



# RFD



## RAPID FIELDING DIRECTORATE

# *Foreign Comparative Testing (FCT)*

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# Outline



- **Foreign Comparative Testing (FCT)**
  - **What We Do**
  - **Projects**
  - **Participation with FCT**
    - **Best Practices**
    - **Timeline**
    - **Points of Contact**

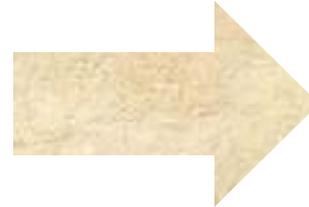


# What We Do



- **Find & Assess “Here & Now” Solutions**

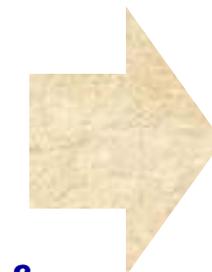
- ✓ Projects begin within a year, end within 18-24 months after contract award
- ✓ Testing at U.S. or foreign ranges
- ✓ Project value: Range of \$200K - \$2M
  - Average of \$800K



Mission: Rapidly Find, Assess & Field World-Class Products for Enhanced Military Capabilities

- **Supported by DoD Acquisition Policy**

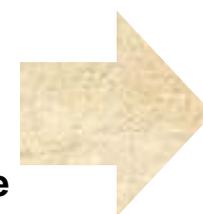
- ✓ Armaments Cooperation
- ✓ Testing of Allied & Friendly Foreign Countries' Equipment



Title 10, U.S. Code, Section 2350a(g): Determine ability of NATO & friendly foreign countries to satisfy U.S. requirements or operational deficiencies

- **Office of Secretary of Defense (OSD) Selects & Funds Projects**

- ✓ Clear Goal: “Assess & Procure Capabilities”
- ✓ Focus on mature technologies
- ✓ Whenever possible: Side-by-Side Competitive Evaluation

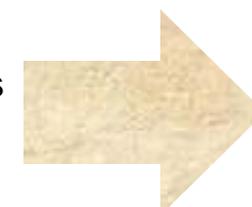


Technology Readiness Level (TRL)

- TRL 7: System prototype demonstration in an operational environment
- TRL 8: Actual system completed & 'qualified' through test & demonstration

- **Services & USSOCOM Execute**

- ✓ Nominate mature military or commercial products
- ✓ Conduct assessments & fielding



In 2012 we are funding 12 continuing projects & 9 new starts



# What We Do (Assess & Field)



From 2001-2011, 109 Items Deployed for Operations (1 of 2)

## 120mm Multi-Purpose High Explosive Rounds



Provides capabilities of 4 separate rounds in one for less cost and logistics burden (USMC & Rheinmetall, Germany)

## 84mm Carl Gustav & Multi-Purpose Rounds



Lightweight, Shoulder-Fired Rifle System & ammo for special operations (Army, USSOCOM & Saab Bofors, Sweden)

## Enhanced Body Armor



Second source to satisfy war demand for Level IV Protection. (Army & Saint-Gobain, Germany)

## Hostile Forces Tagging, Tracking, and Locating



Photos are representative only

Provides ability to detect the enemy from undisclosed remote locations. (USSOCOM & Various Vendors)



# What We Do (Assess & Field) (2 of 2)



## SOF Combat Assault Rifle



Flexible, reliable weapon for SOF units. Inter-changeable barrels in light (5.56mm) and heavy (7.62mm) version. (USSOCOM & FN Herstal, Belgium)

## Mobi-Mat Landing Pad & Beach Access



Stabilizes landing areas for MEDEVAC, refueling points & beach access (Navy & Deschamps, France)



## Buffalo Mine Protected Clearance Vehicles



V-shaped hull technology licensed to Force Protection, South Carolina for MRAP (Army & Denel Mechem, South Africa)

## Robotic Moving Target System



Trains live-fire moving target marksmanship & engagement skills during unit training exercises (Navy / USMC & Marathon Robotics Ltd, Australia)



# The Search for the World's Best Assessed Technologies / Products from 30 Countries



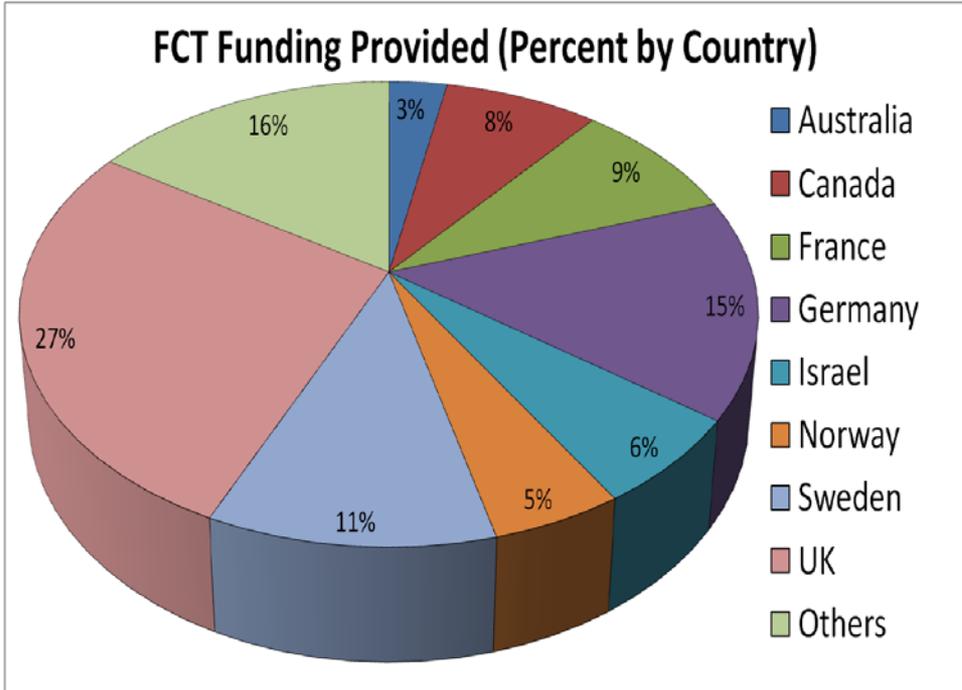
*Discussions Also Conducted with Argentina, Brazil, Bulgaria, Slovakia, & Turkey*



# Assessing & Getting Technology to the Fight By Country (FY 1980 – 2012)

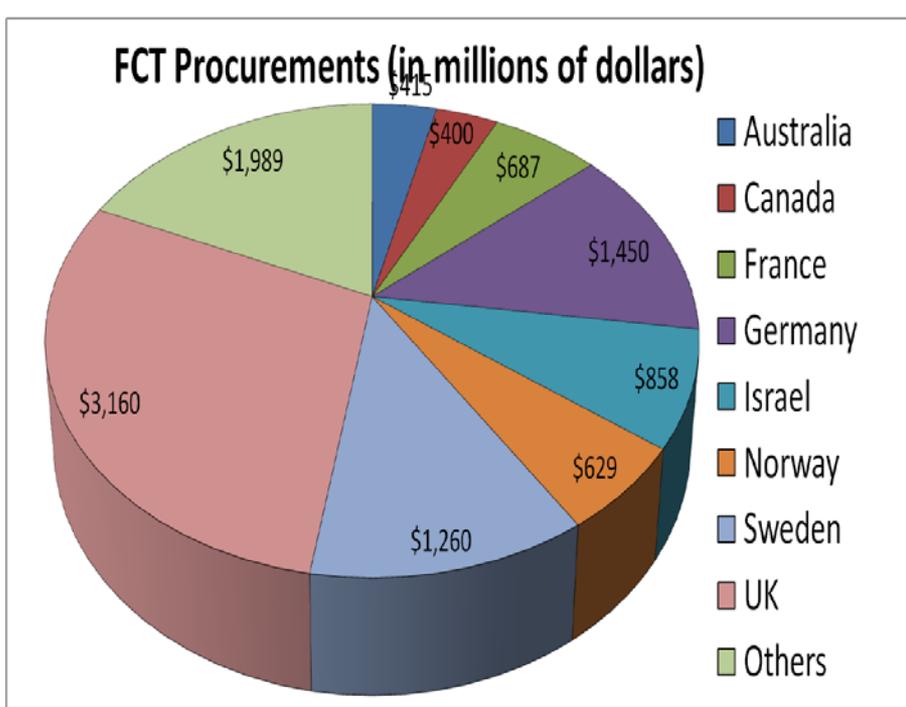


## FCT Funding Provided - \$1.15 Billion (Percent by Country)



\* Others -- Austria, Belgium, Croatia, Czech Republic, Denmark, Finland, Greece, Iceland, India, Italy, Japan, Netherlands, New Zealand, Poland, Republic of Korea, Russia, Singapore, Spain, South Africa, Switzerland, Taiwan, Ukraine

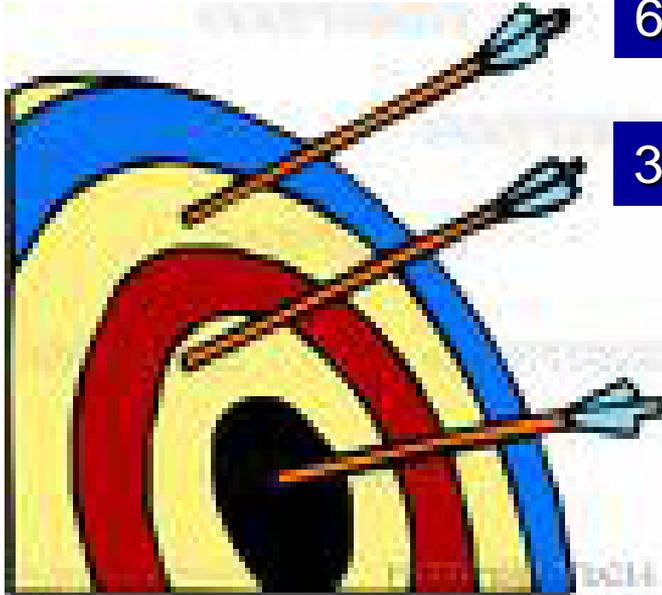
## Procurements - \$10.9 Billion (by Country)



\*\* Others -- Belgium, Denmark, Finland, India, Italy, Japan, Netherlands, New Zealand, Poland, Republic of Korea, Russia, South Africa, Switzerland



# Measuring Progress Metrics - Last 32 Years



655 Projects Started, 587 Completed

301 Projects Met Service Requirements

236 Projects - Procurements Worth \$10.8B

- Assessed Products from 30 Countries
- OSD Investment: \$1.15 Billion (constant FY12\$)
- Estimated RDT&E Cost Avoidance: \$7.60 Billion
- Accelerated Fielding Averages 5-7 years
- Procurement Rate: ~ 80%
- Foreign Vendor Teaming with U.S. Industry in 34 States



# FCT FY 13 Plans

## Milestones Fiscal Year 2013



## What Are We Looking For?

- So What (Saves lives, / game changer)?
- Who is Customer & Buyer?
- What's the Risk, Technology Maturity?
- Urgency / Timing?
- Have You Worked with DoD Before?

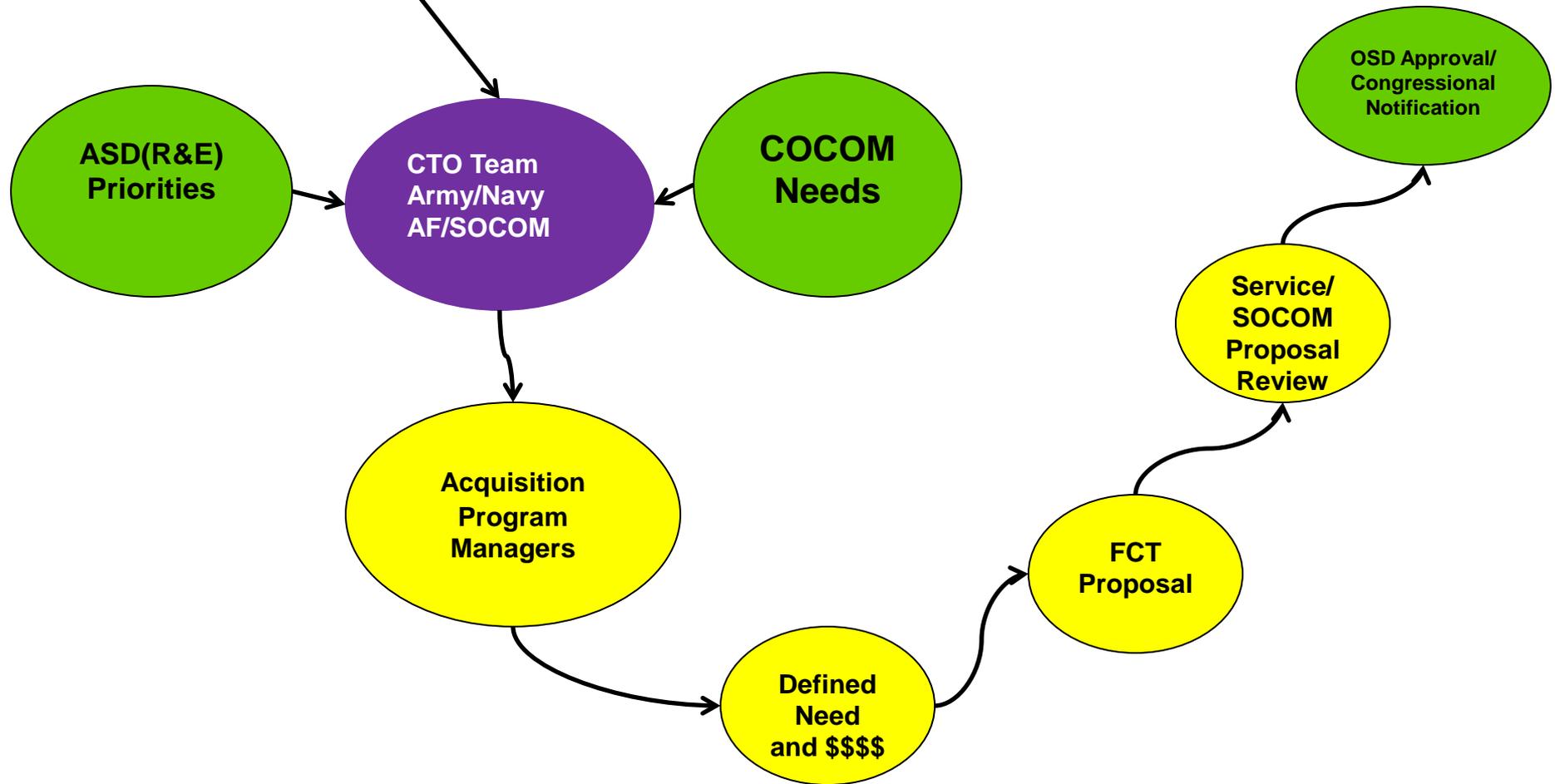
## Primary FY 2013 focus areas include the following (8-10 New Starts Anticipated)

- Enhanced infantry, vehicle, aircraft, and ship protection
- Reducing & lightening infantry loads
- Countering Anti-Access & Area Denial
- Cyber Defense
- Space situational awareness
- Other affordable, logistics solutions or world-class, mature technology that impact current operations for Overseas Contingency Operations



# What Is Next?

Technology





# Key Points of Contact



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# Questions?