

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

International C4I Integration (PMW 740)

NDIA San Diego
Fall Defense and Industry Forum

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





Agenda

- Our Mission and Why it Matters
- Products and Services
- Contracts Opportunities
- Opportunities and Challenges



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International C4I Integration Mission

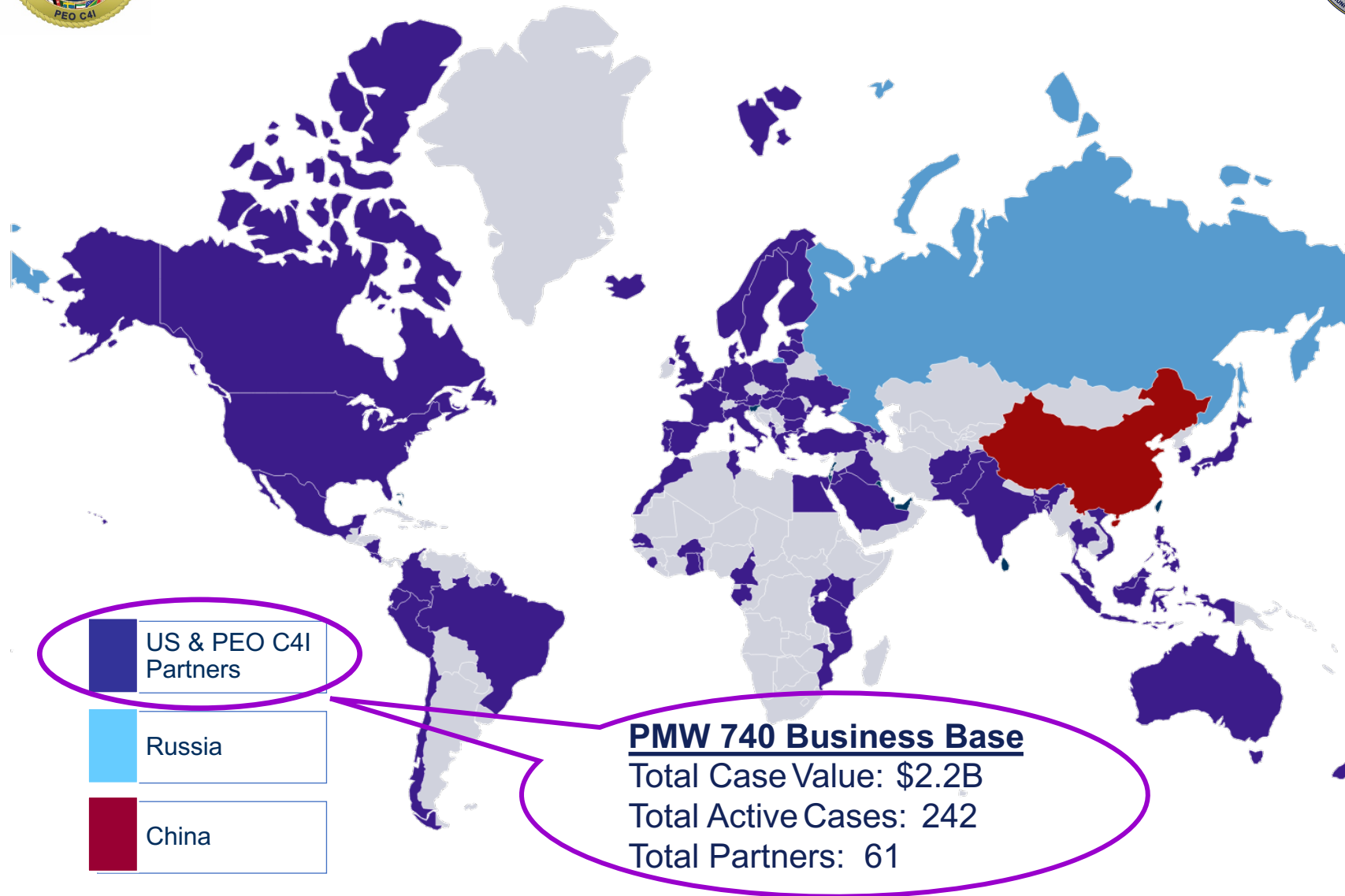
Deliver integrated C4I capability to foreign partners in support of U.S. National Security and foreign policy objectives

Foreign Military Sales	Establish and maintain strategic partnerships to enable international interoperability and enhance global security	
Building Partner Capacity	Execute Geographic Combatant Commander investment priorities providing initial capability to emerging partners	
C4I Expertise Supporting GCC Requirements	Engage with Geographic Combatant Commanders to identify capabilities to meet theater security cooperation objectives	
C4I Support to Other Agencies	Provide C4I expertise to other SYSCOMs/Agencies to help them achieve security cooperation and security assistance objectives	
Systems Integration	Integrate PEO C4I systems or Commercial off the Shelf (COTS) C4I solutions into indigenous environments	

Strengthen relationships and build partner capacity to deter, fight and win



PMW 740 Global Engagement





Security Cooperation: Across the PEO



AIS, AREPS, MDA/S2A,
METOC, NITES, SSEE INC E/F



COMSEC, PKI, RADMERC, TKL



MUOS



ADSI/DTS/JTIDS (Link-11/16),
C2P, CDLMS, MLST3, GCCS,
SNC/LLC-7M (Link-22), JNDA



ADNS, ISNS, MCAP



NMT-IPV, CBSP, GPNTS, BFTN



TACMOBILE



AEGIS Ashore
(Coordinating)



ISDS, SUBHDR



CENTRIXS, MOC, NAVMACS



- Black: Unmodified PoR Product
- Blue: FMS derivative / modified product

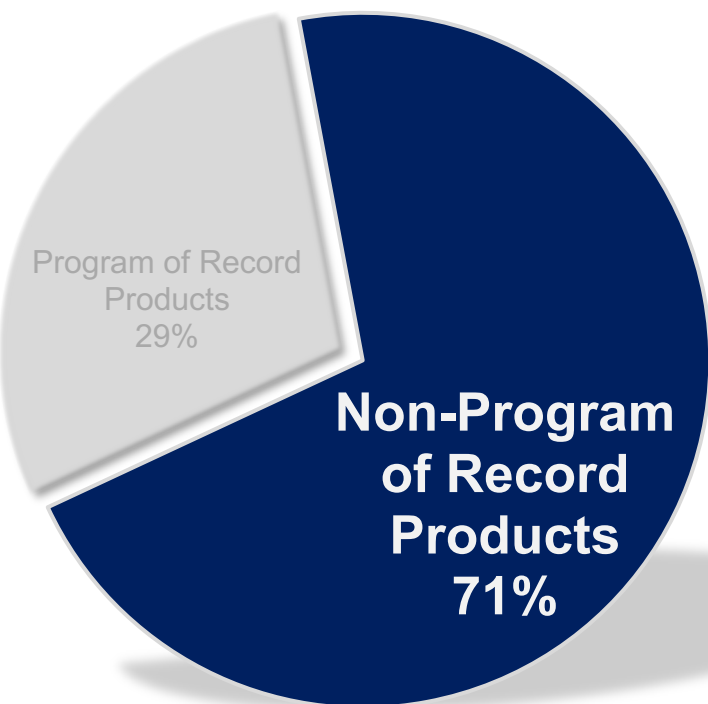
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Security Cooperation: Non-POR C4I Capabilities



PMW 740 Programs & Products Supported



Types of non-Program of Record Products:

- Automatic Identification System (AIS)
- Combined Enterprise Regional Information Exchange System (CENTRIXS)
- C4I Surveillance, Targeting Acquisition and Reconnaissance (C4ISTAR)
- Elevated Persistent Surveillance System (EPSS)
- High / Very High / Ultra High Frequency Radios
- Maritime Exercise and Advisory Support (MEAS)
- Global Positioning System (GPS)
- Maritime Surveillance System (MSS)

Types of Services:

- Mobile Repair
- Return, Repair and Reshipment (RRR)
- Supply Support
- Technical Assistance
- Training



Opportunities - FY21/FY22 Contracting Efforts

- NAVWAR HQ (sole source efforts):
 - C4ISTAR Platform Integration: Philippines
 - Command and Control (C2) Modernization: Taiwan
 - Microwave Network System Installation and Training: Morocco
 - Nation-wide Maritime Surveillance System: Egypt
- NAVWAR HQ (Strategy TBD):
 - SATCOM Expansion: Philippines
- Seaport NxG:
 - Lifecycle Support follow-on: Taiwan
 - Shipboard Installation: Taiwan

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*For Seaport NxG efforts, further details can be found on the Seaport NxG site
<https://vendornxg.seaport.navy.mil>*



Industry to Industry Partnering



- C4I Integrated International Solutions (CIIS) IDIQ MAC
 - Upcoming Task Order efforts:
 - CENTCOM Partner Network (CPN) – Additional sites: Saudi Arabia
 - Coastal Surveillance System (CSS) Installation/Training: Bahrain
 - Coastal Surveillance System (CSS) Upgrade/Expansion: Sri Lanka
 - Maritime Domain Awareness (MDA) Installation/Training: Bulgaria
 - Maritime Domain Awareness (MDA) Installation/Training: Greece
 - Maritime Surveillance System (MSS) Integration: Bahrain
 - CIIS IDIQ MAC Prime Contractors are:
 - Advanced Technology Systems Company (ATSC)
 - Forward Slope Inc. (FSI)
 - ITC Defense
 - Solute
 - Veterans First Initiative (VFI)



International C4I Opportunities



- Design for Exportability
- Emergent MDA/C2 requirements for non-traditional partners driven by a changing security environment
- PMW 740 leads the Navy's efforts to develop the capacity to offer cybersecurity as a capability
 - Establishing a framework, standard approach and training that can be tailored to the FP need and meets GCC's requirement is critical for future interoperability
 - RFI soon to be released seeking information regarding existing Cybersecurity training curricula
- Applying RMF principles for FP network connectivity to DODIN
 - Implementing developing guidance from DOD CIO and JCS IAW recently released Partner Connection Guide/NIST guidelines



International C4I Challenges

- Design for exportability
- Sustaining legacy systems – continued exportability
- Post COVID Deployment
 - Country requirements for ROM/logistics
 - Bow wave of deliveries
- Standardizing an approach for cybersecurity assistance
- External factors impact contracting strategy
 - Limited timelines (BPC)
 - Foreign Partner preferences/infrastructure



Points of Contact

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**Accelerated delivery of required capability that is
affordable, integrated and interoperable**



Acronyms



ADSI	Air Defense System Integrator	IISS	Integrated International Support Services
ADNS	Automated Digital Network System	IP	International Partners
AIS	Automatic Identification System	ISDS	Information Screening and Delivery Subsystem
APM (C), (E) or (L)	Assistant Program Manager (Contracts), (Engineering), or (Logistics)	JNDA	Joint Networks Design Aid
AREPS	Advanced Refractive Effects Prediction System	JTIDS	Joint Tactical Information Distribution System
ASN (RD&A)	Assistant Secretary of the Navy - Research, Development & Acquisitions	JTRS	Joint Tactical Radio System
BFTN	Battle Force Tactical Network	KSA	Kingdom of Saudi Arabia
BPC	Building Partnership Capacity	LOA	Letter of Offer and Acceptance
C2	Command and Control	LOE	Lines of Effort
C2P	Command and Control Processor	LOR	Letter of Request
C4I	Command, Control, Communications, Computers, and Intelligence	MAC	Multi-Award Contract
CBSP	Commercial Broadband Satellite Program	MCAP	Medium Data Rate Channel Access Protocol
CDLMS	Common Data Links Management System	MDA	Maritime Domain Awareness
CENTRIXS	Combined Enterprise Regional Information Exchange System	METOC	Meteorology and Oceanography
COCOM	Combatant Commander	MIDS	Multifunctional Information Distribution System
CODB	Cost of Doing Business	MLST3	Multi-Link System Test and Training Tool
COMSEC	Communications Security	MOC	Maritime Operations Center
CONOPS	Concept of Operations	MUOS	Mobile-user Objective System
COTS	Commercial Off The Shelf	NAVMACS	Navy Modular Automated Communications System
DODIN	Department of Defense Information Network	NDAA	National Defense Authorization Act
DSCA	Defense Security Cooperation Agency	NILE	North Atlantic Treaty Organization Improved Link-11
FMF	Foreign Military Financing	NIST	National Institute of Standards and Technology
FMS	Foreign Military Sales	NITES	Naval Integrated Tactical Environmental System
GCC	Global Combatant Command/ers	NMT-IPV	Navy Multiband Terminal - International Partner Variant
GCCS-M	Global Command and Control System-Maritime	NSA	National Security Agency
GPNTS	Global Positioning System Based Positioning, Navigation, and Timing Service	OSD	Office of the Secretary of Defense



Acronyms

PEO	Program Executive Office
PKI	Public Key Infrastructure
RADMERC	Radiant Mercury
RSAF	Royal Saudi Air Force
SATCOM	Satellite Communications
SLS	Standard Level of Service
SNC	System Network Controller
SSCO	SYSCOM Security Cooperation Office
SSEE	Ship's Signal Exploitation Equipment
SUBHDR	Submarine High Data Rate Antenna
TACMobile	Tactical Mobile
TDL	Tactical Data Link
TKL	Tactical Key Loader
TOA	Total Obligational Authority