



The Coalition Warfare Program (CWP) Blueprint for Successful International S&T Engagement Workshop

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*OU S(DA&S)
International Cooperation*

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Agenda

- CWP Overview
- Q&A
- CWP Project Briefings
 - ASFRJ
 - Q&A
 - Microbial Fuel Cells
 - Q&A



Building Blocks of Cooperation

International Engagement Activities

Acquisition of defense systems and equipment

- Cooperative and co-production
- Procurement of foreign equipment

RDT&E of technology and equipment

- Cooperative RDT&E projects
- Evaluation of foreign technology and equipment



Basic exchanges: people, information, material

- Defense personnel exchanges and assignments
- Information exchanges
- Loans

Planning and conceiving cooperative programs

- Exploratory discussions (NOT Negotiations)
- Bilateral forums
- Multilateral forums

Complexity



Coalition Warfare Program Overview

CWP leverages U.S. and foreign investments to conduct cooperative research and development projects with foreign partners. Program supports Department's goals:

- Collaboratively addressing **strategic technology gaps** for current and future missions
- Developing **interoperability** solutions for coalition operations
- Strengthening current defense **partnerships** and developing **new relationships**

CWP Projects:

- Selected through annual, competitive process
- Nominations evaluated by U.S. and partner subject matter experts
- Can ask for up to \$1.5M in total funding from the CWP (average request ~\$900K)
- Should complete CWP development and transition within 2-3 years
- CWP funds pay for U.S. activities

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Austria
Bulgaria
Croatia
Czech Republic
Denmark
Estonia
Finland

France
Germany
Greece
Hungary
Italy
NATO
Netherlands

Norway
Poland
Romania
Serbia
Slovakia
Spain
Sweden

Switzerland
Turkey
Ukraine
United Kingdom

Azerbaijan
Georgia
Israel
Jordan
Saudi Arabia

Canada
Mexico

- Since 2001, >170 Projects with 76 Partners
- >\$1.95B in U.S. and partner funding
- 38 active projects with 12 Partners

Bangladesh
Brunei
Cambodia
Fiji
India
Indonesia
Japan
Malaysia
Mongolia
Nepal
Philippines
Singapore
South Korea
Sri Lanka
Thailand
Vietnam

Bahamas
Belize
Dominican Rep
El Salvador
Honduras
Jamaica
Panama
Turks and Caicos

Argentina
Brazil
Chile
Colombia
Ecuador
Paraguay
Peru
Uruguay

Ghana
Madagascar
Sierra Leone
South Africa

Australia Guinea
Maldives Samoa
New Zealand Tonga
Papua New Tuvalu

Current Partners

Past Partners

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“Fulfilling our responsibilities depends on . . . a global security posture in which our unique capabilities are employed within diverse international coalitions and in support of local partners.” -2015 National Security Strategy



CWP Requirements

✓ DoD Submission

- ✓ CWP funds portion of U.S. part of project

✓ Cooperative RDT&E

- Government-to-Government partnership
- U.S. and Foreign Government PMs manage project and any other participants
- Both U.S. and foreign partners contribute to the research and development elements

✓ Equitable contributions from all partners

- CWP request is equal to or less than other US contributions
- Partner's contributions match U.S. total



✓ Written commitment

- Transition Manager(s) commitment to take outcome of project to next step
- Foreign government support for project scope and funding

✓ Addressing DoD validated needs


- Clear need to pursue project
- Clear gain at end of CWP project
- Advocacy by Combatant Commands

✓ Realistic expectations

- Goals are technically achievable
- Schedule reflects approval time of necessary legal vehicles—international agreements, licenses, etc.



Cooperative RDT&E Projects

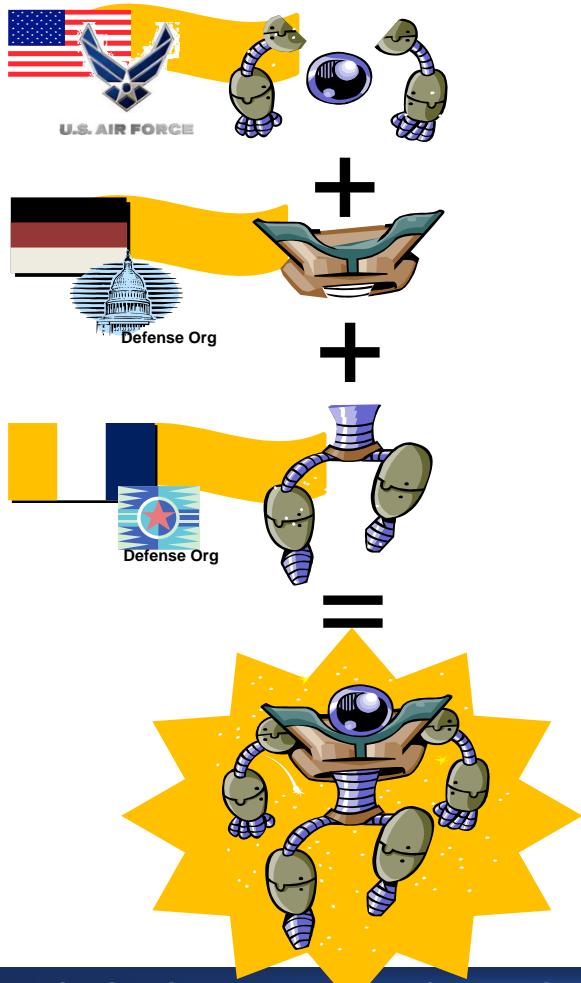
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- ✓ Partnerships
 - ✓ Government-to-government
 - ✓ Based on joint requirements
 - ✓ Joint, equitable funding
 - ✓ Joint management
 - ✓ Each participant pays for their own activities
 - ✓ Shared risk and gain
 - ✓ Governed by international agreements
 - ✓ Applicable to any stage of a system's life

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- ⊗ Buyer-Seller relationships
 - ⊗ Government-to-industry
 - ⊗ Operational exercise support
 - ⊗ Demonstrations for procurement
 - ⊗ Training for foreign partners on U.S. systems or U.S. training on foreign systems
 - ⊗ Loans of equipment
 - ⊗ Purely information sharing
 - ⊗ Personnel exchange

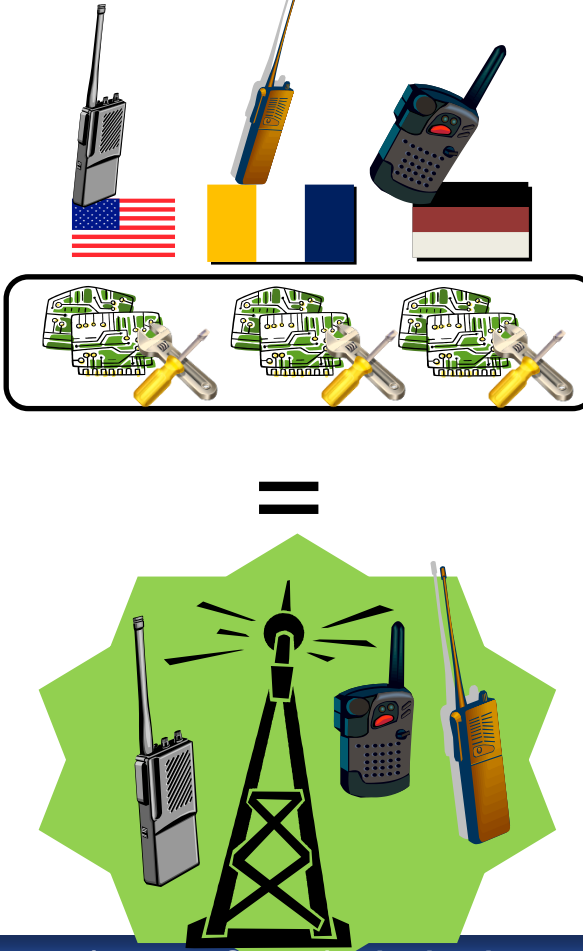
There are other programs and funding sources for these

Examples: Cooperative RDT&E

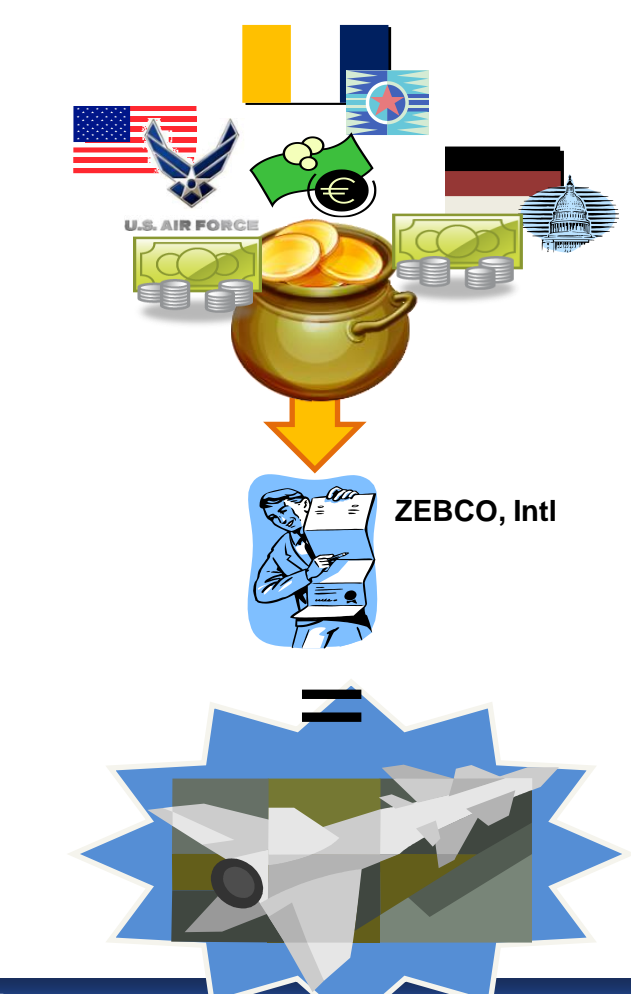
Integration of technologies to create a new system/subsystem



Creating new interfaces to improve interoperability between existing systems



Shared responsibilities to jointly develop new system/subsystem





How Foreign Partners Get Involved

- Generate Project Ideas
 - Identify defense interoperability or capability shortfall that could be addressed—or a solution that could be enhanced—through collaboration
- Suggest Collaboration to Partner(s)
 - Leverage Existing Relationships
 - Bilateral and multilateral forums; existing international agreements; ongoing development programs or ongoing RDT&E projects
 - Establish New Relationships:
 - Network
 - Request assistance:
 - U.S. Embassy Office of Defense Cooperation
 - CWP Visit to Washington, D.C. Embassy
 - Service and OUSD(AT&L)/International Cooperation Desk Officers



Summary: Coalition Warfare Program is a Great International Cooperation Tool

- International Cooperation keeps tech base strong and provides capability
 - Collaboratively share costs and outcomes
 - Increase effectiveness of our defense forces
- CWP is always looking for new cooperative R&D opportunities that deliver warfighter capability
- Additional CWP resources can be found at:
 - Website: www.acq.osd.mil/ic/cwp.html
 - Email: osd.coalition.warfare@mail.mil



“The sources of a great deal of today’s technical innovation are not located in the United States. We have global allies, friends, and trading partners who share our values and can assist us in pursuing innovation and technological superiority. Increased investments in cooperative research, co-development, and co-production may also provide better products for our warfighters at reduced cost.”
- Better Buying Power 3.0, April 9, 2015



International Cooperation (IC)

