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

23 June 2010
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.”

DTRA evolved from the WWII “Manhattan Project”

- Arms Control
- Cooperative Threat Reduction
- Nuclear Weapons Expertise
- 1942
- Combat Support
- Combating WMD
- Chemical and Biological Defense

Synchronizing CWMD Plans and Advocating Capabilities

DSWA

NBC Programs

Chemical and Biological Defense
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.
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

Chairman of the Joint Chiefs of Staff

Commander, U.S. Strategic Command

Secretary of Defense

Under Secretary of Defense for Acquisition, Technology & Logistics

Assistant to the Secretary of Defense for Nuclear and Chemical & Biological Defense Programs

Director/CSEL

DTRA and SCC-WMD

Deputy DIR, SCC-WMD

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

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

Total Portfolio $2.9B

* 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
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

Missile Submarine Elimination

ICBM 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
- Improved Nuclear Search
- SCC-WMD - PSI Exercise Support to Combatant Commanders
- Transformational Medical Technologies Initiative and H1N1
- CBRN Unmanned Ground Vehicle
- Modeling Tools
Consequence Management - Missions

Over 1000 Technical Reachback Requests

Experts & Infrastructure
Software Tools
24/7 Experts

Consequence Management

Post-Nuclear Detonation Forensics

Assistance to Civil Support Teams

Foreign Consequence Management
Nuclear Support Missions

- Nuclear Weapon Stockpile Support and Accountability
- Defense Threat Reduction University
- Nuclear Weapon Safety against Lightning Strikes
- Nonproliferation
- Counterproliferation
- Consequence Management
- Defense Nuclear Surety Inspections
- Nuclear Weapon Accident, Incident, Recapture, and Recovery Exercise Support
Nunn-Lugar DoD
Cooperative Threat Reduction …

- 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

Caspian Sea Surveillance
Strategic Delivery System Elimination
Russian Chemical Weapons Destruction Facility
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

Global Nuclear Lockdown

Combating WMD Terrorism

USSOCOM CWMD-T Support Program

Near Real Time Support to the Warfighter

Counter WMD Analysis Cell

Nonproliferation

Counterproliferation

Consequence Management

Biological Threat Reduction Program

Arms Control Monitoring and Verification Technology

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