Deliver threat-based C4I and space capabilities to enable the fleet to compete, deter and win ─ tonight

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

AFCEA Luncheon
PMW 740
(International C4I Integration)

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Agenda

• Introduction
• Organization
• Successes
• Ongoing Work
• Challenges
• Opportunities
• Summary
• Points of Contact
Introduction

• Today’s goals are to illustrate:
  ➢ Why International C4I Integration is important
  ➢ Security Cooperation opportunities for Industry
  ➢ How Industry can help support International Partnerships
The Value of FMS

Sir Winston S. Churchill:
"There is at least one thing worse than fighting with allies - And that is to fight without them"

Australia, New Zealand, United States Security Treaty (ANZUS Treaty):
As a result of the 9/11 terror attacks, invocation of Article 5, "an armed attack on any of the Parties is deemed to include an armed attack on the metropolitan territory of any of the Parties" led to extensive ANZUS combat operational support during the war on terror.

CNO’s A Design for Maintaining Maritime Superiority 2.0:
LOE Purple – Expand and Strengthen Our Network of Partners:
Expand dialogue at all levels with industry partners to increase shared understanding and reduce obstacles to more effective and efficient ways of doing business.

(NIPO) RDML Francis Morley:
Allies and partners remain our strategic center of gravity. However, the world is changing and the risk balance has shifted to a strategic environment of Great Power competition, which requires strengthening alliances and partnerships, and maintaining global rules and norms.
Organizational Alignment

• Improves relationships with foreign partners
• Augments U.S. foreign policy
• Enhances interoperability with coalition partners
• Modernizes foreign partners capabilities
• Boosts foreign partners self sufficiency

Expand And Strengthen Our Network Of Partners:
Deepen operational relationships with other services, agencies, industry, allies and partners who operate with the Navy to support our shared interests
PMW 740 Programs & Products Supported

- **Program of Record Products**
  - 29%

- **Non-Program of Record Products**
  - 71%

**2018**

**Types of non-Program of Record Products:**
- Maritime Surveillance System (MSS)
- Combined Enterprise Regional Information Exchange System (CENTRIXS)
- Command, Control, Communications, Computers, Information / Intelligence, Surveillance, Targeting Acquisition and Reconnaissance (C4ISTAR)
- Automatic Identification System (AIS)
- Video Surveillance System
- High / Very High / Ultra High Frequency Radios
- Maritime Exercise and Advisory Support (MEAS)
- Global Positioning System (GPS)
- Internet Protocol (IP) Network Communications System

**Types of Services:**
- Mobile Repair
- Return, Repair and Reshipment (RRR)
- Supply Support
- Technical Assistance
- Training
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Successes

- LINK-22 Transition (from LINK-11 & LINK-16) for multiple Foreign Partners
  - Nile Nations: CAN, DEU, ESP, FRA, ITA, UK, USA
  - Link-22 Partners: AUS, BEL, FIN, NLD, SWE
  - 3PS Nations: CHL, JPN, ROK, TUR
  - Link-22 C&IWG Nations/Organizations: CHL, DNK, GRC, JPN, MEX, NAGSMA, NATO BMD, PO&S, NCIA, NOR, NZL, PRT, POL, ROU, SAU, UAE
  - Interested Link-22 Nations: MAR

- Maritime Domain Awareness (MDA) Building Partner Capacity (BPC) Efforts:
  - Azerbaijan: Upgrades using existing infrastructure
  - Small Business installs, tests and trains (Became the model for Ukraine SOF Support)
Successes (Cont.)

• Elevated Persistence Surveillance System (EPSS):
  - Uganda: In service with the Uganda People’s Defense Forces (UPDF) supporting the African Union Mission in Somalia (AMISOM)
    - “Not one IED has gone off on the road near the EPSS because of its surveillance capabilities…”

• Foreign Nation Participation in RIMPAC:
  - Chile: Provided upgrades to support the Chilean Navy’s ability to become the Combined Force Maritime Component Commander (CFMCC) for RIMPAC
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• Command and Control, Communications, Computers, Intelligence, Surveillance, Target Acquisition, and Reconnaissance (C4ISTAR):
  - Philippines: Modernize and integrate the AFP Command Center, Operation Centers and various platforms in order to achieve a Common Operational Picture (COP) and create a joint, robust C4ISR capability

• Maritime Domain Awareness (MDA):
  - Bahamas: Adds multiple remote surveillance sites to existing network in order to support the Caribbean Basin Security Initiative (CBSI)
Ongoing Work - Integration

• Joint Service Command and Control (C2)
  ➢ Saudi Arabia: Developing a cyber-hardened, joint and interoperable C4I architecture which includes current and future weapon systems/platforms and supports interoperability amongst Kingdom of Saudi Arabia (KSA) Ministry of Defense (MOD) and U.S. Military forces

• Global Command Control System-Joint (GCCS-J)
  ➢ Morocco: Provides GCCS-J hardware/software procurement support, integration/installation/delivery support, subject matter expertise and training
Ongoing Work - Upgrade/Modernization

• Obsolesce Management:
  ➢ Taiwan: Implementing obsolescence solutions to maintain current System of Systems (SoS) operational availability

• AEGIS Combat System:
  ➢ Japan: Assisting in the deployment of AEGIS Ashore systems to allow for operational interoperability
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Challenges

• Limited Tools for addressing Foreign Partner unique system design needs:
  ➢ Very few nations, or national militaries, have similar “Concepts of Operation” and/or “Concepts of Support” as the U.S. Military

• Identifying Deployable/Releasable Cross Domain Solutions:
  ➢ In accordance with current U.S. cyber security policy, it is prohibited to integrate U.S. Classified Military Information (CMI) into a foreign nation’s indigenous C2 system or network

• Developing Expertise in Implementation of Commercial Solutions for Classified (CSfC):
  ➢ Further development needed in NSA program allowing for commercial products to be used in layered solutions protecting classified data
Unique Challenges in the FMS World

• Working OCONUS - Bridging The Gap:
  ➢ Licensing Requirements:
    ─ Compliance with DOS export regulations
    ─ Hardware / Software (COTS) procurements
  ➢ Logistics:
    ─ Location
    ─ Different environment
    ─ Shipping / customs challenges
    ─ Entry / Exit Regulations (Visas, Passports, etc.)
  ➢ Awareness of Language and Cultural Differences:
    ─ Potential for misunderstanding
    ─ Use of written vs. oral communication
    ─ Training difficulties
    ─ Different work ethics
    ─ Leadership deference
  ➢ Vendor Direction from the Partner Nation:
    ─ Sole Source requirements
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Opportunities

• SPAWAR HQ:
  ➢ C2 System Modernization Support - Taiwan
  ➢ Systems Upgrade, Route Survey Vessel (RSV) and Coastal Mine-Hunter (CMH) Ship - Egypt
  ➢ COMSEC / Special Inventory Manager - PMW 740 Enterprise
  ➢ C4ISR System Training Support - Saudi Arabia
  ➢ C4ISR System Operations and Support - Saudi Arabia
  ➢ Integrated International Support Services (IISS) - PMW 740 Enterprise
  ➢ Terminal Repair and Maintenance Support – Taiwan

• C4I Integrated International Solutions (CIIS) Task Orders:
  ➢ Border Surveillance System (BSS) Sustainment Support – Lebanon
  ➢ C4 Technical and Training Support - Taiwan
  ➢ Combined Enterprise Regional Information Exchange System (CENTRIXS) Support - Qatar
  ➢ CENTCOM Partner Network (CPN) / Shared Early Warning (SEWS) Support - Jordan
  ➢ CPN/SEWS Support - Saudi Arabia
  ➢ Interagency Data Network in support of Maritime Domain Awareness (MDA) - Seychelles
  ➢ MSS Equipment Installation, Testing, Training, and Maintenance - Bahamas

See FedBizOpps (https://www.fbo.gov) for further details
Historical FMS Engagements

As of 2006:
Australia
Bahamas
Belgium
Brazil
Canada
Chile
Colombia
Denmark
Dominican Republic
Egypt
Estonia
France
Germany
Greece
Guinea
Israel
Italy
Japan
Korea
Morocco
NATO
Netherlands
New Zealand
Norway
Panama
Philippines
Poland
Portugal
Saudi Arabia
Senegal
Singapore
Spain
Sweden
Taiwan
Thailand
Turkey
United Arab Emirates
United Kingdom
Yemen

Blue text indicates partner country with current active FMS case

Total to Industry (All Vendors) $163.3M 85%
How We Fund Industry

Contracting Organization

- SPAWAR PMW 740: $86.7M
- Other PEO C4I: $31.8M
- NSMA: $13.2M
- SSC PAC: $11.6M
- SSC LANT: $10.8M
- DLA: $6.2M
- Other USG: $2.0M
- NUWC: $0.9M

Grand Total: $163.3M

Total to Industry (All Vendors): $163.3M
85%
## Contract Vehicles

### Agency
- SPAWAR PMW 740
- Other PEO C4I
- NSMA
- SSC PAC
- SSC LANT
- DLA TLS
- Other USG (i.e. AF, Army)
- NUWC

### Contract Types
- IDIQ MAC, Seaport-E, C-type
- Seaport-E, C-Type, P-Card
- IDIQ MAC
- SAP, MAC, C-type
- SAP, MAC
- IDIQ MAC
- MAC, C-type
- MAC, Seaport-E

### Contract Types / Acronyms:
- **C-type**: Stand-alone contract
- **IDIQ**: Indefinite-Delivery, Indefinite-Quantity
- **MAC**: Multiple Award Contract
- **P-card**: Purchase Card
- **SAP**: Simplified Acquisition Procedures
Why What We Do Matters to Small Business

SPAWAR Executed $92M to Small Business in FY16-18

Total Planned
FY16-18: $513M
FY16-18: $460M
FY16-18: $307M
FY16-18: $92M

Total Obligated
Industry (SPAWAR)
Small Bus. 30%

Published on Jun 5, 2018
SPAWAR's International Program Executive Office (PEO) Command, Control, Communications, Computers and Intelligence (C4I) Deputy Program Manager, Simon Smith, provides an overview of his program and describes his experience after attending the DoD Small Business Training Week Conference in April 2018.

SBTW 2018 PMW 740 Simon Smith YouTube Video:
https://www.youtube.com/watch?v=zHDQTkzzDZA
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- PMW 740 provides integrated solutions for international customers in support of U.S. National Security and foreign policy objectives.

- The ability to integrate PEO C4I capabilities into indigenous systems enables our allies and partners to operate in joint and combined forces environments.

- Working together with Small Business to achieve Security Cooperation objectives remains a priority.
Points of Contact / On-line Resources

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Seaport-e
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Accelerated delivery of required capability that is affordable, integrated and interoperable