- AAV7A1 originally fielded in 1972-1975 will remain in USMC inventory until fully replaced by the EFV in 2020.
- With industry support, PM AAVS must maintain the capabilities of the AAV FOV in support of fleet needs.

PM Assault Amphibious Vehicle Systems Mr. Prosser

Appropriations	FY 06	FY 06 Supplemental	FY 07
RDT&E	$769K		$807K
O&MMC	$449K	$14.2M	$449K
PMC	$20.8M	$58.1M	$12.5M

Near-Term Program Initiatives

- ***UGWS M36E3 Sight Upgrade***
  - 3Q/FY06 - RFP release for open competition
- ***AAVC7A1 Capability Upgrade Demonstration***
  - FY06 – Demonstrate ability to integrate EFV(C) capability into the AAVC7A1
- ***Counter IED System Integration***
  - FY06 – Integration of selected system onto AAV FOV

Future Program Initiatives

- ***R&D Investment***
  - FY08-09 - AAV Capability Enhancement Studies (POM-08)
  - FY08-09 - AAVC7A1 Upgrade (POM-08)
  - FY08-10 - UGWS Thermal Sight Integration (POM-08)

- ***PMC Investment***
  - 4Q/FY09 – FY12 - AAVC7A1 Upgrade (POM-08)
  - FY10-12 - UGWS Thermal Sight Procurement (POM-08)

NEXT….Mr. John Garner, Program Manager, EFSS/ITV

Armor and Fire Support Systems
Product Group 14
Expeditionary Fire Support Systems/Internally Transportable Vehicle

Mr. John Garner, Program Manager

PM Expeditionary Fire Support System/Internally Transportable Vehicle Mr. Garner

Description

- EFSS will be the principal indirect fire support system of the vertical assault element of a Ship-To-Objective-Maneuver (STOM) force
  - 66 EFSS - 2 Mobility Platforms (PM), 120mm RTM, Ammunition, and Trailer
- ITV will provide a deployed Marine Air-Ground Task Force (MAGTF) and Marine Expeditionary Unit - Special Operations Capable (MEU-SOC) with a vehicle that is internally transportable in selected rotary and fixed wing aircraft
  - 496 Light Strike Variants & 50 Utility Variants
- IOC 2nd Qtr FY07

LSV **PM-W** **PM-T**





PM Expeditionary Fire Support Sys/Internally Transportable Vehicle Mr. Garner

EFSS

Appropriations	FY06	FY06 Supplemental	FY07
RDT&E	$6.9	$0	$4.0
PANMC	$5.6	$0	$15.9
PMC	$5.6	$0	$7.4

ITV

Appropriations	FY06	FY06 Supplemental	FY07
RDT&E	$0*	$0	$0
OMMC	$0.1	$0	$1.2
PMC	$3.6	$51.8	$2.8

*$5.5M FY05 funding deferred to FY06

Near-Term Program Initiatives

- ***EFSS LRIP Decision - June 2006***
- ***ITV LRIP Decision – June 2006***
- ***Combined EFSS/ITV OT&E – October thru December 2006***

Future Program Initiatives

- ***R&D Investment***
  - Armor (underway)
  - Precision Extended Range Munition (TBD)
  - Digital Communications (FY07 – FY08)
  - Onboard Ballistic Computation (FY07 – FY08)
- ***PMC Investment***
  - Procure Armor Kits (FY2007)

Open Discussion Topics

- ***GD-OTS Prime Contract but many opportunities for subs to participate – Current Examples***
  - *Air Ride Technologies*
  - *General Motors Transmissions (Power Train)*
- ***Future – Armor development in process***

NEXT….Mr. James Ripley, Program Manager, Fire Support Systems

Armor and Fire Support Systems

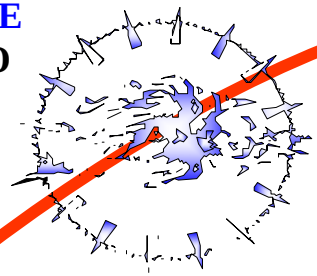
Product Group 14

Fire Support Systems

Mr. James Ripley, Program Manager

4
ACCURATE
MET INFO

- *MSG Upgrade*
- *AFWA*



- *IPADS*
- *AIMING CIRCLES*

2
ACCURATE
BATTERY
LOCATION



- *M-198*
- *EFSS*
- *LW155*
- *HIMARS*



- *GCFS*
- *CLRF*
- *GLTD II*
- *JETS*
- *AN/TPQ-46A+*
- *G/ATOR*
- *LCMR*



- *PIAFS*
- *EPIAFS*
- *MOFA*
- *MACS*
- *ACAAP*
- *EXCALIBUR*

1
ACCURATE
TARGET
LOCATION





5
ACCURATE
COMPUTATIONAL
PROCEDURES



- *LHMBC*
- *GDU-R*

3
ACCURATE
MVV/AMM
O DATA

- *M-94 UPGRADE*

TAP
CRAM

PM Fire Support Systems Mr. Ripley

- Survey/Met Team
  - Ground Counter Fire System (GCFS/HALO)
  - Improved Position and Azimuth Determining System (IPADS)
  - Lightweight Handheld Mortar Ballistic Computer (LHMBC)
  - Marine Artillery Survey Set (MASS)
  - Met Systems (Upgrades, Profiler, AFWA Access)
- Fielded Firing Systems
  - M198 Phase Out and LW155 Fielding Support
  - Aiming Circles FY 05-12
  - Munitions (MOFA, PIAFS, EPIAFS, MACS, Excalibur, ACAAP)
  - System Information Tool (SIT)/Autonomic Logistics
  - Gun Display Units (GDU)
  - Miscellaneous Ancillary (SL-3) Support
- Targeting Systems
  - Common Laser Range Finder (CLRF)
  - Laser Target Designators (LTD)
  - True North Azimuth Detection System (TNADS)
  - Joint Effects Targeting System (JETS)

With the exception of JETS, which is a POM 08 issue, all the listed FSS programs are underway.

Need help :

1. **Refreshing existing hardware with better technology**
2. **Collecting data to track and trend system performance**

PM Fire Support Systems Mr. Ripley

Appropriations	FY 06	FY 06 Supplemental	FY 07
RDT&E	$4.595	$00.00	$4.146
O&MMC	$2.236	$.950	$3.049
PMC	$11.552	$32.116	$30.963

Near-Term Program Initiatives

Targeting Systems; Laser Designators and Range Finders

- **Need to reduce weight across the board**
- **Need to reduce Target Location Error (TLE) and be unaffected by magnetic fields**

Integrating the Systems Information Tool (SIT) to collect RAM data for computing

$$A_O = \frac{MTBF}{MTBF + MTTR + MLDT}$$

Integrate Air Force Weather Assessment model as meteorology input to artillery fire control.

Instrument howitzers to track Effective Full Charges (EFC), Miles and terrain towed, Recoil Condition.

Future Program Initiatives

- *R&D Investment*
  - Joint Effects Targeting System (JETS FY 08-10)
- *PMC Investment*
  - JETS or replacement/refresh LTD/LRF FY 10-12
- *O&MMC Investment*
  - Develop PBL for all systems FY 08 and out.

Open Discussion Topics

- *AFWA Employment*
- *A_O data to track and trend all systems.*
- *Howitzer Sensors*
- *Targeting System Weight Reduction and Performance Improvement*

NEXT….Mr. James Westerholm, Program Manager, HIMARS

Armor and Fire Support Systems

Product Group 14

High Mobility Artillery Rocket System (HIMARS)

Mr. James Westerholm, Program Manager

PM High Mobility Artillery Rocket System Mr. Westerholm

Description: PM HIMARS has two programs in its portfolio; the USMC HIMARS and the Marine Corps Transparent Armored Gun Shield (MCTAGS). PM HIMARS is responsible for the complete life-cycle management of the USMC HIMARS and MCTAGS; including developing, testing, fielding, sustaining, and planning for disposal of the systems



USMC HIMARS



MCTAGS

- ***USMC HIMARS is in Full Rate Production***
  - First Battery (F 2/14) fielded 1Q/06
  - Initial Operational Capability (1 Battalion) planned 3Q/08
  - Full Operational Capability (2 Battalions & Supt Establishment) planned 3Q/10
- ***MCTAGS in Full Rate Production***
  - Currently fielding urgent need to II MEF in support of Global War on Terrorism
  - Complete fielding 4Q/06

PM High Mobility Artillery Rocket System Mr. Westerholm

Appropriations	FY 06	FY 06 Supplemental	FY 07
RDT&E	$4.083	$0	$6.179
O&MMC	$2.882	$0	$3.220
PMC	$147.483	$30.000	$58.320

Near-Term Program Initiatives

- ***Procure HIMARS Systems***
  - 18 system in FY06
  - 6 systems in FY07
- ***Procure Guided Multiple Launch Rocket System (GMLRS) Rocket Pods***
  - 486 rockets in FY06
- ***Field MCTAGS AAO in FY06***
  - 4Q/06 - Fielding Completed
- ***Field Active HIMARS Battalion (5/11)***
  - Begin fielding 2Q/07

Future Program Initiatives

- ***R&D Investment***
  - Technology Insertion of HIMARS System and Munitions throughout FYDP
- ***PMC Investment***
  - Procure Remaining HIMARS Systems in FY08/09
  - Continue Procurement of GMLRS Rocket Pods throughout FYDP
  - System/Capability Upgrades throughout the FYDP
- ***O&MMC Investment***
  - Sustainment of fielded HIMARS systems

NEXT….LtCol John Swift, Program Manager, Tank Systems

Armor and Fire Support Systems
Product Group 14

Tank Systems

LtCol John Swift USMC, Program Manager

PM Tank Systems LtCol John Swift

Develop, demonstrate, procure, field, and provide life cycle support for the Main Battle Tank, Improved Recovery Vehicle and the Armored Vehicle Launched Bridge in support of the MAGTF.







PM Tank Systems LtCol John Swift

Appropriations	FY 06	FY 06 Supplemental	FY 07
RDT&E	$.536	$0	$.528
O&MMC	$1.443	$5.6	$1.222
PMC	$45.964	$21.3	$26.363

Near-Term Program Initiatives



- ***Field FEP Systems to OIF and MPF***
  - –26 system in FY06 to OIF
  - –116 systems in FY06/7 to MPF
- ***Install Safety Upgrades***
  - –UTCP
  - –Ammo Door Pins
  - –QD Relocate
- ***Apply OIF Modifications***
  - –Multi-purpose Tank Blade
  - –T/I Phone
  - –M829A3/Canister Card

Future Program Initiatives

- ***R&D Investment***
  - –Technology Insertion for Digital Architecture and Improved Automotive Reliability
- ***PMC Investment***
  - –Procure Fleet Wide assets for OIF Configuration
  - –System/Capability Upgrades throughout the FYDP
- ***O&MMC Investment***
  - –Continued Sustainment of fielded Tank Systems

PM Tank Systems LtCol John Swift

Open Discussion Topics





Future Tank Systems Improved Reliability and Sustainability through 2025

The purpose of this initiative is to conduct lifecycle modernization and support planning for the M1A1 tanks. The result of this planning will be an acquisition strategy addressing incremental technical insertion for tank systems modernization. This systematic acquisition planning approach shall ensure continued combat overmatch capability of the M1A1 tanks through their remaining lifecycle in a cost effective manner, until fielding of a replacement system (2025+). The acquisition strategy developed shall address modernization requirements in terms of survivability, sustainability, lethality, maintainability, and C4I.

Questions?

