



SPAWAR Industry Executive Network June 28, 2010

Statement A: Approved for public release; distribution is unlimited (25 June 2010)

**Information Dominance
Anytime, Anywhere...**





Agenda

- | | |
|--------------------|--|
| 1500– 1515 | Kickoff and Welcome Remarks
Ken Slaght and RADM Jerry K. Burroughs, PEO C4I |
| 1515 – 1530 | PMW 160 -- Capt. D.J. LeGoff |
| 1530 – 1545 | PMW 130 -- Capt. Don Harder |
| 1545 – 1555 | BREAK |
| 1555 – 1600 | Brief Announcement -- Henry O. Johnson, CSC |
| 1600 – 1620 | PMW 740 -- Steve Bullard |
| 1615 – 1630 | PMW 790 -- Ruth Youngs Lew |
| 1630 – 1700 | Wrap-up and Question & Answer -- Ken Slaght |
| 1700 - 1800 | Social Hour |



**Program Executive Office
Command, Control, Communications,
Computers and Intelligence (PEO C4I)**

SPAWAR Industry Executive Network

PEO C4I Overview

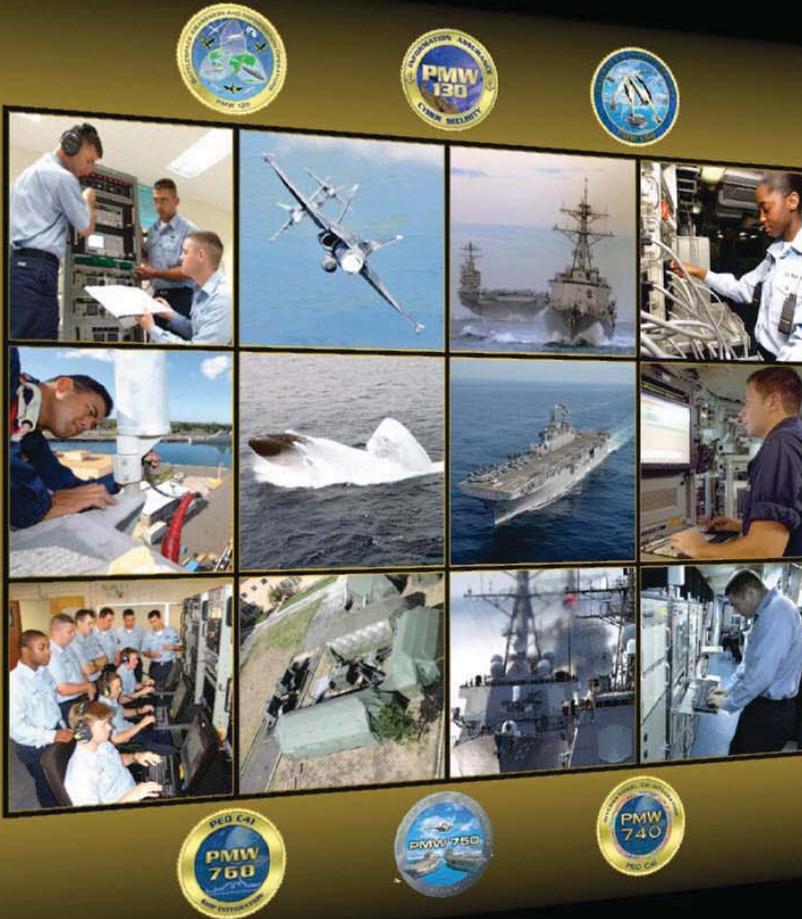
**28 June 2010
RDML Jerry K. Burroughs
PEO C4I
858-537-8779
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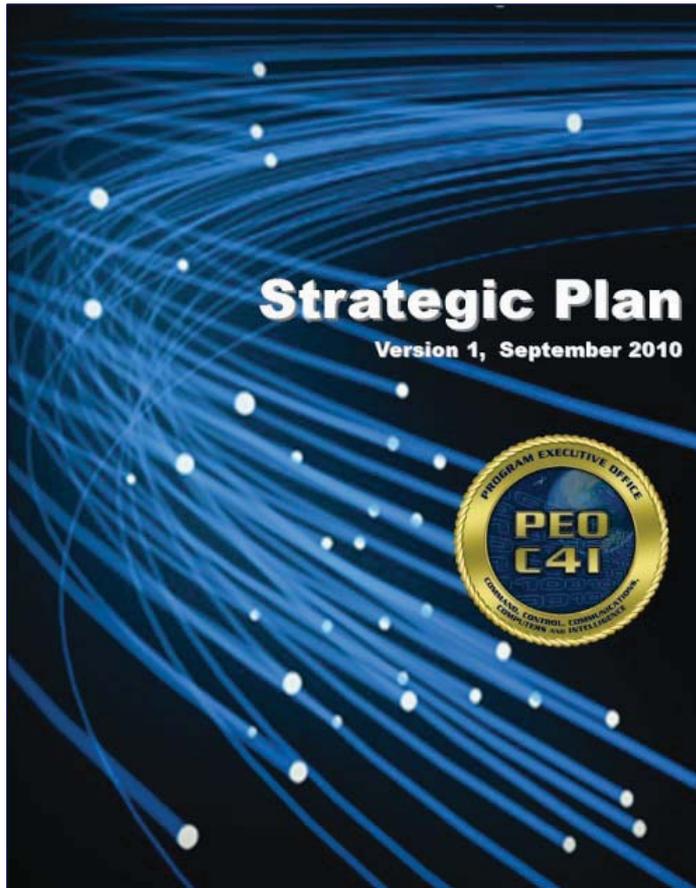
Mission



Provide integrated communication and information technology systems that enable Information Dominance and the command and control of maritime forces



FY11 Strategic Planning



- **MINIMIZE COST, DELIVER CAPABILITY**

Minimize total ownership cost, while delivering integrated C4I capabilities

- **RAPID CAPABILITIES TO THE WARFIGHTER**

Foster focused innovation to rapidly field relevant capabilities to meet existing and emerging Warfighter needs

- **DEVELOP WORKFORCE, ACHIEVE EXCELLENCE**

Develop an aligned, agile workforce equipped to achieve acquisition excellence in a dynamic environment



Shaping the Portfolio

- **Communications**

MILSATCOM, Commercial SATCOM, Tactical Comms

NMT, GBS,
CBSP, DMR,
JTRS

- **Networks**

ISNS, SubLan, CENTRIXS, ADNS Inc II, SCI LAN, etc.

CANES
ADNS Inc III

- **Applications**

SSEE, DCGS-N, GCCS-M, OOMA, OIMA, NCTSS Patriot, etc.

DCGS-N Inc II
Joint C2 Portfolio
NCTSS (OA)

'Necking Down' the portfolio is a priority



Workforce

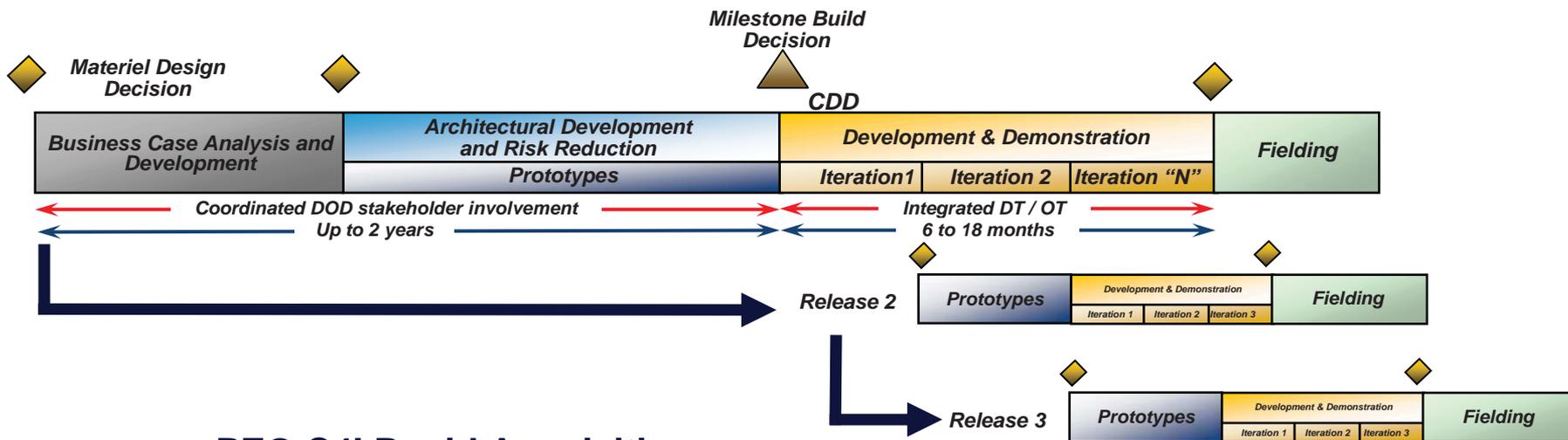


- **Skilled, diverse workforce**
- **Stronger link to SSC recruitment cycle**
- **Make PEO C4I a highly desirable workplace**
- **Reward, recognize, and incentivize**



Rapid Acquisition

Speed and Agility



PEO C4I Rapid Acquisition:

- **Maritime Domain Awareness (MDA)** - delivered initial capability of SECNAV-directed special project in 13 months.
 - **Non Classified Enclave (NCE)** – pilot program to allow communication with non-traditional partners – QRA/IOC achieved in 6 months
- **Rapid Deployment Capabilities (RDCs)** - executed 4 RDCs, averaging 13 months from designation to delivery
 - **S&T injection of capability into GATE process** – Leveraging ONR FNC (XCOP) to accelerate GCCS-M 3.X retirement, resulting in \$37.5M in cost avoidance

Improving Output over Cost

- Common infrastructure allows us to more rapidly iterate capabilities
- Incremental approach = reduced risk + accelerated delivery
- Leveraging Joint/COTS products = reduced R&D costs



How Industry Can Help

- Ways to deliver more capability for less
- Innovative solutions to reduce TOC
- Realistic proposals
- Execute, Execute, Execute

Fortes Fortuna Adiuuat -- Fortune Favors the Bold



**Program Executive Office
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SPAWAR Industry Executive Network

PMW 160 Tactical Networks

28 June 2010
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***Information Dominance
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Agenda

- PMW 130/160 Reorganization Update
 - Programs and Services
- Evolution of Tactical Networks
- Current/Future Business Opportunities
- Summary



PMW 130/160 Reorganization



Official Stand Up
Effective 7-21-10



- **Vision:** Secure information networks and information systems to enable information dominance anytime, anywhere...

- **Mission:** Provide information assurance products and cyber security services to enable warfighter mission success

The IA Program Office

- **Vision:** Secure, reliable information networks to enable information dominance anytime, anywhere

- **Mission:** Provide and support networks to enable warfighter mission success

The LAN / WAN Program Office



PMW 130 & 160 Programs/Services

PMW 130 IA & Cyber Security

Crypto & Key Management

- Crypto Modernization
 - Crypto Voice
 - Crypto Data
- Crypto Products & Sustainment
- Electronic Key Management System/ Key Management Infrastructure
- Public Key Infrastructure

Network Security

- Computer Network Defense
 - Afloat
 - Ashore
 - Security Management
 - DIACAP Automation
- NMCI/NGEN Information Assurance
 - Network Security Integration
 - Radiant Mercury
- Ports & Protocols/Network Security
- Information Assurance Services

PMW 160 Tactical Networks

Network Services & Transport

- Automated Digital Network System (ACAT II)
 - Video Information Exchange System
 - Wireless Reach Back System
 - Operating Environment
- Application Integration / Early Adopters
 - Product and System Approval
- Common Computing Environment
 - Afloat Core Services
 - PC Workstations

Network Systems

- Consolidated Afloat Networks and Enterprise Services (CANES) – (ACAT I)
- Integrated Shipboard Network System (ISNS) – (ACAT II)
- Submarine Local Area Networks (SUBLAN) – (ACAT III)
 - CENTRIXS-M - (ACAT III)
- Sensitive Compartmented Information Networks- (ACAT III)
 - Patrol Coastal Network
- Maritime Operation Center (MOC) Networks

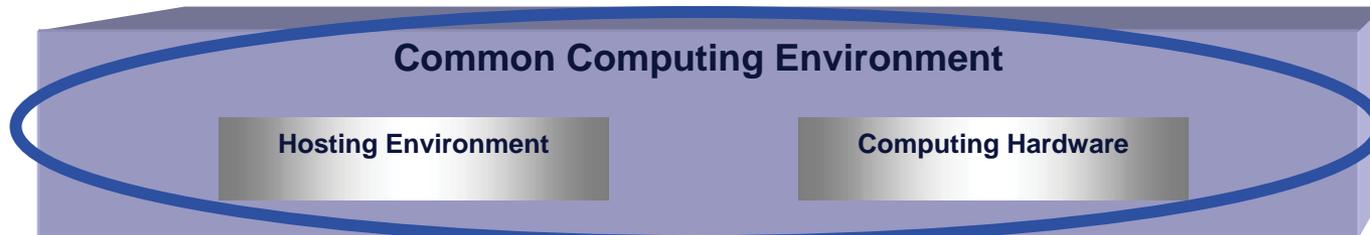


PMW 160 Capability Portfolio

“What We Do”

* Aligned to Navy Technical Reference Manual (NTRM)

User Groups





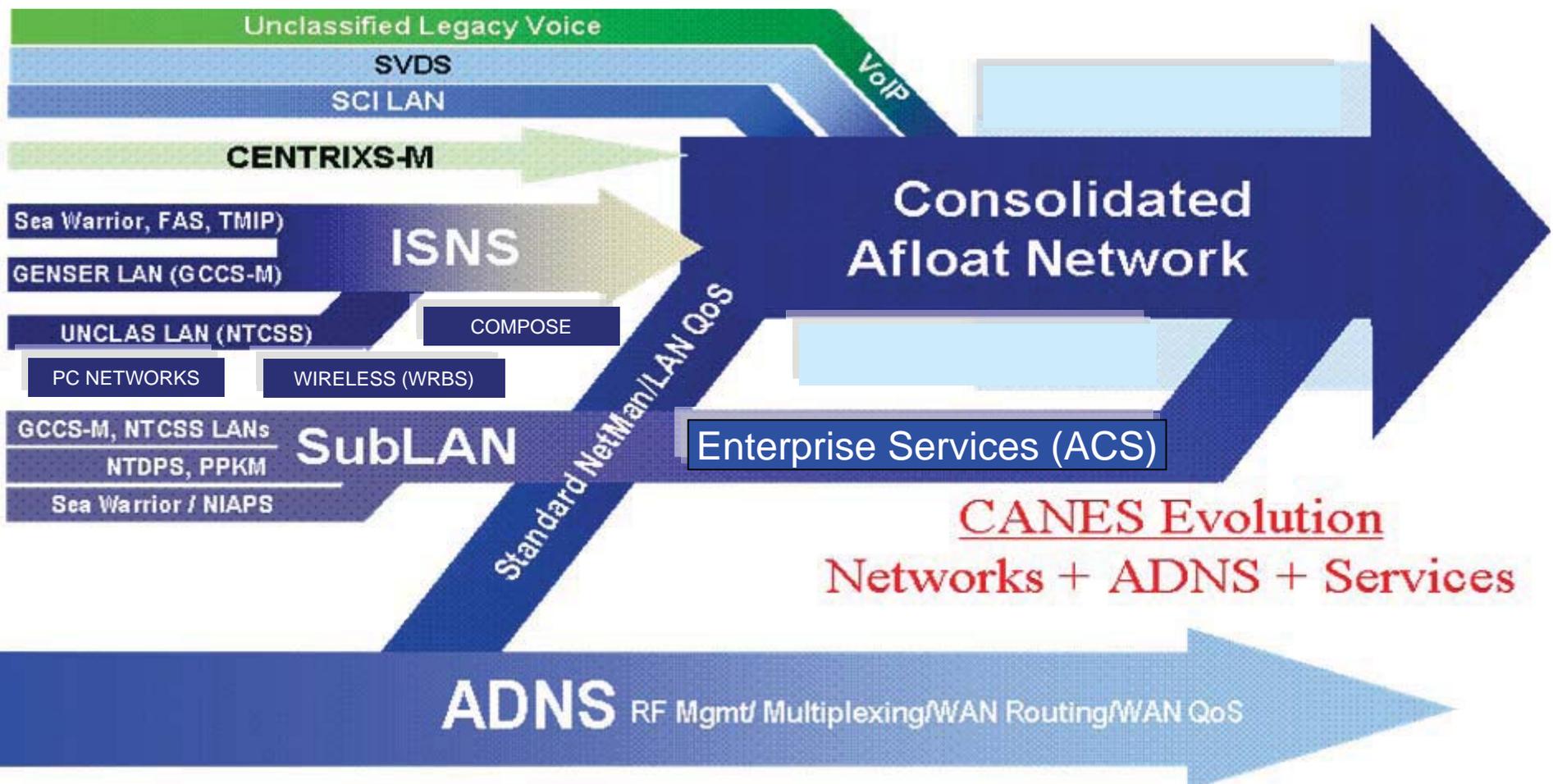
Evolution of Tactical Networks

New Landscapes, New Opportunities

TODAY



TOMORROW





Tactical Networks Business Opportunities

Future Contract Awards

- CANES Limited Deployment (LD) Contract Award (Q4-FY11)
Total Value: \$775M-\$937M depending on Vendor Selected/Options
- CANES Full Deployment Contract Award (~Q3-FY12)
Total Value: \$1B+
- ADNS INC III Consolidated Contract Award (~Q3-FY11)
Total Value: TBD
- Afloat Core Services (ACS) – Total Value: TBD Note: **As of now, SSC LANT is Contract Lead

Follow-On Opportunities

- Common Afloat LAN Infrastructure (CALI) (Awarded Q3-FY10 -- Total Value: \$502M if All Options Exercised) – Multiple Award Contract (MAC)// Awardees: GDIT (Team Lead); SAIC; and LMCO
 - Individual Task Orders will be competed amongst CALI MAC holders



Summary

- PMW 130/160 will officially reorganize 21 July 10
- Our strategic imperative is to streamline reduction of legacy networks while maximizing Standardization, Commonality, and Interoperability across the Navy C5ISR Enterprise
- CANES and ADNS will be the vehicles to ensure that data is visible, accessible, understandable, trusted, timely, interoperable, and responsive to all user group needs

Tactical Networks (PMW 160) looks forward to working with our industry partners to make this future vision a reality for the warfighter



**Program Executive Office
Command, Control, Communications,
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SPAWAR Industry Executive Network

PMW 130 Information Assurance and Cyber Security

**28 June 2010
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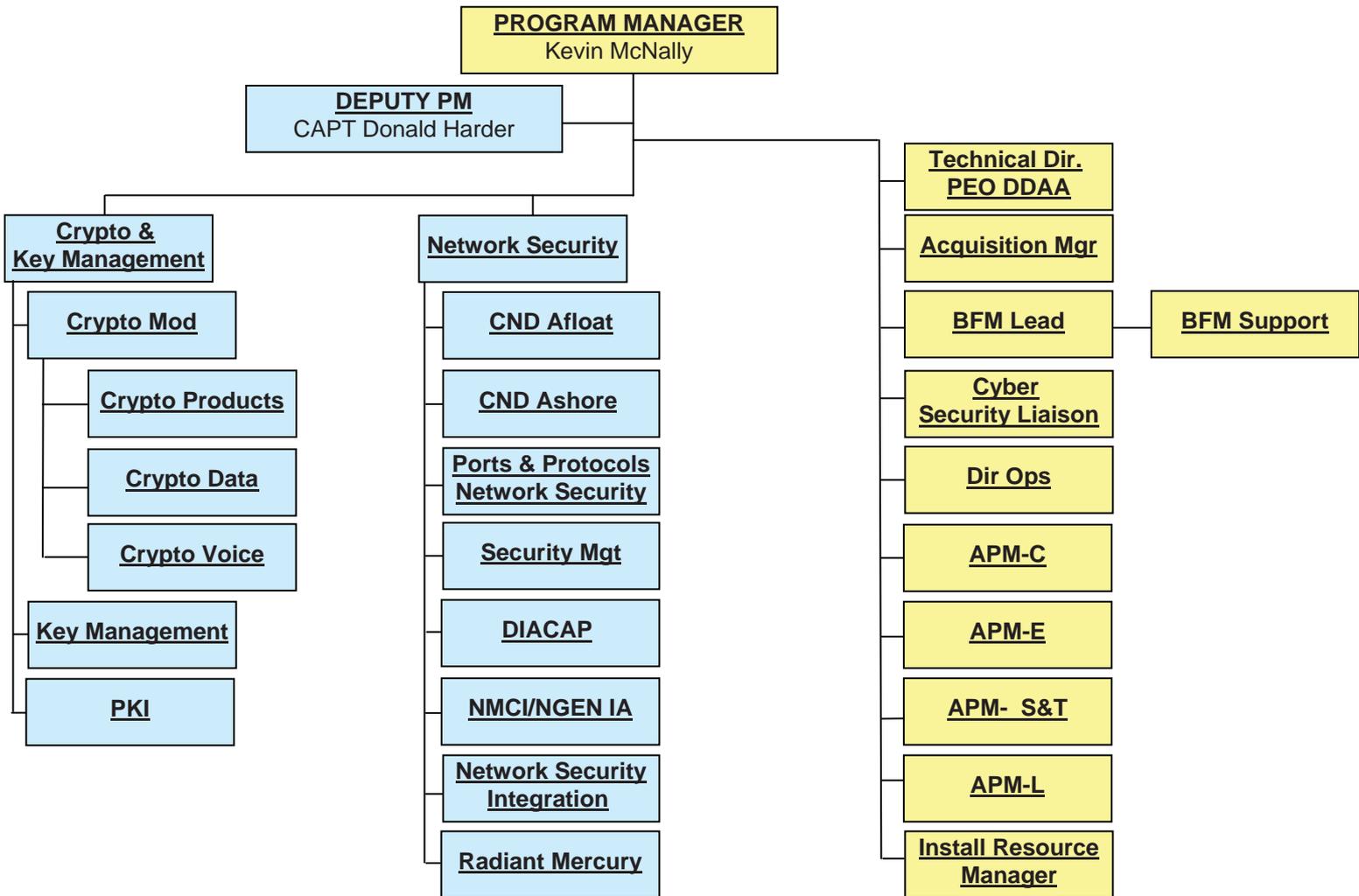
Agenda

- **PMW 130 IA Roles and Responsibilities**
- **Organizational Chart**
- **The Threat**
- **Where We Are Now: IA Products & Services**
- **Where We're Going: Future Capabilities**
- **Points of Contact**



PMW 130

Information Assurance and Cyber Security



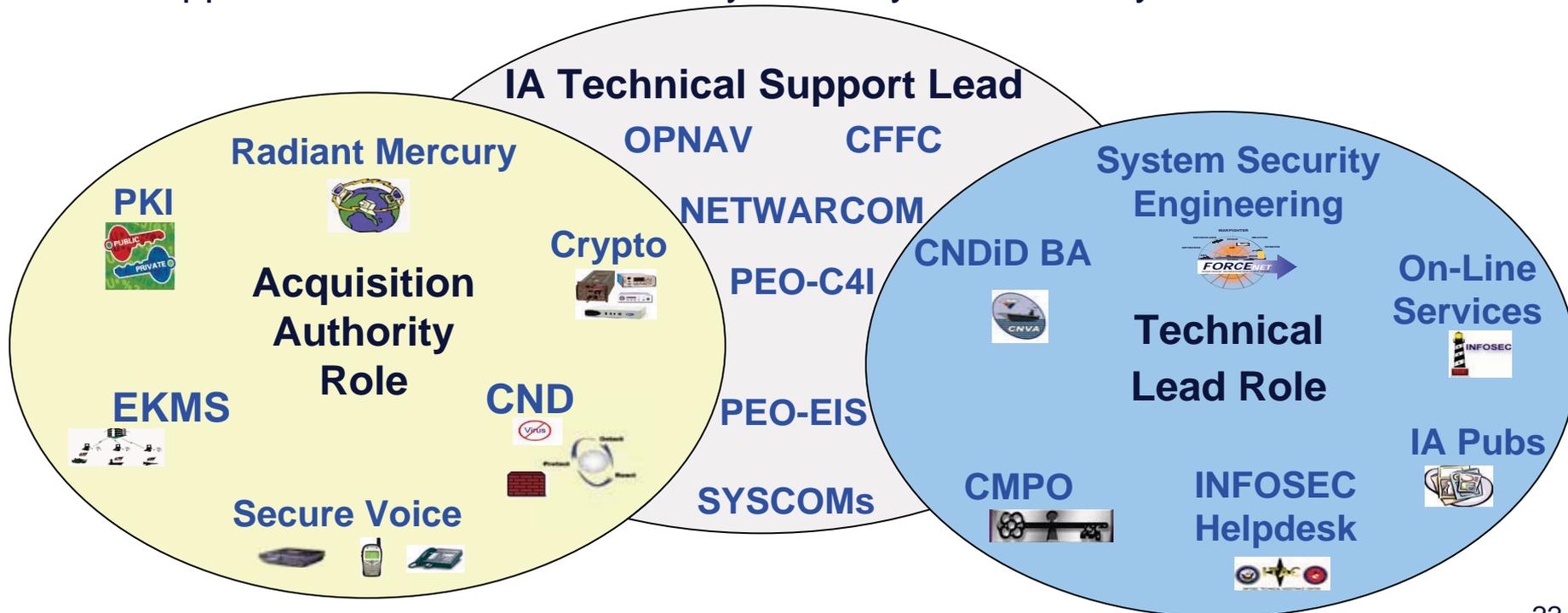


IA Overview

Roles & Responsibilities

- **Captured In OPNAVINST 5239.1C, Navy IA Program:**

- Serve As Technical Lead for Navy IA
- Provide Systems Security Engineering and Integration Support for All DON Information Systems with IA Requirements
- Budget for DON IA Programs
- Develop and Acquire Standard and Specified IA Products
- Support the Certification Authority for Navy GENSER Systems





Threats to Navy Networks

Threats to our information and information systems continue to increase...

External Threats

- Hostile Eavesdroppers
- Hacker Penetrations
- Viruses & Malicious Code
- Modification of Data in Transit
- Session or Resource Hijacking
- Jamming or Denial of Service
- Spoofing & Rerouting Attacks
- Theft of Information, Keys, or Authenticating Information
- Close Access Modification of Systems or Components
- Hostile Penetration
- Social Engineering

Motivations

- Access
- Challenge
- Theft
- Alteration
- Destruction
- Exploitation
- Degradation

Perpetrators

- Hackers
- Criminals
- Employees
- Terrorists
- Foreign Agents

Internal Threats

- Malicious Insiders
- Insiders Manipulated by Others
- Security Flaws in COTS Products
- Theft of Information, Keys, or Authenticating Information
- Leaks of Classified/Sensitive Data
- Inadvertent Release of Data
- User Configuration Errors
- Improper Security Practices
- One Compromised Site Compromising Others
- Outsider attacks which appear as insider attacks



Cryptographic & Key Management Products & Services

Crypto

- **Voice**
 - STE, VACM, VIPER, SWT
- **Data**
 - KIV-7M – Link & Trunk encryptor for INMARSAT, JWICS, GCCS-M, etc.
 - KG40-AR - Link 11
 - KG-175 IP network encryptors (HAIPE)



Crypto Modernization

- **Immediate Focus:**
 - Nuclear Command & Control - NOVA
 - KG-3X (MS C 3Q10) - MEECN
 - KG- 45A - Hawklink
- **Legacy Reduction**
 - 2004: 662K devices
 - 2009: 480K devices (27%less)



EKMS

- **Phase 5 Provides:**
 - Modern Key Capabilities
 - Net-Centric Architecture-Key Pull
 - Modern Key Fill devices
 - Training Provided Via CBT/Online Interactive Technical Manual (IETM)



PKI

- **Secure infrastructure for:**
 - Generation, Management, and Delivery of Digital Certificates
 - Secure email; strong authentication
 - CAC; RAPIDS; NCVI; SC Readers; MW





Computer Network Defense (CND)

CND Afloat

- **Conduct manual IA Readiness Assessments**
 - Verify ships networks are operating securely
 - Review security management and documentation
- **Provide training assistance**
 - Vulnerability risk mitigation support during CNDiDBA
 - IT-21 toolset applications
 - Password management (computers, routers, printers, etc.)
- **Use commercial scanning tools to actively identify system vulnerabilities present on Fleet Networks**

CND Ashore

- **Protect**
 - Created DMZ to protect outward facing websites
- **Monitor, Detect, Analyze**
 - Combined network management and security management capabilities to obtain the common operational picture within the NETOPS CONOPS
 - Perfected trouble ticketing/ incident management process to evaluate and validate security incidents/ events that occurred within networks
 - Deploying Host Based and Network Based Security capabilities
 - Verify networks are operating securely
 - Review security management and documentation



Future Capabilities

- **PKI**

- **Secure Coalition/Allied Information Sharing and Secure e-mail**
- **SIPRNet PKI using hardware token (Smart Card)**

- **CND**

- **Comprehensive IA “Situation Awareness” Suite at shore NOC**
- **Unit-level prevention, detection, remediation end-to-end**

- **Crypto**

- **Improved voice quality with faster secure data**
- **Improved SATCOM call success**
- **New secure cellular capability**

- **Emerging Initiatives**

- **Intelligent Access Control Systems (using physical attributes)**
- **Secure web-based technologies (ubiquitous access to data)**

Speed-to-Capability: Delivering products faster, with more innovation



Summary

- **We Are Here to Focus Effort on IA**
 - **Committed to building and supporting strong and integrated CND, Crypto, & Key Management capabilities**
 - **Need timely, innovative solutions to stay ahead of Fleet threats**
 - **Dedicated to Continuous Process Improvement to improve acquisition of IA Products and Services**

INFOSEC Help Desk: (800) 304-4636



**Program Executive Office
Command, Control, Communications,
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SPAWAR Industry Executive Network

PMW 740 International C4I Integration

**28 June 2010
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Agenda

- Purpose
- PMW 740 Mission and Vision
- PMW 740 Organization
- FMS Funding & Phases
- FMS Case Totals
- Future FMS Opportunities
- Questions and Answers



Purpose

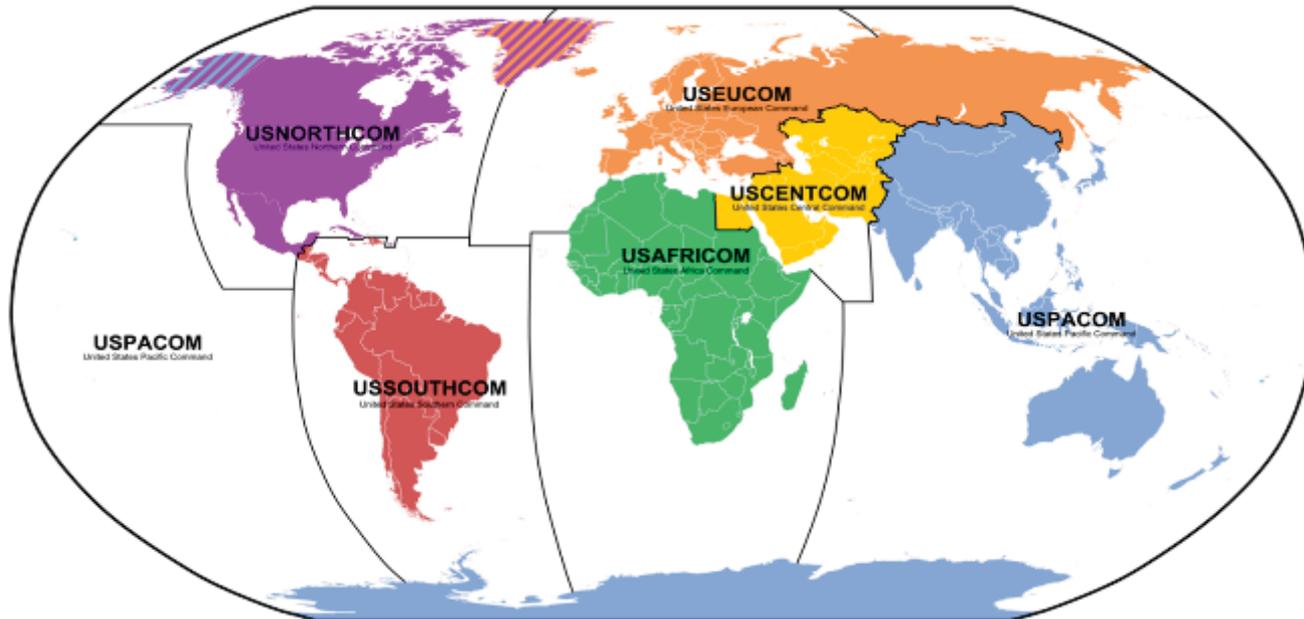
- The purpose of this brief is to provide industry partners of PMW 740 with a comprehensive briefing on current and future PMW 740 business strategy and opportunities.
- This brief does not constitute any commitment on the part of SPAWAR and/or PEO C4I PMW 740 to either issue a potential RFP or to make an award for any effort discussed herein.



PMW 740 Mission and Vision

Vision: Global Security Through C4I Interoperability

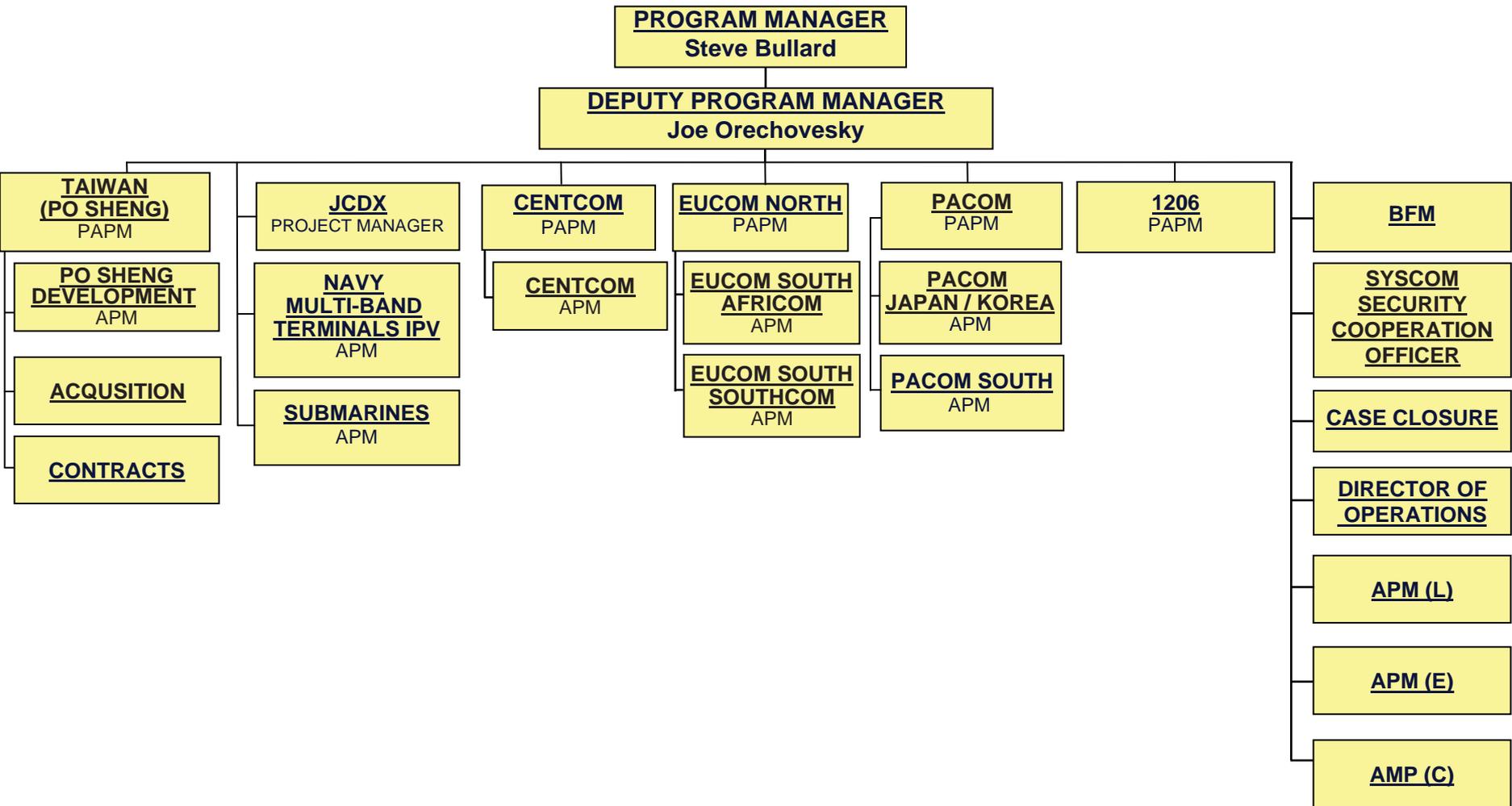
Mission: Provide Integrated C4I Solutions for International Customers in Support of U.S. National Security and Foreign Policy Objectives





PMW 740 Organizational Chart

(effective May 28, 2010)





Funding & Phases

- Types of Security Assistance funding
 - Foreign Military Sales (FMS)
 - Foreign Military Financing (FMF)
 - Pseudo Case (O&M)
 - FMS Admin
- Phases
 - Pre-Letter of Request (LOR)
 - Case Development
 - Develop Letter of Offer and Acceptance
 - LOA is the “contract” between USG and Foreign Government
 - Case Execution
 - Case Closure



FMS and Section 1206 Case Totals

Case Totals

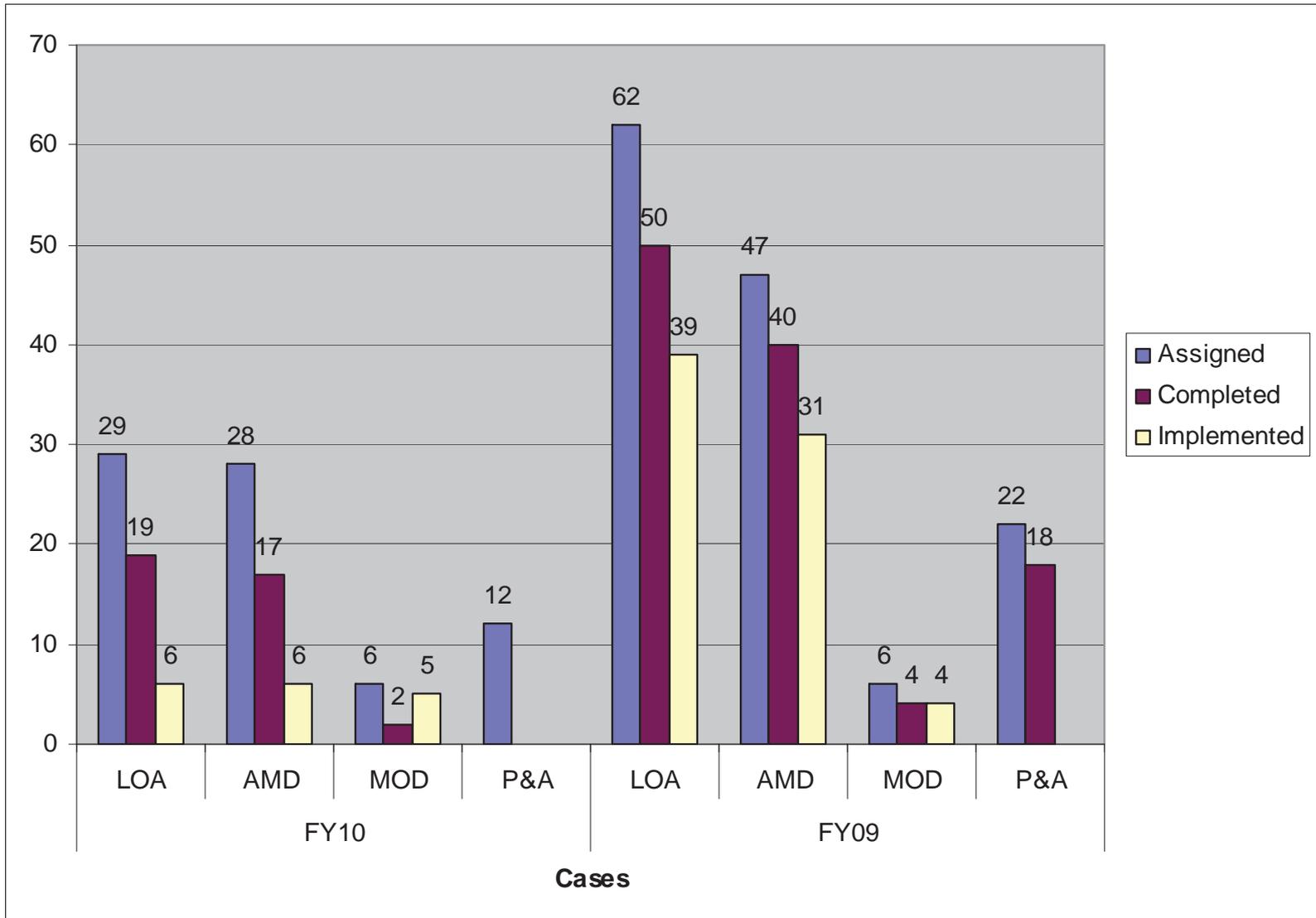
- Execution: 208
- Pre LOR: 20
- Pre LOA: 20 (~\$324M)
- Total: 248

Case Value

- Total: \$3.0B
- Remaining: \$372M



New Business Volume





PMW 740 Support to COCOM Countries

NORTHCOM

- Canada

\$123M

SOUTHCOM

- Bahamas
- Belize
- Dominican Republic
- Nicaragua
- Panama
- Peru
- Caribbean Basin

\$2M

AFRICOM

- Guinea
- Mauritius
- Morocco
- Mozambique
- Seychelles
- Tanzania
- Sierra Leone
- Senegal
- Cameroon
- Gabon

\$17M

EUCOM

- Bulgaria
- Denmark
- Estonia
- France
- Germany
- Greece
- Italy
- NATO
- Netherlands
- Norway
- Poland
- Portugal
- Spain
- Sweden
- Turkey
- Ukraine
- United Kingdom

\$244M

CENTCOM

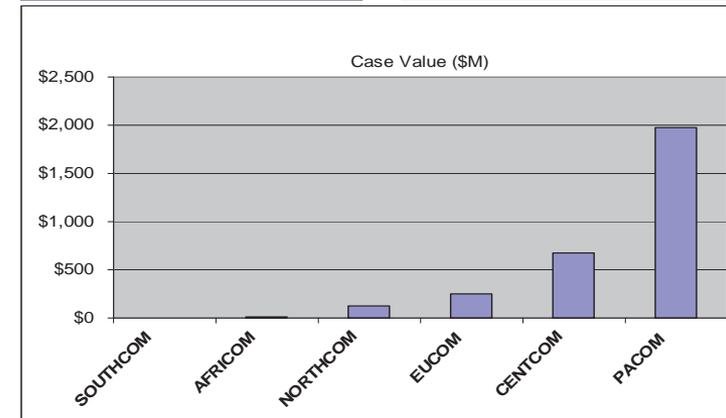
- Afghanistan
- Bahrain
- Egypt
- Iraq
- Israel
- Jordan
- Kuwait
- Saudi Arabia
- UAE

\$669M

PACOM

- Australia
- Indonesia
- Japan
- South Korea
- Malaysia
- New Zealand
- Philippines
- Sri Lanka
- India
- Thailand
- Taiwan

\$2B



Total Case Value: \$3.0B



Future Contracting Opportunities

- Ongoing:
 - MSS MAC: Cambridge Communications Inc., C4 Planning Solutions LLC, Management Services Group Inc., Forward Slope Inc.
- FY10
 - Taiwan Engineering & Software Maintenance: Lockheed Martin
 - Taiwan Operations & Support: CSC
 - BFM Support: Award Expected Sep 2010
- FY11: Syun An – Extended
 - Engineering & Software Maintenance: Award Expected Q1/2 FY11
 - Operations & Support: Award Expected Q1/2 FY11
 - Re-opening Reading Room – Watch SeaPort Portal



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PMW 790 Shore and Expeditionary Integration

28 June 2010
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PMW 790 Overview

Vision – PMW 790 will be the C4I provider of choice for tactical shore and expeditionary based C4I capabilities to enable information dominance.



Mission - Acquire, integrate, deliver, and support tactical shore based and expeditionary C4I capabilities to the warfighter.

What We Do

Enable Navy Ashore and Expeditionary Forces with state of the art C4I solutions that are innovative, interoperable, and secure.

- Modernization – Technology insertion and leveraging COTS
- Acquisition – PMW 790/PEO C4I initiatives and programs
- Integration – Ranging from platform/site to system of systems

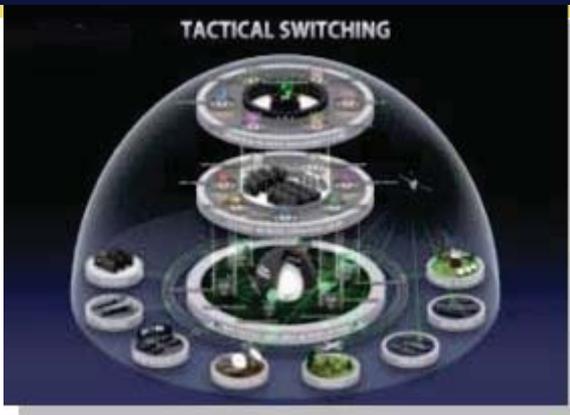


PMW 790 Programs/Projects

- Shore Integration
 - Tactical Switching (TSw)
 - Maritime Operations Center (MOC)
 - Organizational Messaging (Tactical and DMS)
 - Telephony
 - Joint (UHF) MILSATCOM Networks Integrated (JMINI)
 - Teleport/BMDS
 - P-173 (NCTAMS PAC Relocation Project)
- Expeditionary Integration
 - Deployable Joint Command and Control (DJC2)
 - Naval Expeditionary Combat Enterprise (NECE) C4I provider



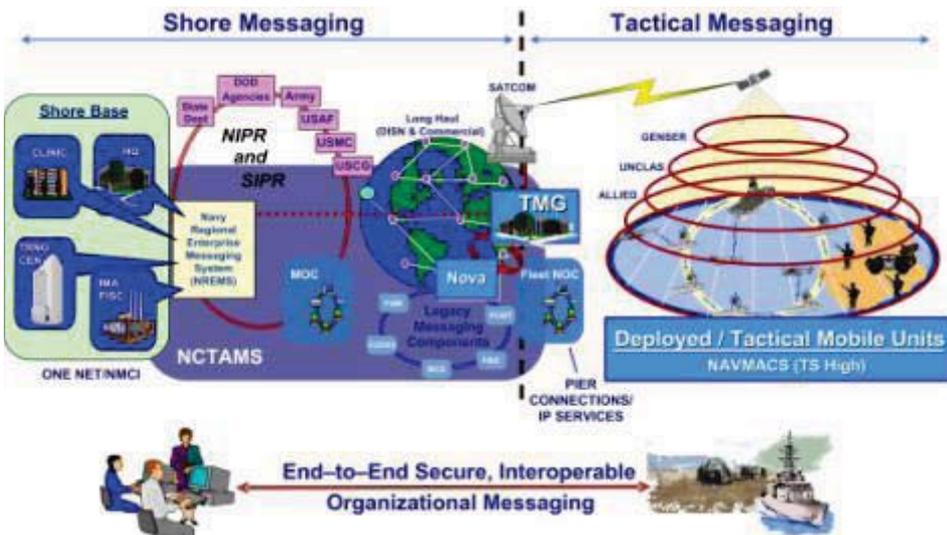
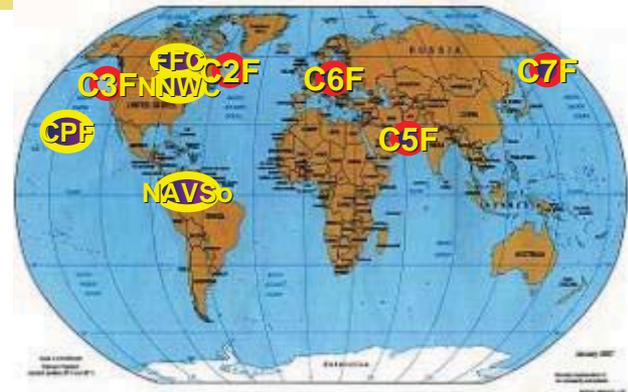
Shore Modernization



Tactical Switching



Maritime Operations Center



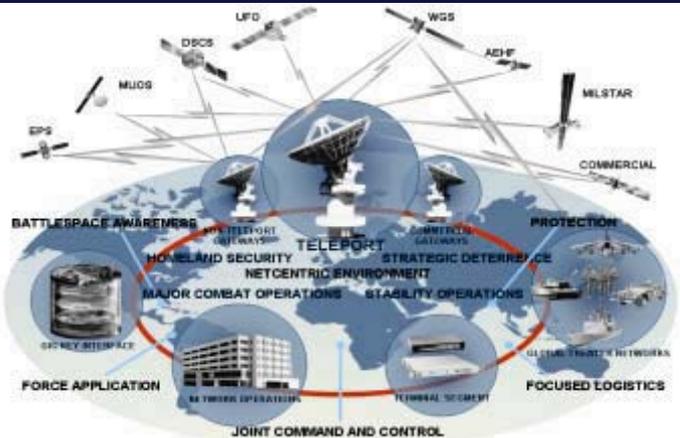
Naval Messaging



P 173 Upgrades



Shore Tactical Gateways



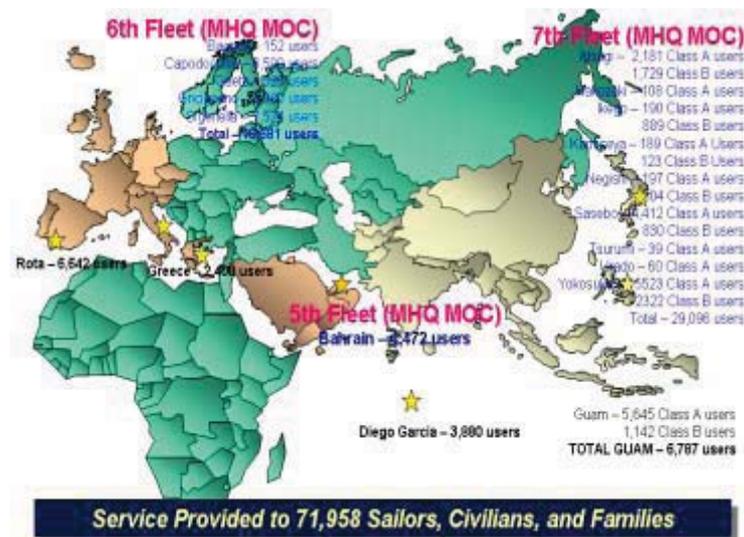
Teleport



BMDs Tactical Gateway



JMINI



Shore Telephony



Expeditionary Integration

Naval Expeditionary Combat Enterprise (NECE)





Deployable Joint Command and Control (DJC2)

Rapidly Deployable C2 Headquarters System

RAPID RESPONSE KIT (RRK)

EARLY ENTRY (EE) and CORE



EN ROUTE (ER)



Design is fully self-supporting, with its own power, environmental control, and satellite communications equipment — augmented with autonomous rapid response and en route capabilities.



Priorities next 12-18 months

- MOC
 - Migrate to System of Systems Integration Approach
- Network enhancements
 - Global NETOPS
 - Cybersecurity
- Increased use of Expeditionary Capabilities
 - DJC2
 - Tech Insertion/Tech Refresh
 - NECE
- Modernization
 - MILCON Opportunities
 - P-173
 - Technology (S&T) Insertion
- Platform Integration
 - Future Shore Site Architecture
 - Roadmap/C4I Builds
 - Cost effective Installations
 - Site Configuration Control



Existing Contracts

- Tactical Switching- Enterprise Network Management Systems
 - Northrup/Grumman IT
- Telephony- Misc telephone switches, H/W and S/W
 - General Dynamics
 - Lockheed Martin
- Seaport-E
 - Booz Allen Hamilton - Program Management support
 - INDUS Technology - System Engineering/ILS support
 - Syzygy- Acquisition Support, Financial support
- DJC2 Subcontractors
 - L3 Communications – PM, Sys Eng, Acquisition, and Logistics Support
 - Anteon – Systems Integration
 - Radiance Technology – Systems Integration
 - Deloitte – Earned Value Management
 - ARINC – Logistics



Future Industry Opportunities

- **Telephony Sustainment and Upgrade**
 - Telephony Management System, VVOIP
 - RFP expected FY11
- **MOC & Expeditionary**
 - Integration Effort leveraging Product Program Office POR products
- **DJC2**
 - Life cycle support opportunities
 - Many contract opportunities located in Panama City, FL
- **Seaport Acquisition, Financial and Program Management support**
 - Program Management Support award expected soon
 - Acquisition and Financial Support
 - RFP expected FY11
 - Systems Engineering Support
 - RFP expected FY12



Summary

- PMW 790 products and services support a wide array of capabilities to the warfighter
 - Modernization, acquisition, and integration for shore and expeditionary entities
 - Desired end state is an integrated C4I system that is interoperable, innovative, and secure
- Industry opportunities available:
 - Technology insertion, procurement, future architecture development
 - Program management, systems engineering, financial management, and logistics support

PEO C4I's ability to achieve success requires a strong Industry Partnership