



Coalition Warfare Program

Briefing to: Science & Engineering Technology Conference

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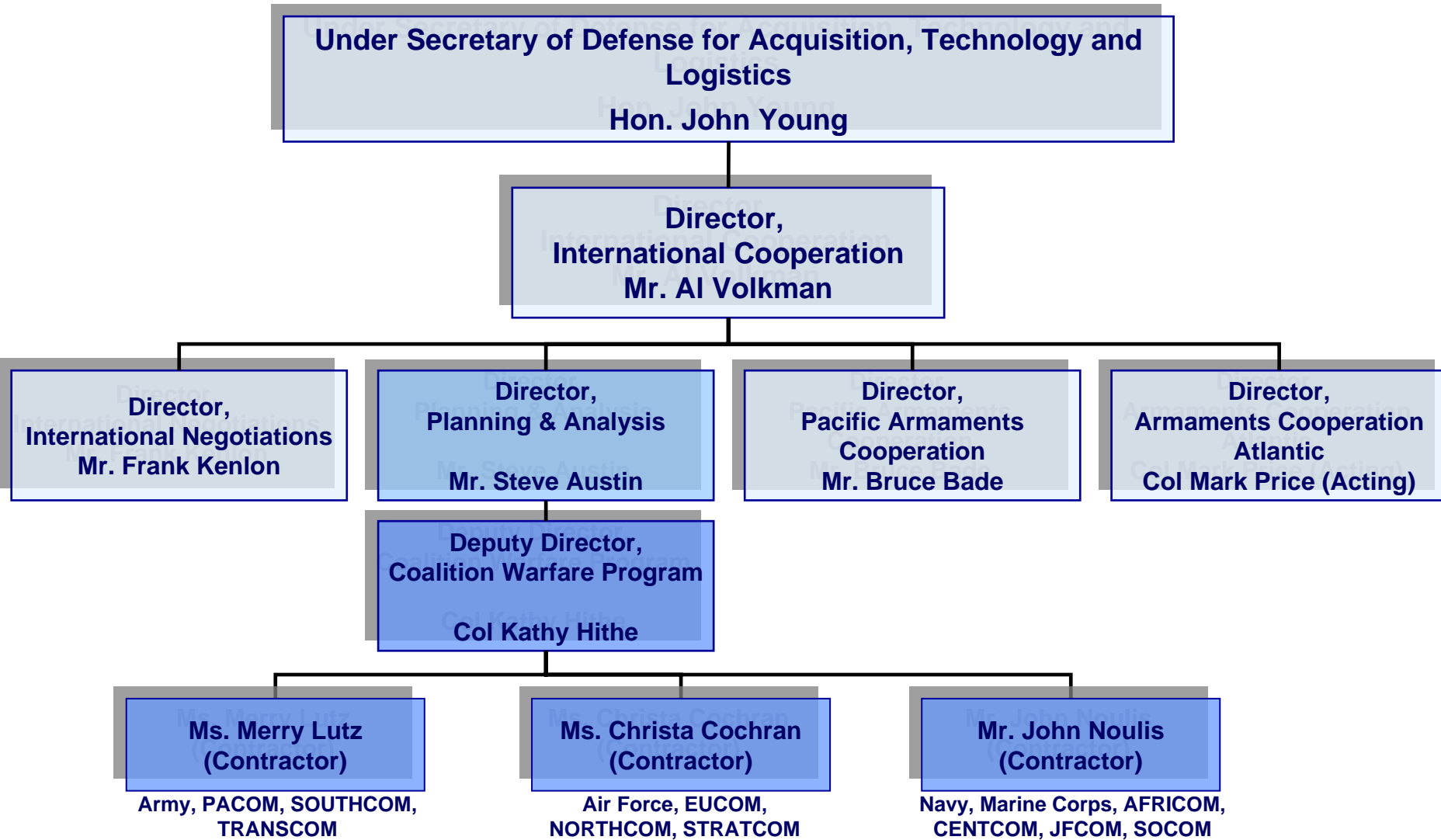


Purpose of the Coalition Warfare Program

- Coalition Warfare Program provides **funds** on a **competitive** basis to projects that conduct **collaborative RDT&E** with **foreign government** partners.
- Why?
 - Global Security requires strong partners and partnerships
 - Effective coalitions require a high degree of interoperability
 - Solutions to warfighter problems can be developed better, cheaper, and faster by leveraging partner expertise and resources.
 - ...and yet, COCOMs, Services, and Agencies do not always program for international partnerships and interoperability

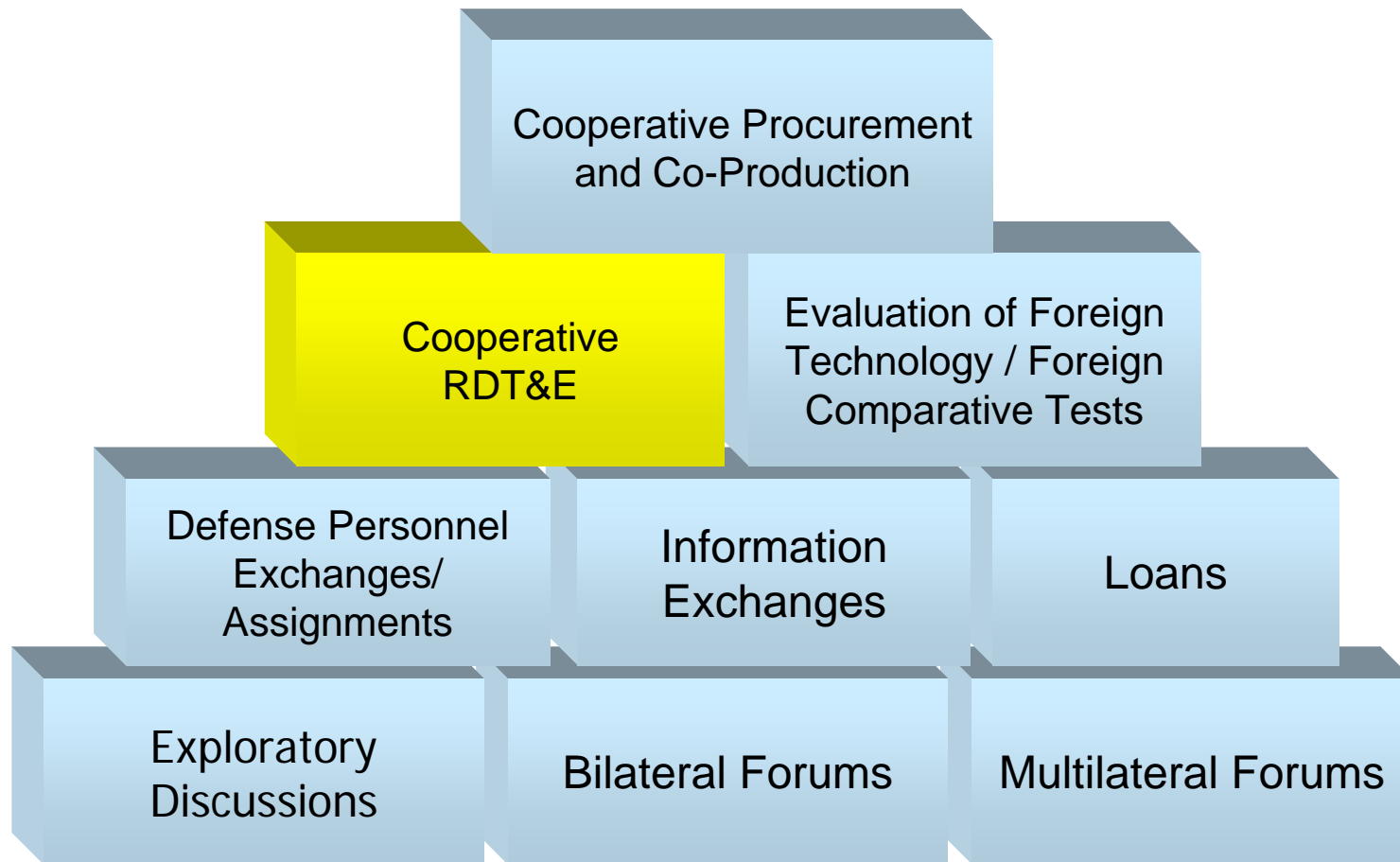


Coalition Warfare Team





Building Blocks of Armaments Cooperation





CWP Responds to DoD Acquisition and Policy Imperatives

Armaments Cooperation Goals:

- Build partnerships; strengthen alliances and influence adversaries
- Reduce cost by sharing costs or avoiding duplication of development efforts
- Increase military effectiveness through interoperability; share global security responsibilities
- Bolster domestic and allied defense industrial bases
- Access the best defense technology and expertise; help minimize the capabilities gaps

Building Partnerships Goals:

- Build capabilities and capacities of partners and institutions
- Leverage capacities and capabilities of security establishments
- Influence adversaries and competitors
- Strengthen global defense posture
- Partner with government and institutions
- Inform domestic and foreign audiences



Global Partnerships through CWP Projects





CWP Proposal Basic Requirements

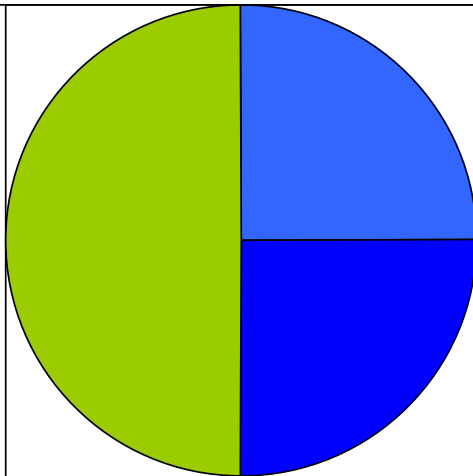
- CWP selects projects through an annual, competitive, nomination process.
 - CWP will provide “seed” funding of up to \$1,000,000 per year for 2 years.
- Basic Criteria:
 - RDT&E content
 - Nominations accepted from COCOMs, Services, Defense Agencies, or OSD staff
 - Projects must have committed foreign government partners



Coalition Warfare Program Contributions

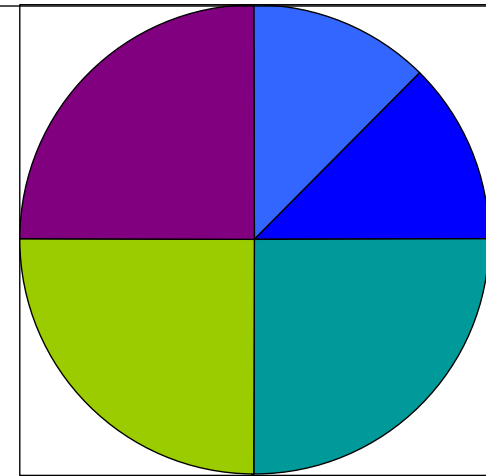
- Sponsor and foreign partner expected to contribute resources to project
- **Equitable contributions from foreign partner could entail:**
 - Traditional “equal” contributions
 - Could also be benefit related

■ US PM ■ CWP ■ Partner 1



Bilateral

■ US PM ■ CWP ■ Partner 1
■ Partner 2 ■ Partner 3



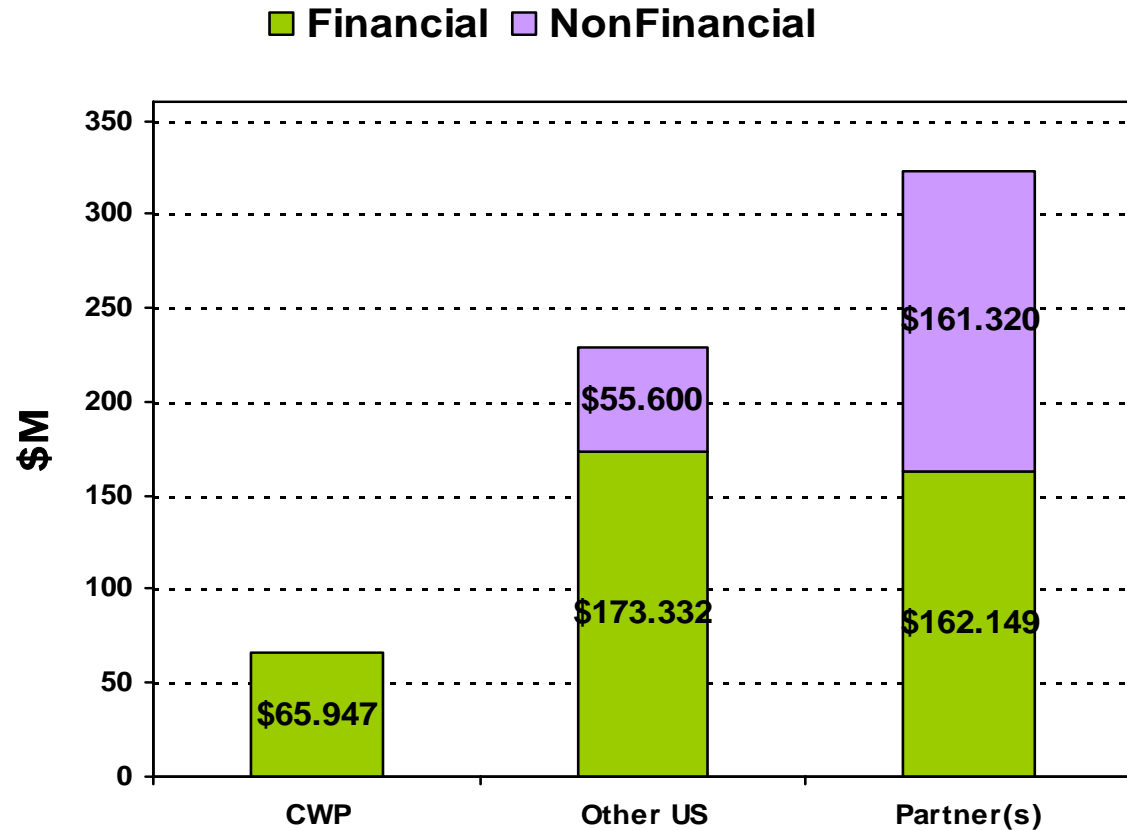
Multilateral



CWP History

- Established in 2000; funding began in FY01
- 75 projects
 - CWP - \$65.75M
 - Other US - \$224.17M (1:3)
 - Partners - \$319.27M (1:5)

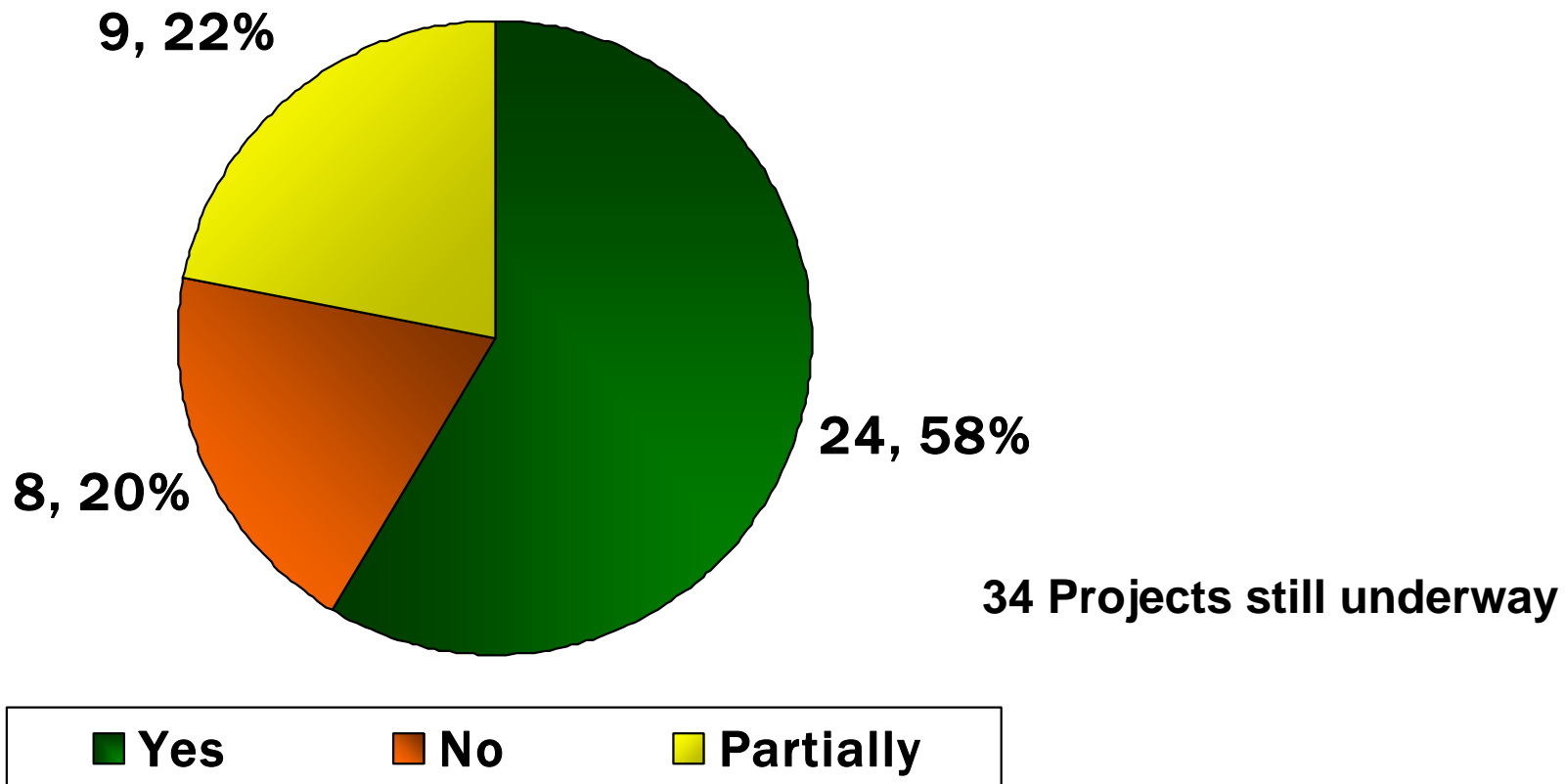
**Total Funding Leveraged :
\$543.44M (1:8)**





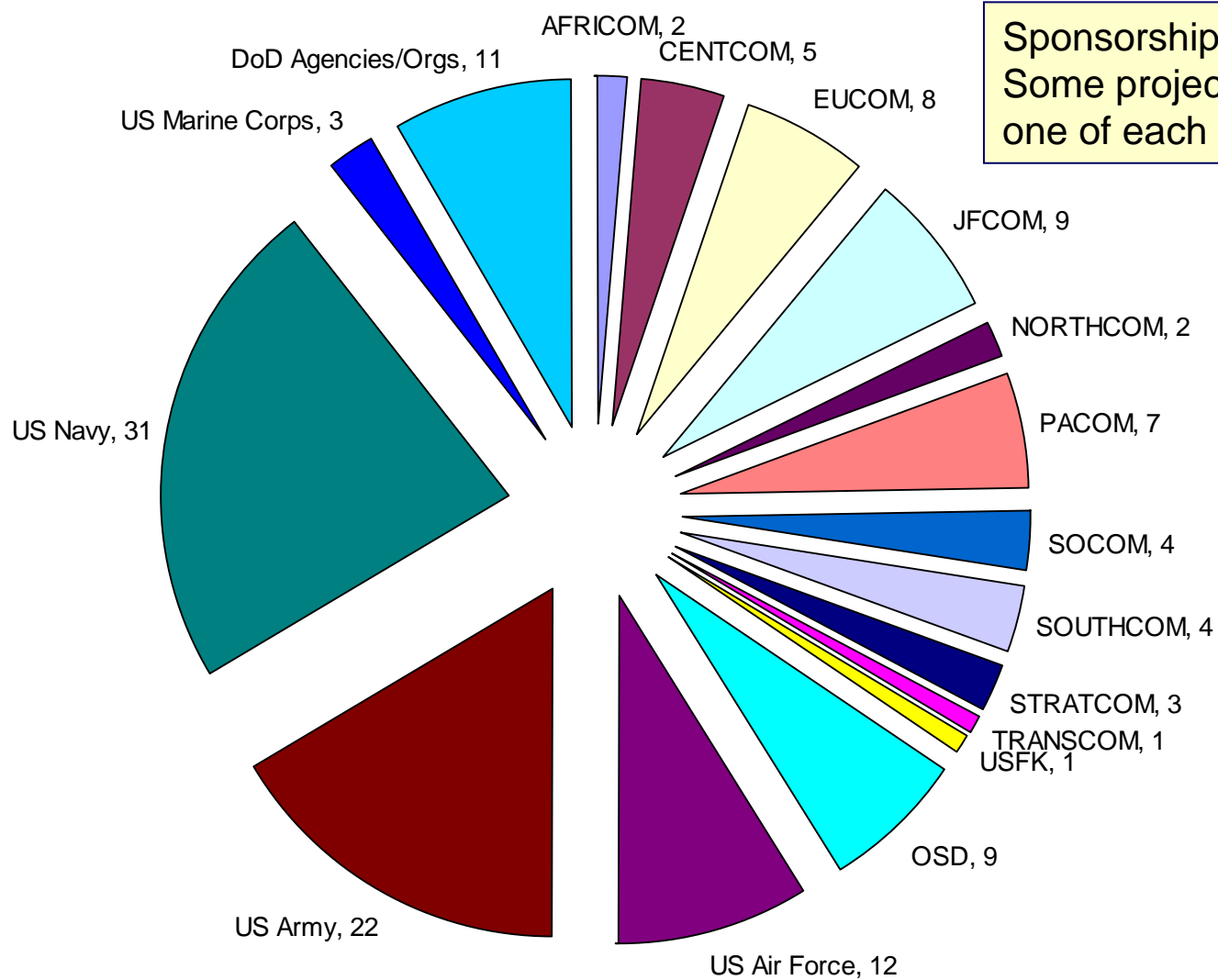
Project Transitions

Technical PM is responsible for working transition to next phase





Participation in CWP Projects FY01-FY09



Sponsorship and Partnership.
Some projects have more than one of each



Important Dates



- FY10
 - Closed to new submissions
 - Preliminary decisions on selections will be announced in June.
 - Projects will be notified of availability of CWP funding after passage of FY10 DoD Authorization and Appropriations Bills.
 - Selected projects will be able begin work after CWP receives its FY10 budget (plan for January 2010.)
- FY11
 - Offices interested in submitting a proposal for FY11 cycle should start ground work by:
 - Identifying foreign partner and understanding international agreement requirements of project.
 - Identifying internal resources that can be committed.
 - First drafts will be due in January 2010.



Evaluating a CWP Proposal

	Basic	Acceptable Basic Elements +	Strong Previous Elements +	Excellent Previous Elements +
Product	RDT&E Content	Tangible outcome and clear objectives	Not duplicative of other efforts	Unique solution to a complex problem
Sponsorship	U.S. government sponsor	Sponsor financial contribution & COCOM endorsement	Equitable financial contribution	Multiple endorsements
Foreign Partner	Identified	Financial or non-financial support	Foreign POCs identified & equitable contributions	High-level interest
Benefit	Clear benefit to warfighter	Meets an identified need	Meets identified need of multiple COCOMs/ Services/Agencies	Will quickly be able to respond to identified need
Legal	Reviewed for international agreement/disclosure/export control issues	Sponsor and Service IPO have a plan of action to get agreements in place/issues resolved	Can get necessary international agreements in place in time to start/other issues in work	Has necessary international agreements in place /other issues resolved
Project Mgmt	Funds requested commensurate with scope	Practical metrics for success	Identified transition aim	Programmed to transition



Sources for CWP Project Ideas

- Current relationships
 - Bilateral and Multilateral Forums
 - Ongoing development programs
 - Existing international agreements
 - Information Exchange Agreements
- Networking
 - International conferences
 - Joint Capability Technology Demonstrations
 - CWPs can add an international element to an existing JCTD or jump start a new effort

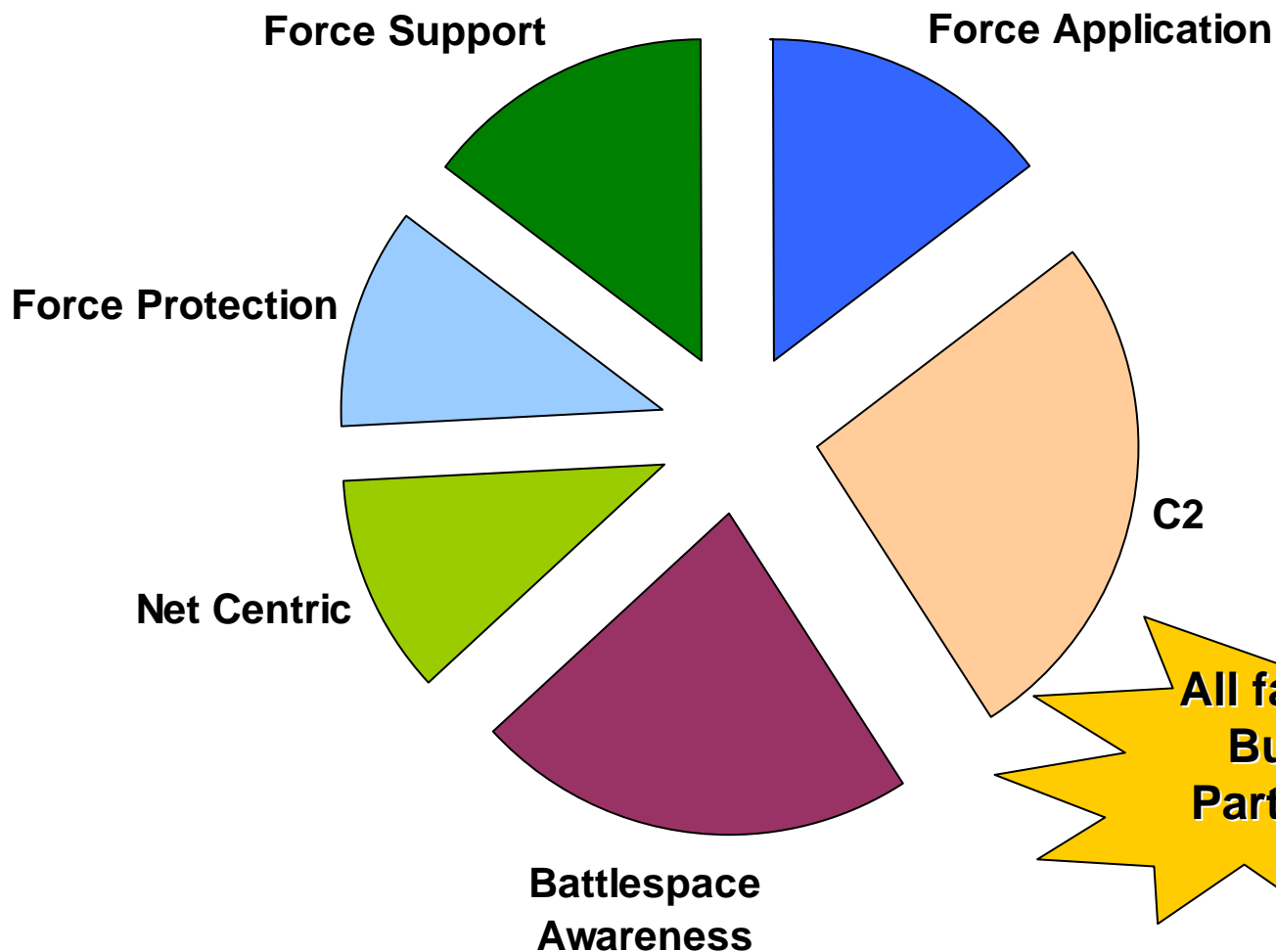


Paths for Getting Involved

- After generating project idea:
 - U.S. government offices should engage:
 - CWP Office
 - COCOM/Agency S&T Offices
 - Service International Program Offices
 - U.S. industry should engage:
 - Service or COCOM POC with interest in project and funding to contribute
 - Foreign government offices should engage:
 - U.S. Embassy Office of Defense Cooperation/Office of Security Assistance
 - Appropriate OUSD(AT&L)/International Cooperation Desk Officer



Current portfolio by Joint Capability Area (JCA)



All fall under Building Partnership!

Force Application	C2	Battlespace Awareness
Net Centric	Force Protection	Force Support

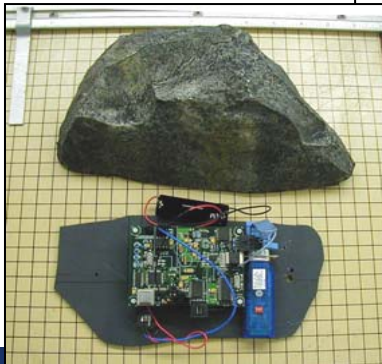


Project Examples

Force Protection

Passive and Active Detection of Special Nuclear Material(09-10)

Demonstrate near-term passive detection systems for stand-off detection of kilogram quantities of special nuclear material and interdiction team capabilities to locate and identify materials



Battlespace Awareness

Tactile Situational Awareness System (08-09)

Garment containing tactile stimulators that intuitively provides SA to pilots (useful for brownouts). Developing an extended torso application to provide pitch and roll and hover SA.

Advanced Dynamic Magnetometer for Static and Moving Applications (08-09)

Develop an advanced, low cost, rugged, easily disguised networked magnetometer for persistent battlefield surveillance and detection of moving magnetic signatures. Capability to “see” through walls, harbor and littoral protection

Command and Control

US JTRS Bowman VHF Waveform (02-03, 08-09)

Waveform to allow communication with UK Bowman system. Successfully demonstrated, currently in JTRS waveform library; porting testing in FY09. Requirement in next phase of JTRS program

FBCB2/SIR Interoperability Solution (08-09)

Cooperative project with France to exchange C2 data and information between two coalition battle command systems



Project Examples

Combat Identification

International Recognition of Combat Vehicles (09-10)

Collect and process imagery (visual and thermal, ground and air to ground) of coalition platforms for improvements to ROC-V training system

Mode 5 Identification Friend or Foe (IFF) (04-08)

Cooperative development and testing. Includes development and integration testing on AWACS and coalition platforms

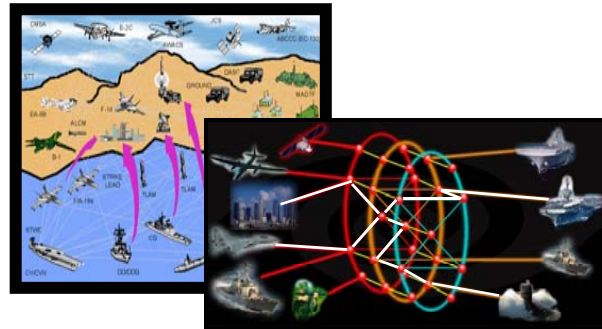
Maritime Domain Awareness

Multinational Information Exchange (FY06-07)

Secure architecture and certified rule sets for exchange of COP data with Singapore

Virtual Regional Maritime Traffic Center (FY08-09)

Maritime security project to share unclassified data with SOUTHCOM partners



Planning and Application

Multinational Turnkey C2 (FY08-09)

Support to NATO ACT to develop coalition C2 architectures and mission templates to improve JTF formations. Focused on NRF, specifically in ISAF

Leadership and Commanders Intent (FY06-07) and Optimizing Coalition Leaders (08-09)

Human Behavior studies on working with coalition partners in a net centric environment. Results will populate databases for acquisition and operational planning



Achieving Coalition Interoperability

- Warfighters need effective coalition partners
 - 2006 QDR Report: Building Partnership Capacity
 - COCOM Theater Security Cooperation Annexes
 - USD(AT&L) aims to increase interoperability with allies and partners
- Interoperability gaps have compromised operational effectiveness and jeopardized force protection (e.g., fratricidal incidents)
- R&D cooperation with coalition partners helps close capability gaps
- Small investments early in the R&D process can yield large dividends (e.g., Joint Strike Fighter)

Desire for strategy driven cooperation
Services focus on Service-unique issues first
Combatant Commanders lack discretionary funding



Need for Coalition Warfare Funding



Contact Information

Obtain more information at:

www.acq.osd.mil/ic/cwp.html

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CWP Project Timeline: Nomination/Selection Phase

	Project Manager	Partners	Sponsors	CWP Team	
Jul	<u>Conduct Groundwork:</u> <ul style="list-style-type: none"> • Develop ideas • Identify sponsor, funding • Work with international programs offices for any agreements required 				
Aug				Release Call Memo	
Sep				Distribute Call Memo	Kickoff Conf.
Oct					
Nov					
Dec					
Jan	Submit Executive Summary				
Feb	Submit Final Nomination Packages			Provide Feedback	
Mar				<u>Conduct Evaluation:</u> <ul style="list-style-type: none"> • Get feedback from SMEs, Embassies • Compare nominations to needs/gaps 	
Apr					
May					
Jun				Announce Decisions	
Jul	Submit Statement of Work, Updated Project Spend Plan, Quad Chart	Negotiate and Sign Agreements			
Aug					
Sep					



CWP Project Timeline: Execution Phase

	Project Manager	Sponsor	CWP Team
Oct			
Nov		★	
Dec		★	
Jan		★	Disburse Funding (Timing dependent on congressional action on defense budget)
Feb	Obligate Funding ASAP	★	
Mar		★	
Apr		★	
May		★	
Jun		★	
Jul		★	
Aug	Submit Updated SOW, Spend Plan, Quad Chart	★	Track Project's Status
Sep		★	
Oct		★	
Nov		★	
Dec	★ Submit Monthly Expenditure Reports	★	Disburse Funding (Timing dependent on congressional action on defense budget)
Jan		★	
Feb	★ Submit Quarterly Status and Expenditure Reports	★	
Mar		★	
Apr		★	
May		★	
Jun		★	
Jul		★	
Aug	Submit Final Project Report	★	
Sep		★	