



Author: CAPT Tom Smith
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Approved By:
Phone #: 301-744-4087
Email: gideon.s.rogers@navy.mil

National Defense Industrial Association Global EOD Conference and Exhibition “Partnership Strategies (Post Iraq & Afghanistan)”

Commanding Officer: CAPT Tom Smith thomas.b.smith1@navy.mil

Executive Officer: CDR Paco Porter robert.r.porter@navy.mil

Executive Director: Jason Shaffer jason.shaffer@navy.mil

DISTRIBUTION STATEMENT A: Approved for Public Release; Distribution is unlimited.

-  Describe Naval Explosive Ordnance Disposal Technology Division's (NAVEODTECHDIV) strategic context
-  Discuss NAVEODTECHDIV Data Exchange Agreement (DEA) Programs
-  Present NAVEODTECHDIV level of effort for international sales of EOD equipment

DODD 5160.62

"(1) Improve the effectiveness and economy of EOD activity throughout the DoD by eliminating duplications and overlapping of EOD technology development and training efforts."

Supports National and Department of Defense objectives by developing and delivering appropriate EOD technology and information for the Military Services, Federal Agencies and foreign partners.



NAVEODTECHDIV International (IPO) and Foreign Military Sales (FMS) Authorities



DoD Directive 5160.62

- Makes the Secretary of the Navy the Single Manager for EOD Technology & Training (EODT&T), Supported by a Navy Flag Officer who acts as Executive Manager (EM)
- Commanding Officer, Navy Explosive Ordnance Disposal Technology Division (EODTECHDIV) acts as Deputy to the EM for DoD EOD Technology
 - Also the designated primary point of contact for DoD EOD Technology inside the Interagency

OPNAVINST 8027.1G

- EODTECHDIV is primary source of content for all international exchange agreements on EOD.
 - International exchange agreements include EOD tools, equipment, documentation and procedures.
- EOD tools and equipment, EOD training, and EOD information and publication will not be transferred, sold, loaned, or provided to a foreign government except in accordance with the National Disclosure Policy (NDP).
- Military Technical Acceptance Board (MTAB). EOD MTAB at EODTECHDIV approves all EOD tools, equipment, and procedures for Joint-Service and International use.

Lines of Operation



ENDS

Win our Nation's Wars

Counter Violent Extremism

Strengthen Existing & Emerging Alliances & Partnerships

NATIONAL

Prevent and Disrupt Terrorist Attacks

Succeed in Counterinsurgency, Stability, and Count Terrorism Operations

Combatant Commander

Theater Commanders

Regional/Area Commanders

TF Commanders



Federal Agencies

INTEL

RDT&E



Training

Operations
Training and Joint Operations

Combined Explosives Exploitation Cell (CEXC)

Foreign Material Acquisition (FMA)

In Country Exploitation (ICE) Team

Foreign Ordnance Exploitation Cell (FOXC)

•C-IED TTP Development

•Guides

•EOD publications and procedures

•Technical Support Center

•Robotics

•CREW

•Explosives Detection Equipment

•JS EOD Equipment

EOD related equipment and publications
Foreign Material Sales

WAYS

COMBAT SUPPORT

MEANS

TECH DIV

Explosive Ordnance Acquisition & Exploitation

EOD Information Knowledge Management

Equipment RDT&E

International Programs



Exploitation – Warfighting Relevance



**Level I
Collection and
Exploitation**



Produces tactical picture, technical information, and recovers materials

Recovered Materials

**Level II:
Device/Materials
Exploited In Theater**

CEXC: produces detailed device technical information, Biometrics, Frequency information, TTP s

Recovered Materials

**Level III
Device/Materials/Information
Exploited Outside Theater**

TEDAC, NGIC, USACIL, TECHDIV: produces more detailed device technical information, Biometrics, TTPs, FP Solutions

Exploitation Results Support

Train the Force

- Enemy TTPs
- U.S. TTP Shortfalls
- Storyboards
- Device Replication

Increases Training Cycle effectiveness

Defeat the Device

- Enemy TTPs
- RDT&E Cycle for equip development
- CREW Load sets
- Technical info to other units

Reduced IEDs
Reduced IED effectiveness

Attack The Network

- Targeting package support via Biometrics and Device Profiles
- Component Tracking: ID and reduce source material

Reduced IEDs

Prosecution Packages

- Biometrics and Device Profiles
- Chemical analysis

Supports Stability/Rule of Law

Saves Lives and Enables Mission Success

ENDS

WAYS

MEANS

Ensure Maritime Freedom

Strengthen Existing & Emerging Alliances & Partnerships

Sea Control

Navy Doctrine

Supported Mission

MIW

SMCM

AMCM

NAVSEA
WARFARE CENTERS



Mission support forces

Clear maritime LOCs of hazards



ONI

Countermeasures and equipment/material development, vessel design

Ordnance Intel and Threat analysis

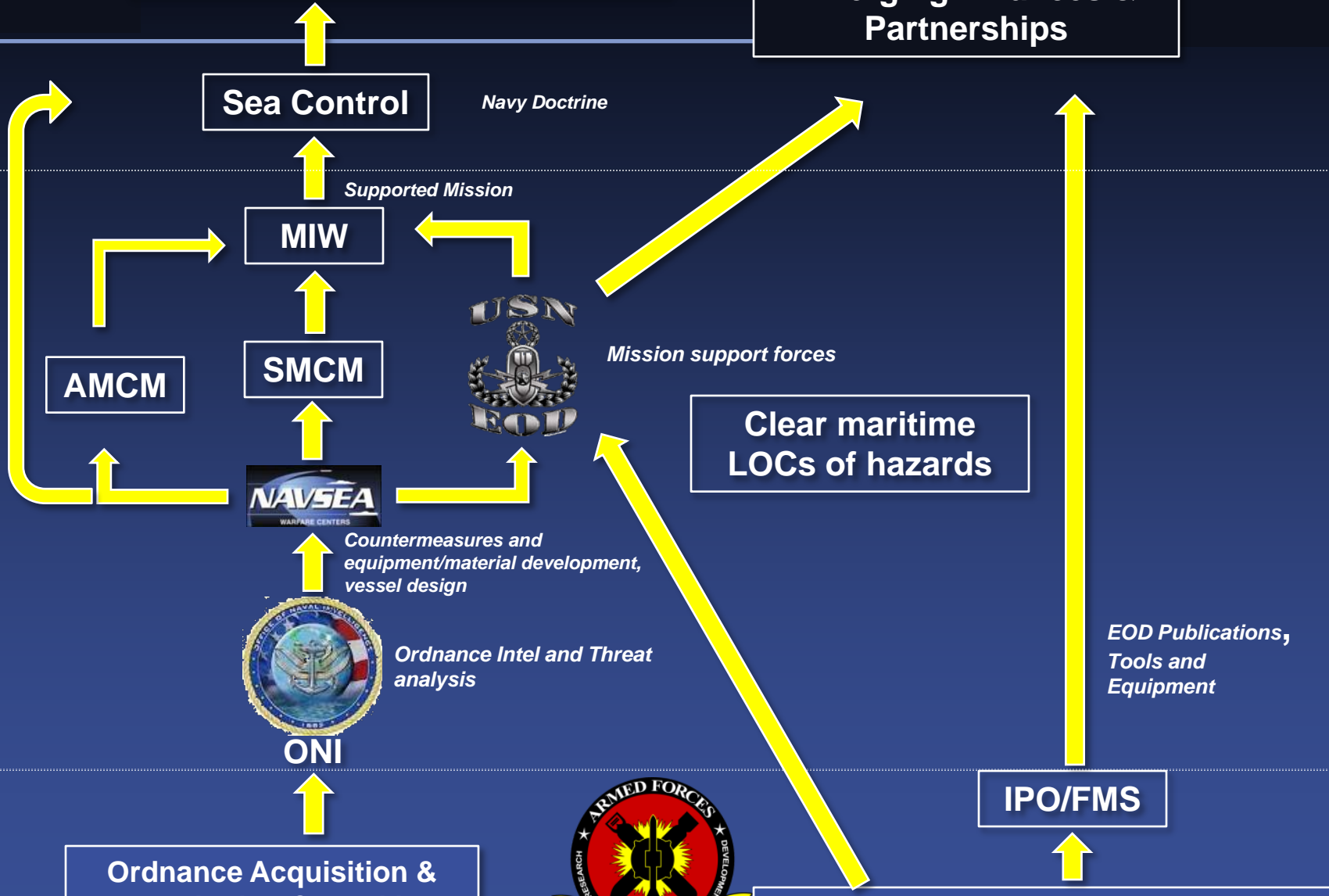
EOD Publications, Tools and Equipment

Ordnance Acquisition & Exploitation Capability



EOD Information Management (Code 20)
Technology Development (Code 50)



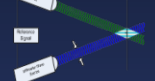
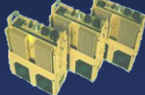

IPO/FMS



Acquisition : Technology : Information : Exploitation



User Requirements
Notional Concepts
Joint Urgent Operational Needs Statements (JUONS)
Capability Gaps (MTAB)

- JSEOD Acquisition (PMS-408) 
- UW EOD (PMS-408) 
- JSEOD Science & Technology (ONR) 
- JCREW (PMS-408) 
- Robotics (PMS-408/UGVE) 
- Counter-IED (JIEDDO/PSEAG/TSWG/EODLIC/DARPA/DTRA)

Approval for EOD Use (MTAB)

Field & Support

- 🔥 **Homeland Security directives**
- 🔥 **Data Exchange Agreements**
- 🔥 **Interagency Presence**
- 🔥 **Intelligence Support**
- 🔥 **Exploitation and Attribution**

- 🔥 **JUONS and UONS implications**
- 🔥 **VMODs, NVGs, Repeaters**
- 🔥 **EOD Robotics**
- 🔥 **CRADA and Innovation**
- 🔥 **Future...Effectors - Sensors**








Building Partnerships

- Global partnerships with allied forces are a crucial part of maritime and land force security


Methods to support Partnerships include:

- Information Exchange Programs (IEPs)
 - Data Exchange Agreement (DEA) – Bi-lateral
 - Information Exchange Agreements (IEAs) – Multi-lateral
- Foreign Military Sales (FMS)
- Exercise Programs and Meaningful Engagement

-  **Driven strategically**
-  **Handled regionally based on Host Nation interest in participation**
-  **COCOMs have largest DoD influence**
-  **Efforts coupled with Interagency Partners**
-  **Funding often late in Fiscal Year, many stakeholders**

Authorities – Information Exchange Programs (IEPs)



-  Interservice Responsibilities for EOD; AR 75-14 / OPNAVINST 8027.1G / MCO 8027.1D / AFR136-8:
 - NAVEODTECHDIV “is designated as primary source of contact for all international exchange agreements on EOD, as may be authorized by the Secretary of Defense under existing instructions governing the interchange of technical information.”

• DoD Directive 5160.62

- The Executive Manager for DoD EOD Training and Technology (EODT&T) shall:

“Serve as the primary source contact for international exchange agreements (including NATO on EOD Technology issues).”

Information Exchange Programs - Definition and Value



Exchanges

Navy International Programs Office (IPO) – Exchange Program Guidelines for Technical Project Officers (TPOs)

- DEA / IEA Annexes are government-to-government subordinate agreement that provides a mechanism for the exchange of Research and Development information, including Classified Military Information (CMI), in a specific technology or scientific area with allied and friendly nations

Value

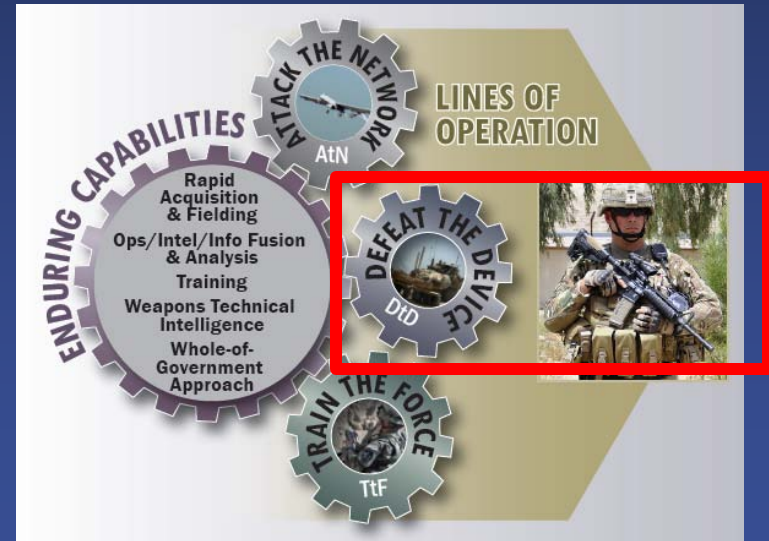
- The primary goals of the DEA / IEA programs are to create closer alliances; marshal U.S. and friendly foreign nations' technological capabilities; enhance the security of the free world; improve interoperability and standardization; and identify cooperative opportunities

Alignment and Value of Current Information Exchange Programs

- Aligns with EODTECHDIV information process – “Collect”
 - DoD EOD supports force protection mission to detect, identify, evaluate, render safe, and dispose of explosive ordnance and IEDs



- Aligns DoD and other NATO EOD with same national C-IED edicts
 - EOD / IEDD supports the “Defeat the Device” JIEDDO Line of Operation (LOO)

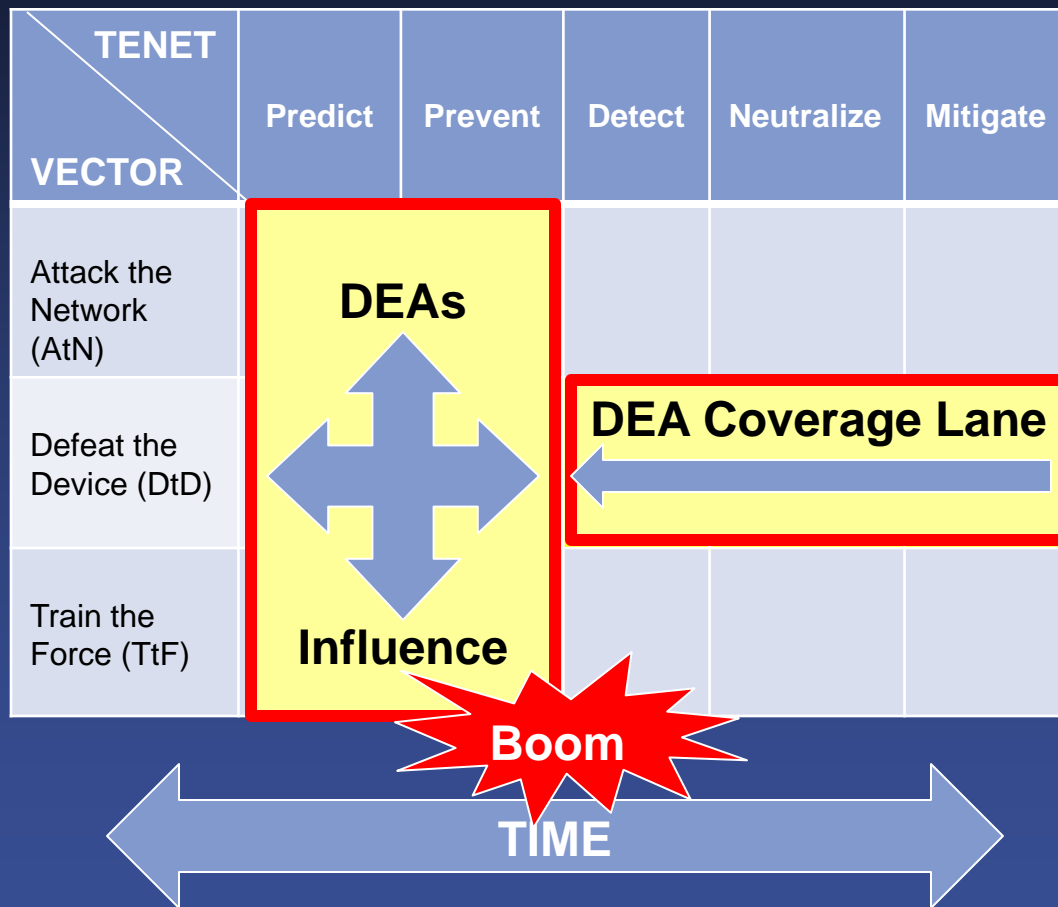


- Conserves resources

NATO ATP-72 outlines multi-national EOD operations that supports IED Defeat

Data Exchange Agreements (DEA) establish foundation for EOD information exchange between partner nations

Counter-IED includes “left of boom” AtN tenets that this working group does not address





“The Foreign Military Sales (FMS) program is the government-to-government method for selling U.S. defense equipment, services, and training. Responsible arms sales further national security and foreign policy objectives by

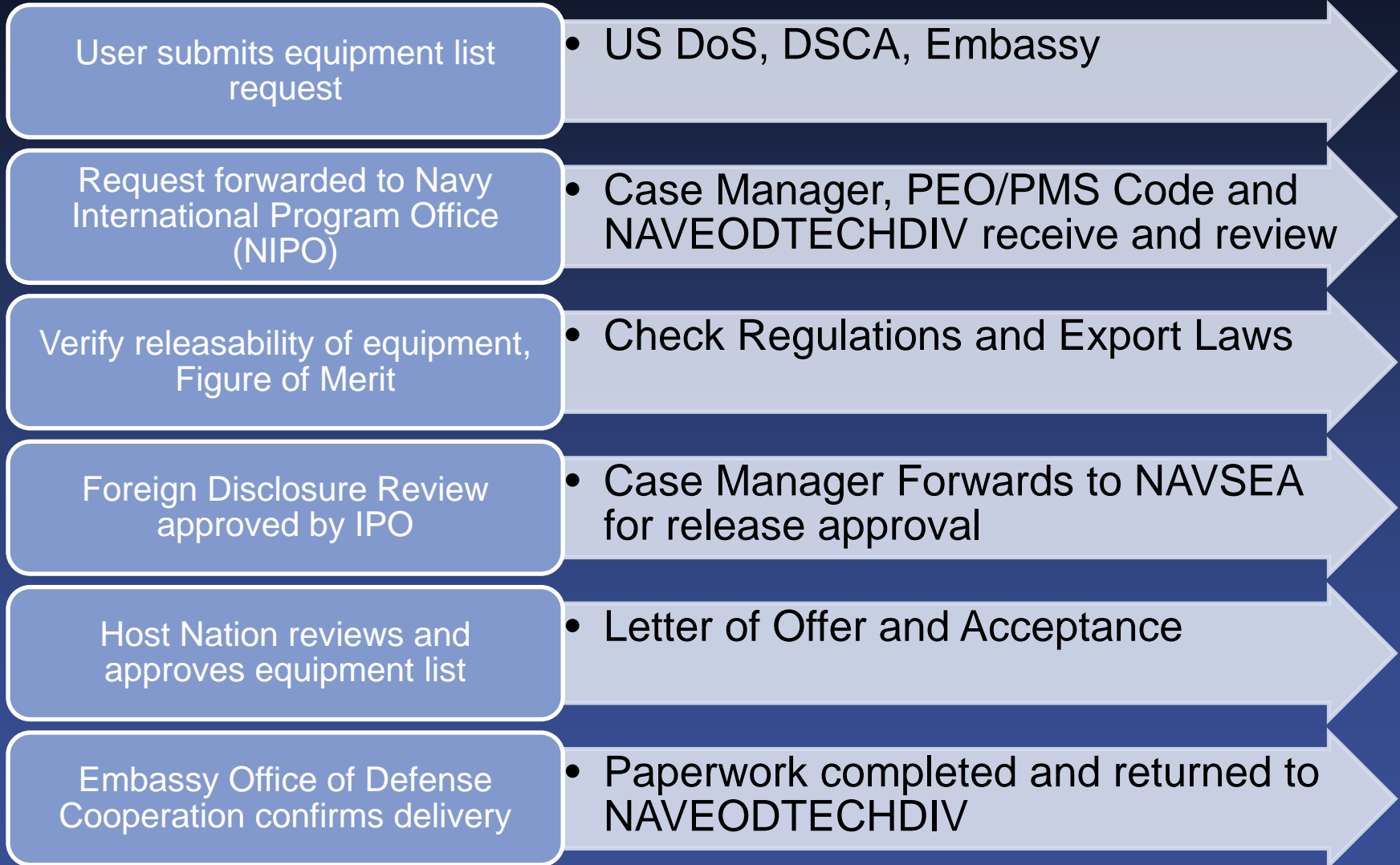
- Strengthening bilateral defense relations,
- Supporting coalition building, and
- Enhancing interoperability between U.S. forces and militaries of friends and allies.



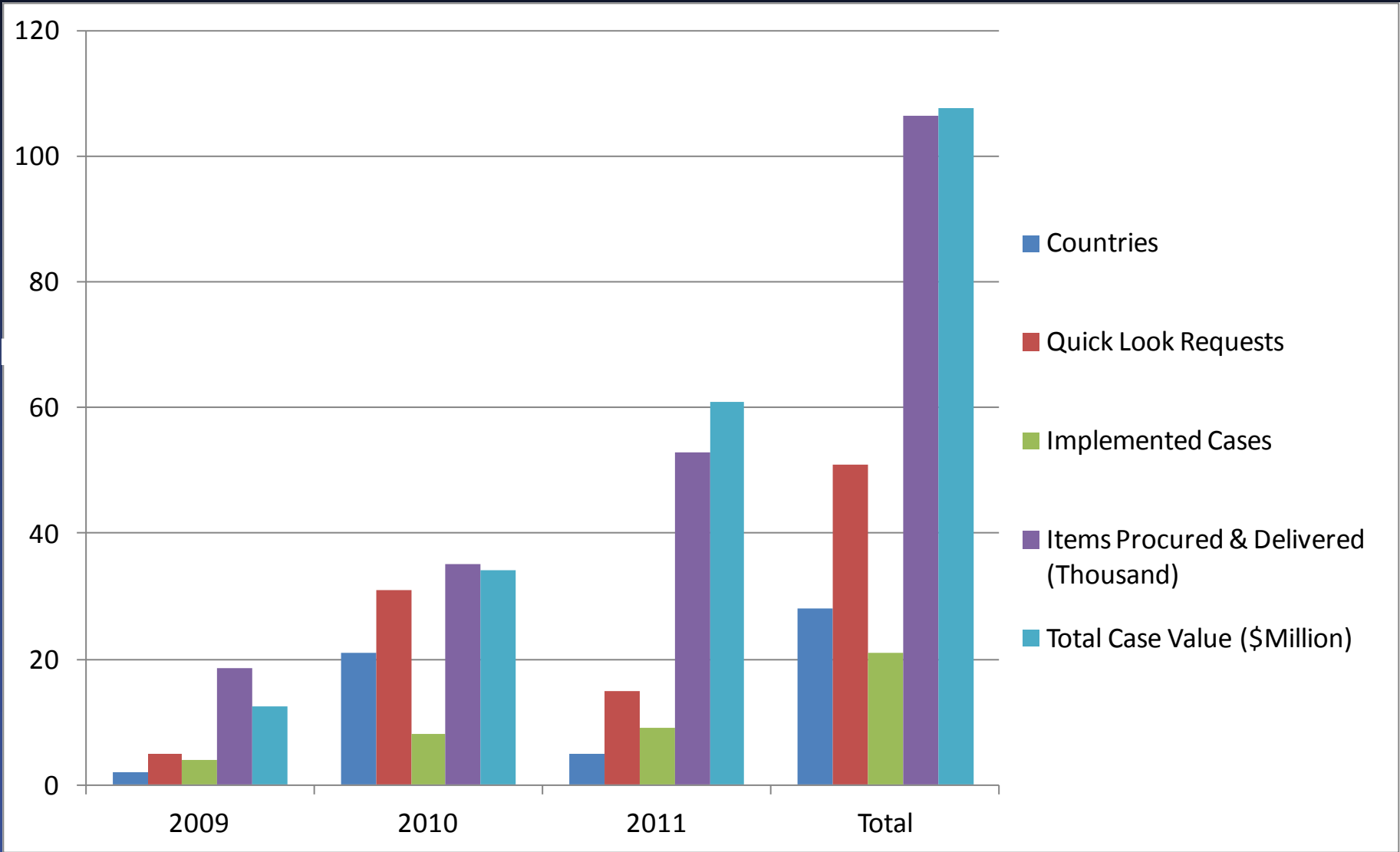
These sales also contribute to American prosperity by

- Improving the U.S. balance of trade position,
- Sustaining highly skilled jobs in the defense industrial base, and
- Extending production lines and lowering unit costs for key weapon systems.”

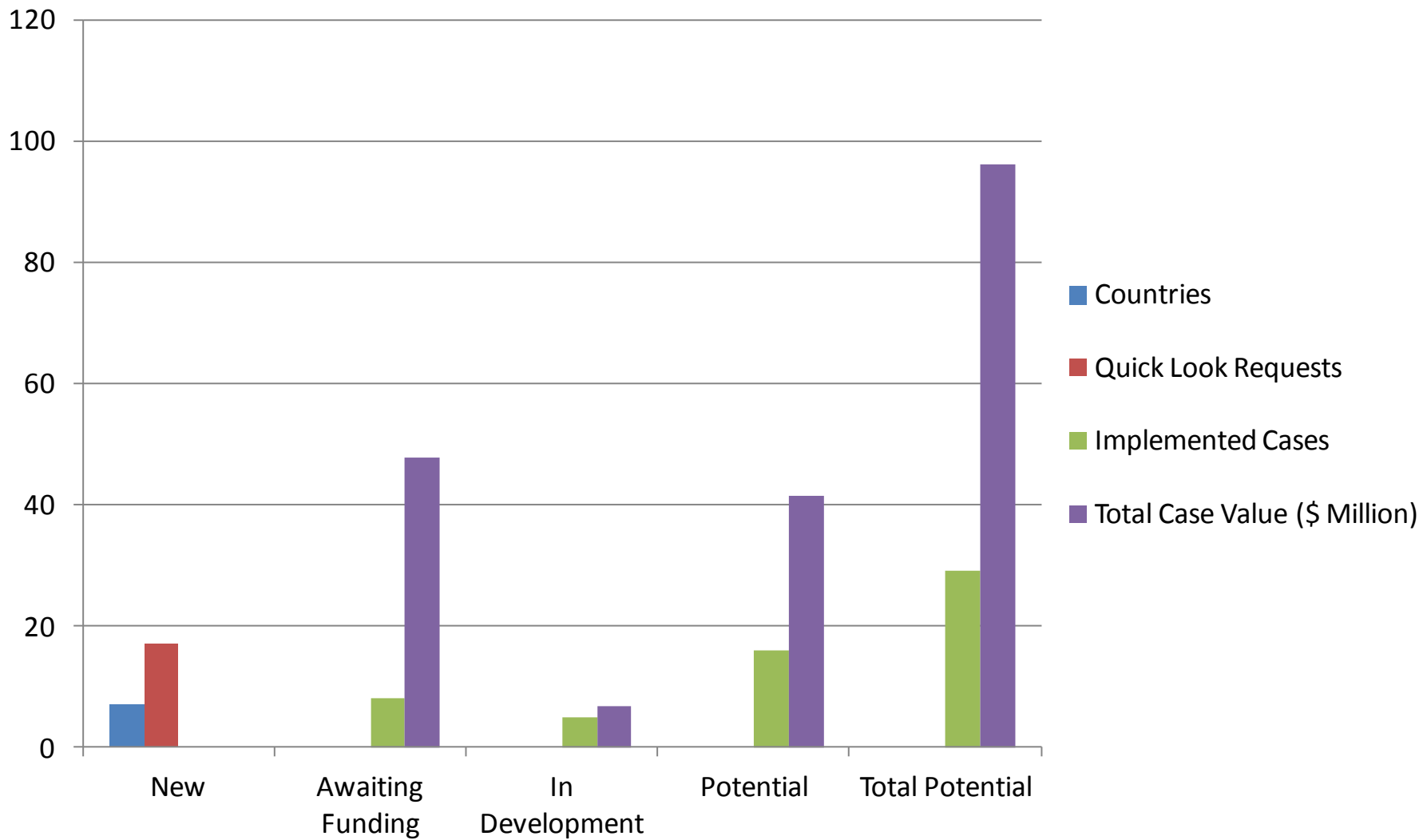
- DSCA



FMS History – Engagement Numbers



2012 FMS Cases



Afghanistan	Malaysia
Albania	Maldives
Algeria	Malta
Australia	New Zealand
Azerbaijan	Nigeria
Bangladesh	Norway
Bosnia	Oman
Cambodia	Pakistan
Chile	Peru
Czech Republic	Poland
East Africa	Republic of Niger
Estonia	Romania
India	Slovakia
Indonesia	South Korea
Iraq	Tunisia
Israeli	Turkey
Lebanon	Yemen
Lithuania	

- Defense Security Cooperation Agency (DSCA)
- Navy International Programs Office (NIPO)
- PMS 326
- PMS 408
- Embassies

Program growth over the last four years

- From: 2 Countries & 4 cases
- To: 35 Countries & 29 cases

- From: Total sales of \$12.5M
- To: Total sales of \$125.4M

International Relationships



NATO EOD Working Group Members

A
B
C
A
N
Z



Our Mantra



Keep Them Off The Wall