

# ***Defense Threat Reduction Agency and US Strategic Command Center for Combating WMD Overview Briefing***

***23 June 2010***



**Distribution A: Approved for Public Release; Unlimited Release (22 June 10)**

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# Countering WMD - National Priority

- Proliferation of WMD and means of delivery is an existential threat
- WMD terrorism poses a ubiquitous danger
- The use of WMD would result in immense and enduring economic, political, & social damage
- The threat is immediate, growing, and evolving

*“... [T]raditional dilemmas posed by rising, resurgent, or rogue nation states coexist with a range of diverse, unconventional threats that transcend national borders. ... terrorist networks harnessing new technologies; weapons proliferation; environmental degradation; drug and human trafficking; cyber security; climate change; economic turmoil in the global markets; and the emergence of deadly and contagious diseases that can spread more rapidly than ever before in human history.”*

*Secretary of Defense Robert M. Gates, May 30, 2009*

# DTRA/SCC Evolution



DTRA evolved from the WWII “Manhattan Project”

Arms Control

Synchronizing CWMD Plans and Advocating Capabilities



1998

2006

DSWA

NBC Programs

Chemical and Biological Defense

Combat Support

Combating WMD

1942



Cooperative Threat Reduction

Nuclear Weapons Expertise



# DTRA's Mission

*To safeguard the US and its Allies from Weapons of Mass Destruction (Chemical, Biological, Radiological, and Nuclear) and High Yield Explosives by providing capabilities to reduce, eliminate and counter the threat and mitigate its effects*

**Chemical**



**Biological**



**Radiological**



**Nuclear**



**High-Yield Explosives**







# SCC-WMD's Mission

- SCC-WMD supports USSTRATCOM by:
  - Synchronizing DoD CWMD planning and integration activities with those of the USG
  - Identifying CWMD capability needs
  - Advocating for CWMD capabilities
- SCC-WMD leverages DTRA expertise, tools, and capabilities
- DTRA leverages SCC-WMD activity to improve its support to Combatant Commanders

*Planning Support to Proliferation Security Initiative  
Maritime Interdiction Exercise*



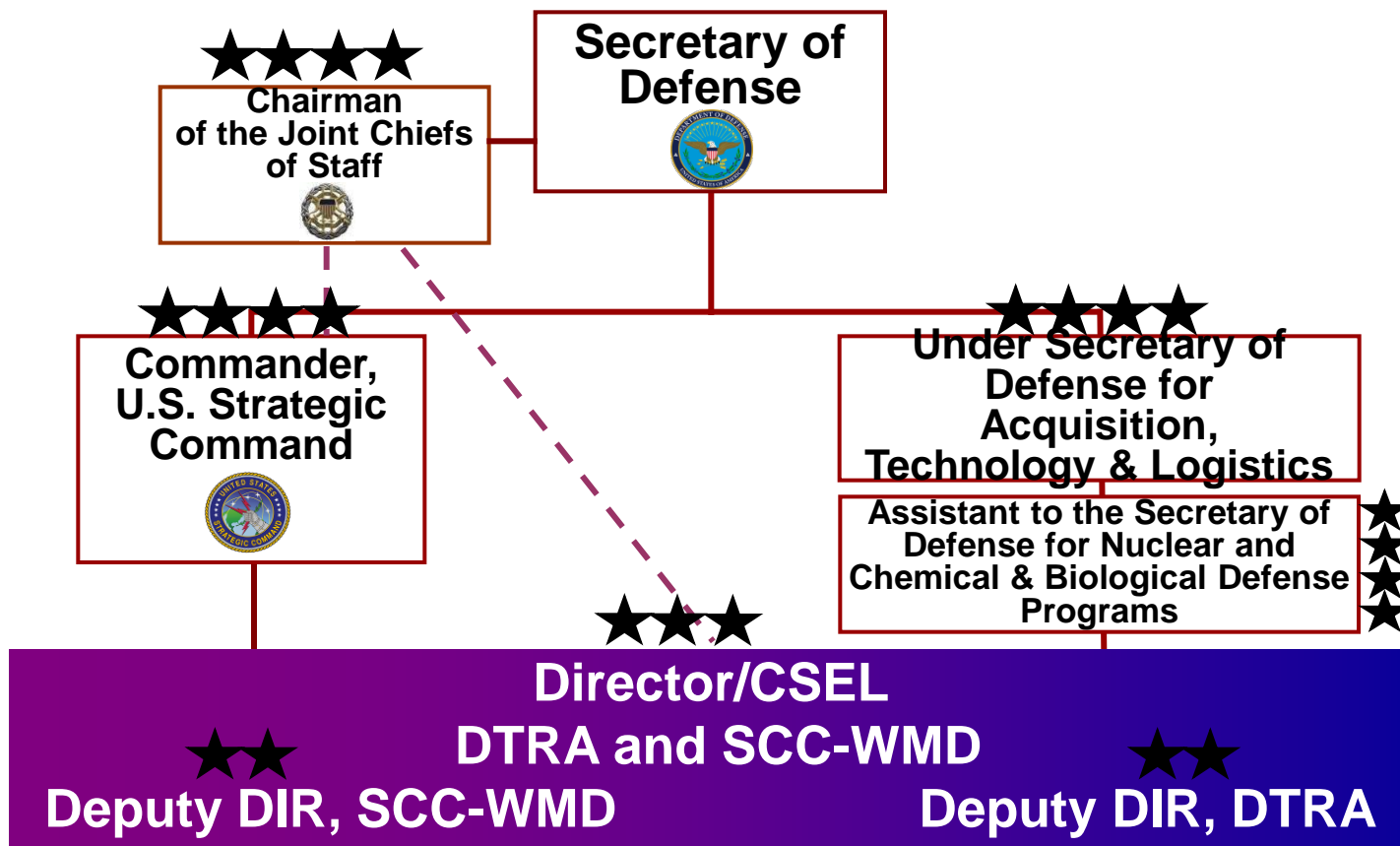
*Interdiction Support*



*Joint Elimination Coordination Element (JECE)*



# Command Structure





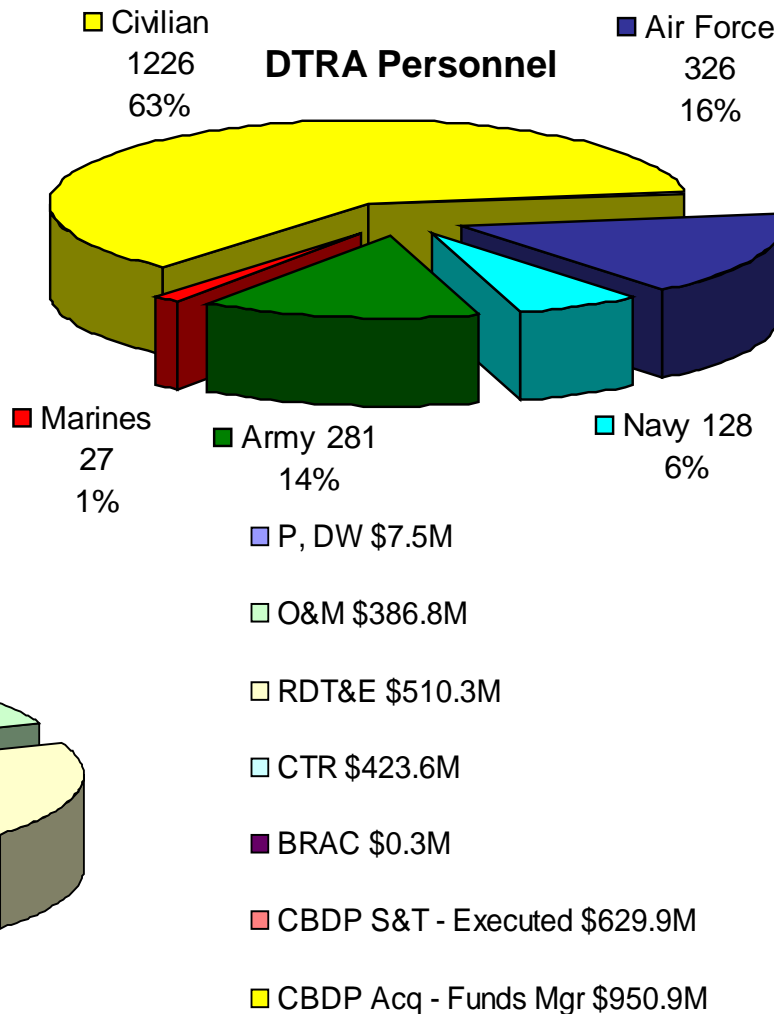
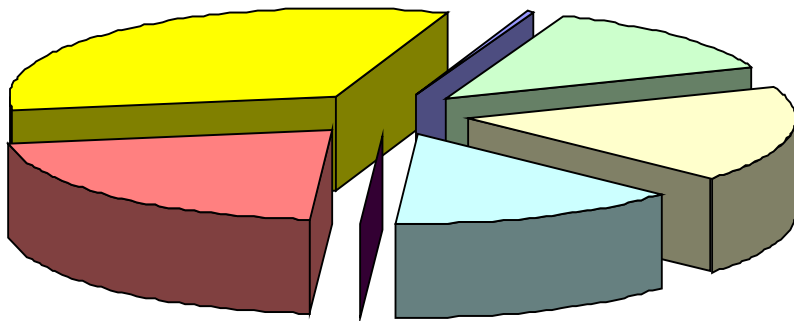
# DTRA & SCC-WMD Authorization and Budget

**Total DTRA Authorizations: 1,988**  
**(762 Military & 1226 Civilian)**

**Total SCC-WMD Authorizations: 42**  
**(32 Military & 10 Civilian)**

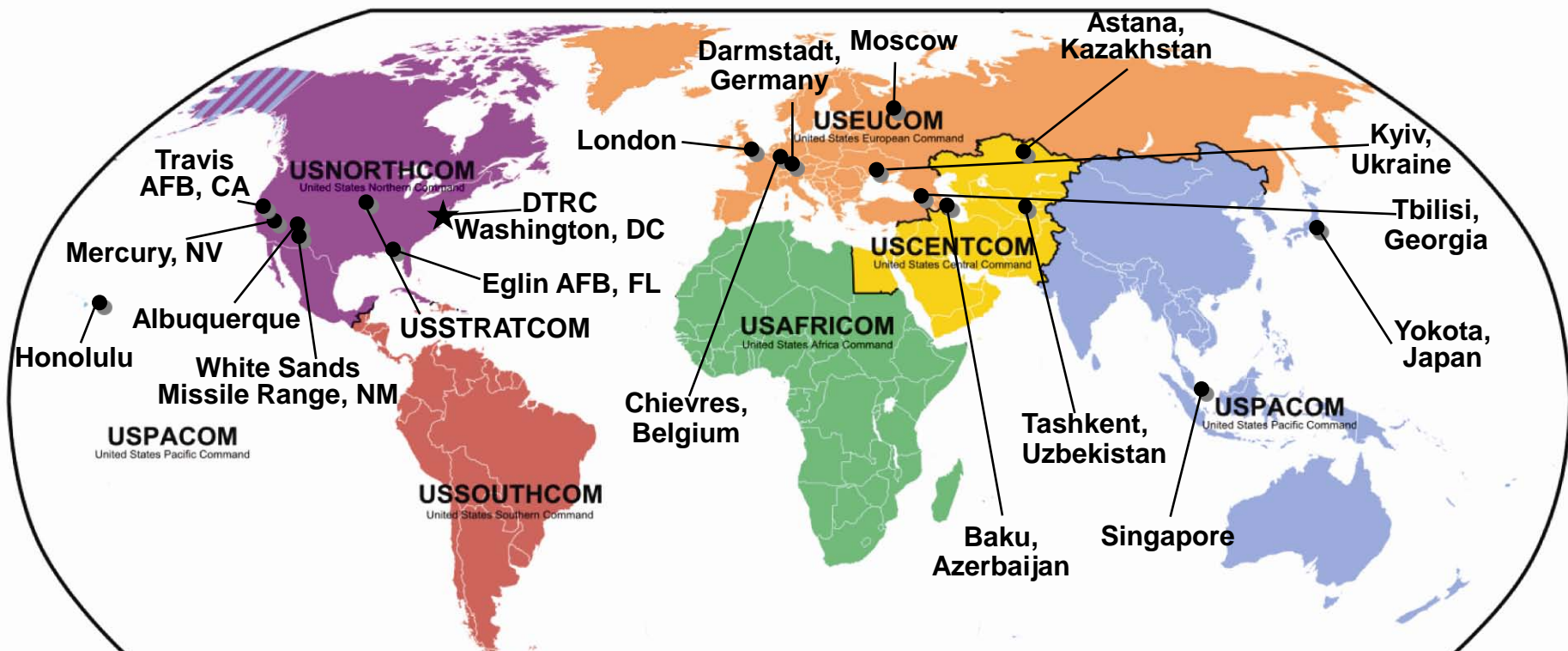
**Total Portfolio \$2.9B**

**DTRA  
Budget**



\* Data as of FY2011 President's Budget for FY2010/Dollars do not include \$51.3M reimbursable request

# Our Mission Requires Global Execution and Global Presence



- DTRC and SCC-WMD at Fort Belvoir, VA
- 29% of DTRA people located outside National Capital Region
- Liaisons at all COCOMs, USFK, Joint Staff, National Guard Bureau, & FBI
- Treaty Escort Teams at chemical demil sites in AL, AR, OR and UT
- More than 100 DTRA personnel deployed overseas on a typical day

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# DTRA/SCC-WMD Fulfill a Unique and Central Role in the National C-WMD Effort

## *National Countering-WMD (C-WMD) Mission Scope*

*Nonproliferation*

*Counterproliferation*

*Consequence Management*

DTRA provides C-WMD expertise and support at strategic (global and national), operational (theater), & tactical (battlefield) levels through:

- Cooperative threat reduction and international engagement
  - Planning, readiness, and operational support
  - Research and development
  - Integration of technology with tactics, techniques, and procedures
- ... In collaboration with interagency and international partners
- ... Across the full scope of the C-WMD mission: nonproliferation, counterproliferation, and consequence management
- ... Against chemical, biological, radiological, nuclear, and high yield explosive threats



# Nonproliferation - Missions



**ICBM  
Elimination**

**Missile  
Submarine  
Elimination**



**Nonproliferation**



**395 Arms Control Treaty Inspections**



**Improved Border  
Security in Ukraine**



**Azerbaijan Bio Central  
Reference Lab**



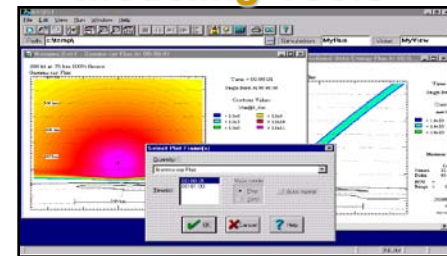
# Counterproliferation - Missions

**JDAM with Thermobaric Warhead**



**Tunnel Defeat Tests**

**Modeling Tools**

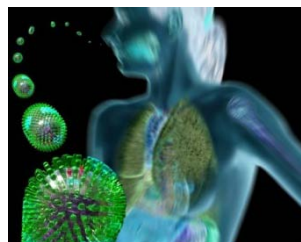


**SCC-WMD - PSI Exercise Support to Combatant Commanders**



**CBRN Unmanned Ground Vehicle**

**Counterproliferation**



**Transformational Medical Technologies Initiative and H1N1**



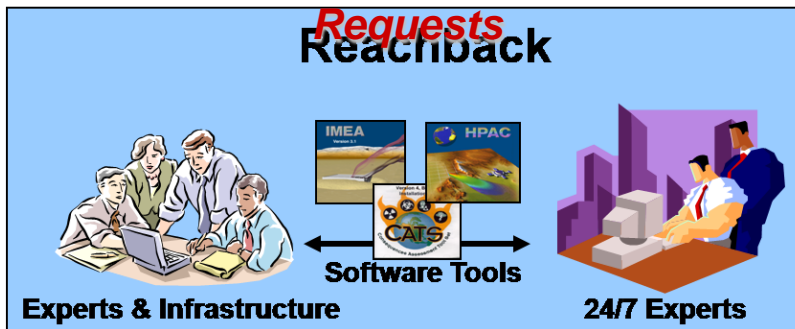
**Improved Nuclear Search**





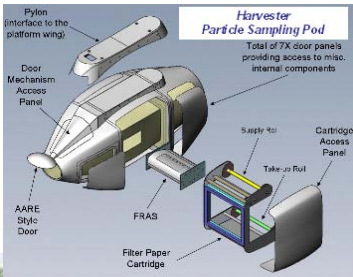
# Consequence Management - Missions

**Over 1000 Technical Reachback**



## Consequence Management

**Assistance to Civil Support Teams**



**Post-Nuclear Detonation Forensics**



**Foreign Consequence Management**







# Nuclear Support Missions



*Defense Threat Reduction University*

*Nuclear Weapon Stockpile Support and Accountability*



*Nonproliferation*      *Counterproliferation*      *Consequence Management*

*Defense Nuclear Surety Inspections*



*Nuclear Weapon Accident, Incident, Recapture, and Recovery Exercise Support*



*Nuclear Weapon Safety against Lightning Strikes*



# Nunn-Lugar DoD Cooperative Threat Reduction ...

**Caspian Sea Surveillance**



**Strategic Delivery System Elimination**



**Russian Chemical Weapons Destruction Facility**



- Performed in the Former Soviet Union and Albania
- Major objectives:
  - Assist other nations to meet their treaty obligations
  - Dismantle WMD and associated infrastructure
  - Consolidate and secure WMD, related technology, and materials
  - Increase transparency and encourage higher standards of conduct
  - Build foreign partnerships and collaboration

**Nuclear Weapons Storage Security**



**Cooperative Biological Research**



**Monitoring, Consolidating, and Securing Extremely Dangerous Pathogens**



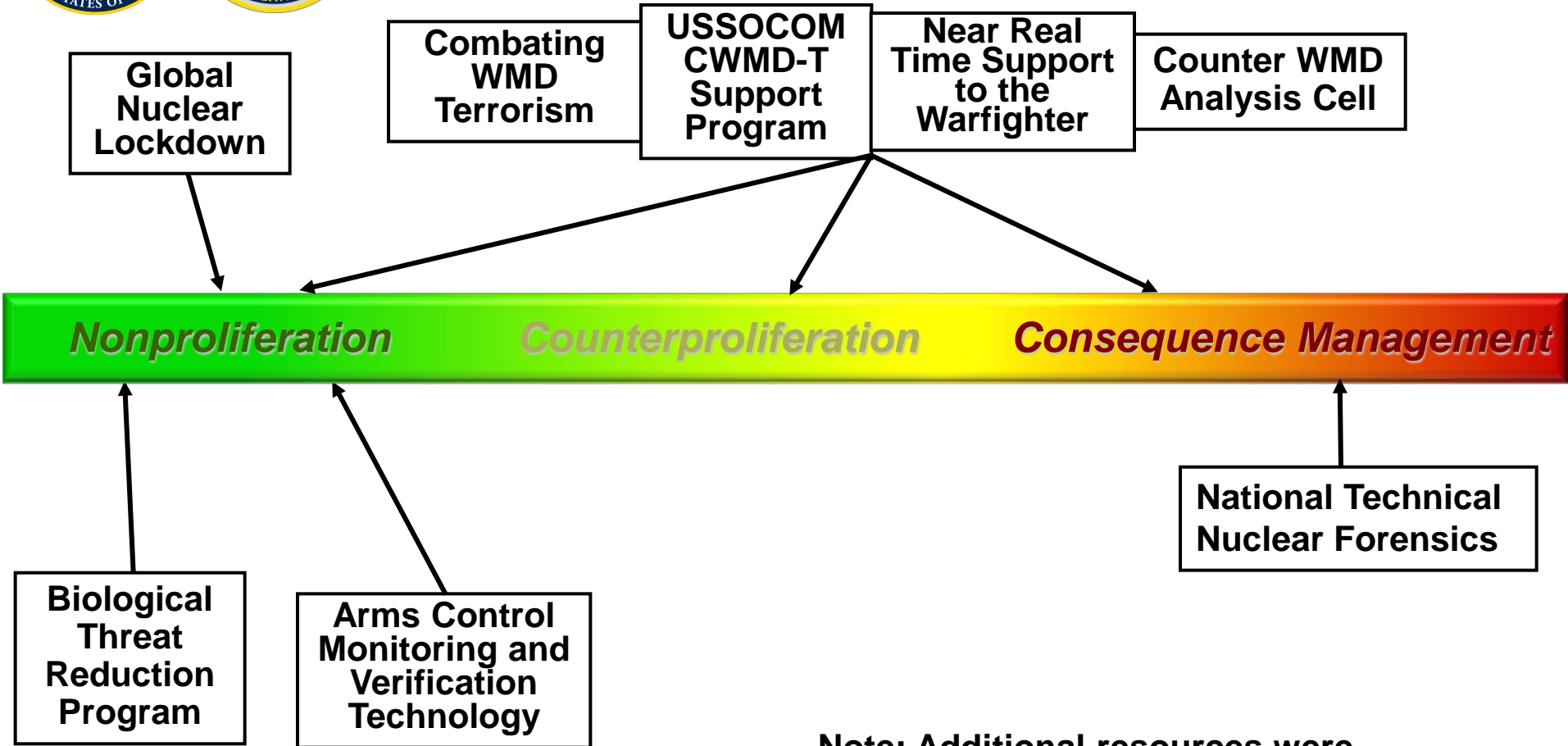


# Nunn-Lugar Global Cooperation: The New DTRA Model for Security Engagement

- DTRA support to and participation in WMD-focused global security engagement
- Agile, flexible, anticipatory, and responsive programs and activities
- Integration of CTR, arms control, multilateral/bilateral threat reduction and engagement programs, global situational awareness, and collaborative R&D
- Conducted through growing interagency and international partnerships
- Expanded support to Combatant Commands' Theater Security Engagement



# DTRA's FY11 Budget Request Will Accelerate C-WMD Capability Delivery



Note: Additional resources were provided for support to the Nuclear Deterrent in FY09 and FY10.



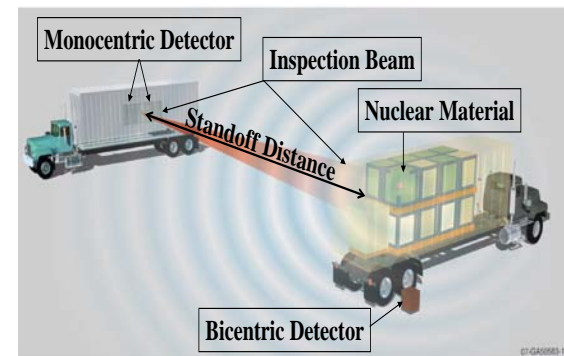


# Conclusion

- Countering WMD threats is a national priority
- DTRA and SCC-WMD fulfill a unique and central role in the effort
  - C-WMD expertise at strategic, operational, and tactical levels
  - Nonproliferation, counter-proliferation, and consequence management
  - Planning, readiness and operational support
  - Research and development
  - Integration technology with tactics, techniques, and procedures
- We team with interagency and international partners
- Our mission requires global execution and global presence
- Nunn-Lugar Global Cooperation is the new DTRA model for security engagement



# Making the world safer...



# ...by countering weapons of mass destruction

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