

DEFENSE THREAT REDUCTION AGENCY



Making the World Safer

***Making the World Safer:
reducing the threat of
weapons of mass destruction***

Weapons of mass destruction are the most serious threat to the United States



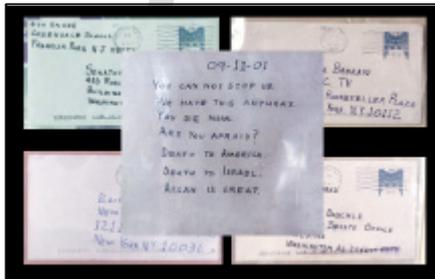
Nuclear Weapons

*...difficult to acquire,
devastating in use*



Chemical Weapons

...cheap and easy to make



Biological Weapons

*...use available technology and
are potentially catastrophic*

DTRA's mission...

**Reduce the present threat
Prepare for future threats**



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Dozens of attempted nuclear smuggling incidents are reported annually

...there are more than 1,500 metric tons of separated plutonium in the world — enough for more than 200,000 nuclear weapons



nuclear



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Tokyo subway attacks killed twelve and injured more than 5,500

*...one milligram of sarin
can kill one person*



chemical



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Recent anthrax attacks killed five, exposed hundreds, and resulted in costly cleanup activities

*...one billionth of a gram of
anthrax can kill one person*



biological



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Using a full spectrum of tools to reduce the present threat and prepare for future threats

Arms Control:

Inspecting threats at the source and stopping them at national borders

Threat Reduction:

Dismantling the former Soviet nuclear arsenal in place

Technology Development:

Developing, testing and fielding offensive and defensive technologies

Chemical and Biological Defense:

Assuring operations in hostile environments and consequence management

Combat Support:

Assessing vulnerabilities, assuring the nuclear deterrent

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Arms Control:

Taking threat reduction to the source

***Implementing
intrusive arms control
inspections to fulfill
U.S. treaty obligations***



***Successes include
the START, INF and
CFE treaties***

On-Site Inspection



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Arms Control:

Stopping the spread of weapons of mass destruction

Enhancing border security across the former Soviet Union to prevent WMD smuggling

Currently training and equipping border guards on the proliferation front lines



Nonproliferation

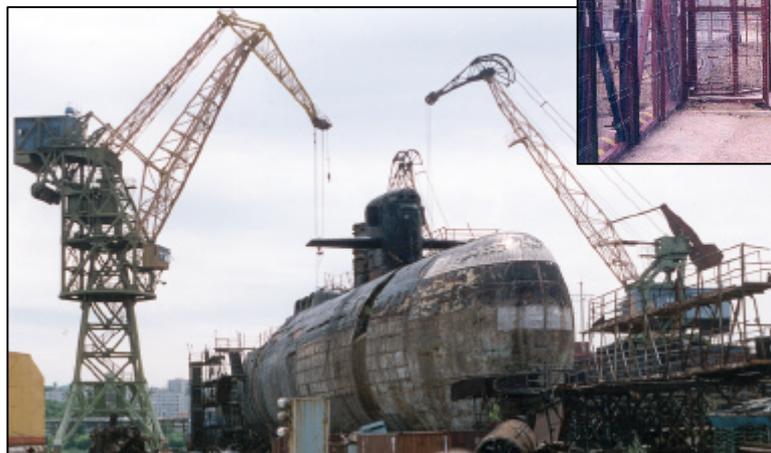


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Cooperative Threat Reduction:

Securing and dismantling strategic offensive arms

Enhancing Russian nuclear weapon storage and transportation security while eliminating strategic bombers, missiles and submarines



Belarus, Kazakhstan and Ukraine are now nuclear weapon-free

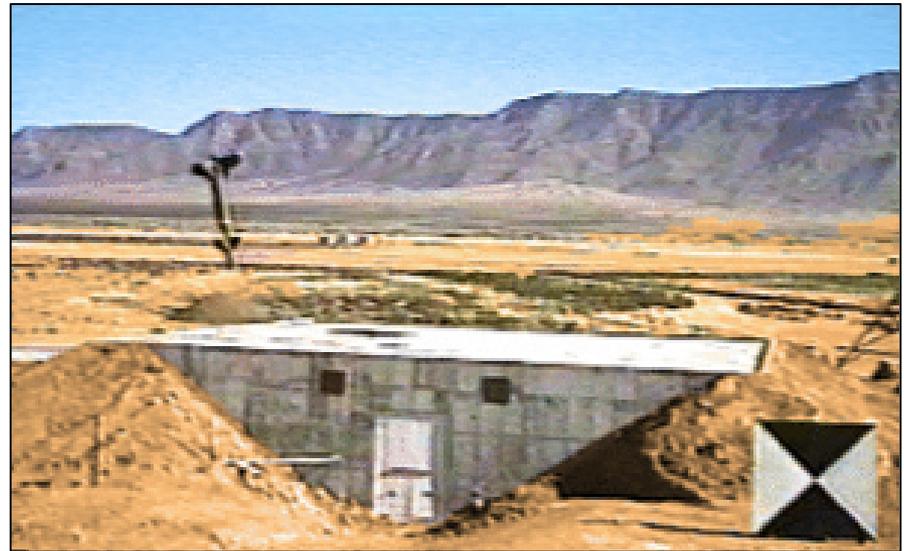
Cooperative Threat Reduction



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Technology Development:
Taking the fight to the enemy

Rapidly developed thermobaric tunnel-busting weapons and cruise missile penetrator warheads



DTRA is the near-term interface between R&D and the warfighter

Counterproliferation



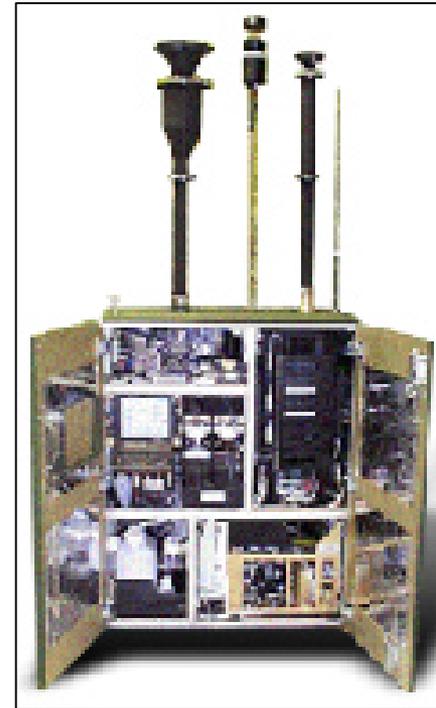
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Nuclear, Chemical and Biological Defense:

Detecting weapons of mass destruction threats

Developing an unconventional nuclear warfare protection system, chemical agent detectors and a prototype biological defense capability

Fielded highly-successful “Smart Building” at 2002 Winter Olympics in Salt Lake City



WMD Detection



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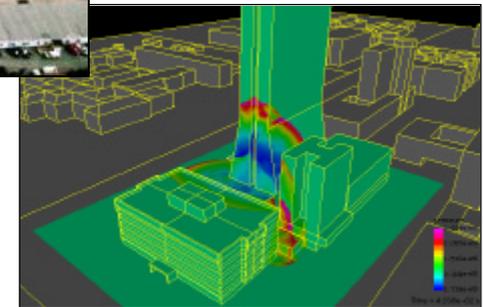
Combat Support:

Protecting our nation against weapons of terror

Force protection techniques and developing blast mitigation technology



Scenario development and threat modeling and simulation



Pentagon renovation saved lives and DTRA provided critical support to the Salt Lake Winter Olympics

Homeland Security



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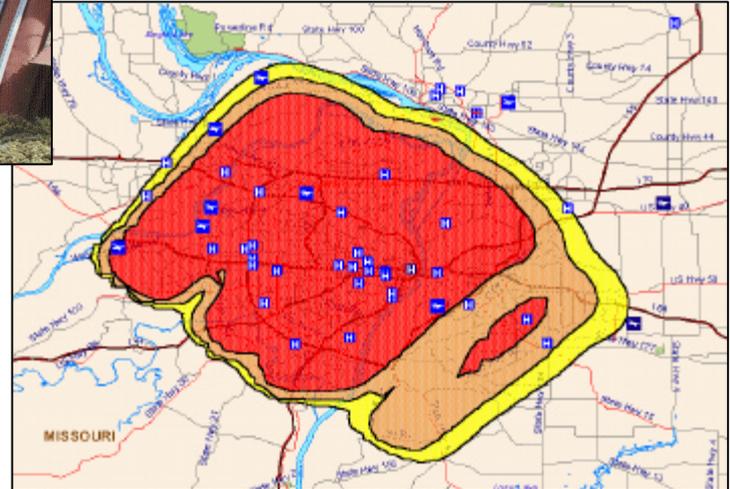
Combat Support:

Reducing the impact of unthinkable incidents

**WMD
incident
response**



**Developed hazard
prediction and
assessment software**



**Provided consequence
management advice to
national exercises,
including TOPOFF 2000,
Bush Inaugural, 2002
Winter Olympics**

**Consequence
Management**



Combat Support:

Deterring the use of weapons of mass destruction

Sustaining our nuclear deterrent



***Developed the first
nuclear weapon
management plan for the
Department of Defense***

Nuclear Deterrence



Making the World Safer

Partnerships with the Joint Staff and Services, Combatant Commands and other Federal Agencies



Joint Staff and Services



Combatant Commands



Other Federal Agencies

DTRA partners with the Joint Staff and Services, Combatant Commands, and other Federal agencies to ensure that the best operational practices and technologies are delivered to our customers

Effective Partnerships



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Strong enabling directorates are the foundation for everything we do



**Resource management:
people and money**



**Information management:
tying it all together**

**Safe, Secure and
Efficient**



**Security and
asset protection**



**Acquisition excellence --
better, faster, cheaper**



**Superior logistics and
facilities management**

Mission Success



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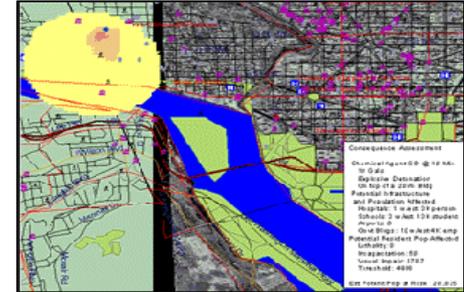
DTRA delivers mission success



Thermobaric weapons



Cruise missile penetrator warhead



Models of WMD use in urban areas



Playbooks of WMD consequence management

- 6020** Warheads Deactivated
- 833** ICBM/SLBMs Destroyed
- 97** Bombers Eliminated
- 24** SSBNs Destroyed

Former Soviet strategic arms elimination



Open Skies Treaty entry into force



DTRA successes in the making



***Hellfire thermobaric
weapon on UAV***



***Urban bio-defense
initiative***



***Training the trainers to
deal with WMD***



***Restoring operations
after chemical attacks at
airports and seaports***



***Assuring the
viability of the
nuclear deterrent***

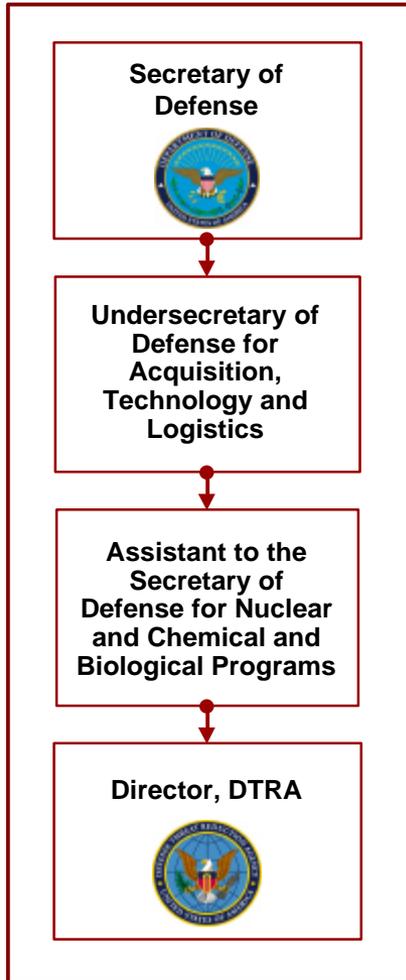


***Targeting and analysis in
support of the warfighter***



DTRA is a defense combat support agency

Leadership Structure



Headquarters Facilities



**McNamara Building
Ft. Belvoir, VA**

**Hybla Valley
Federal Building
Alexandria, VA**

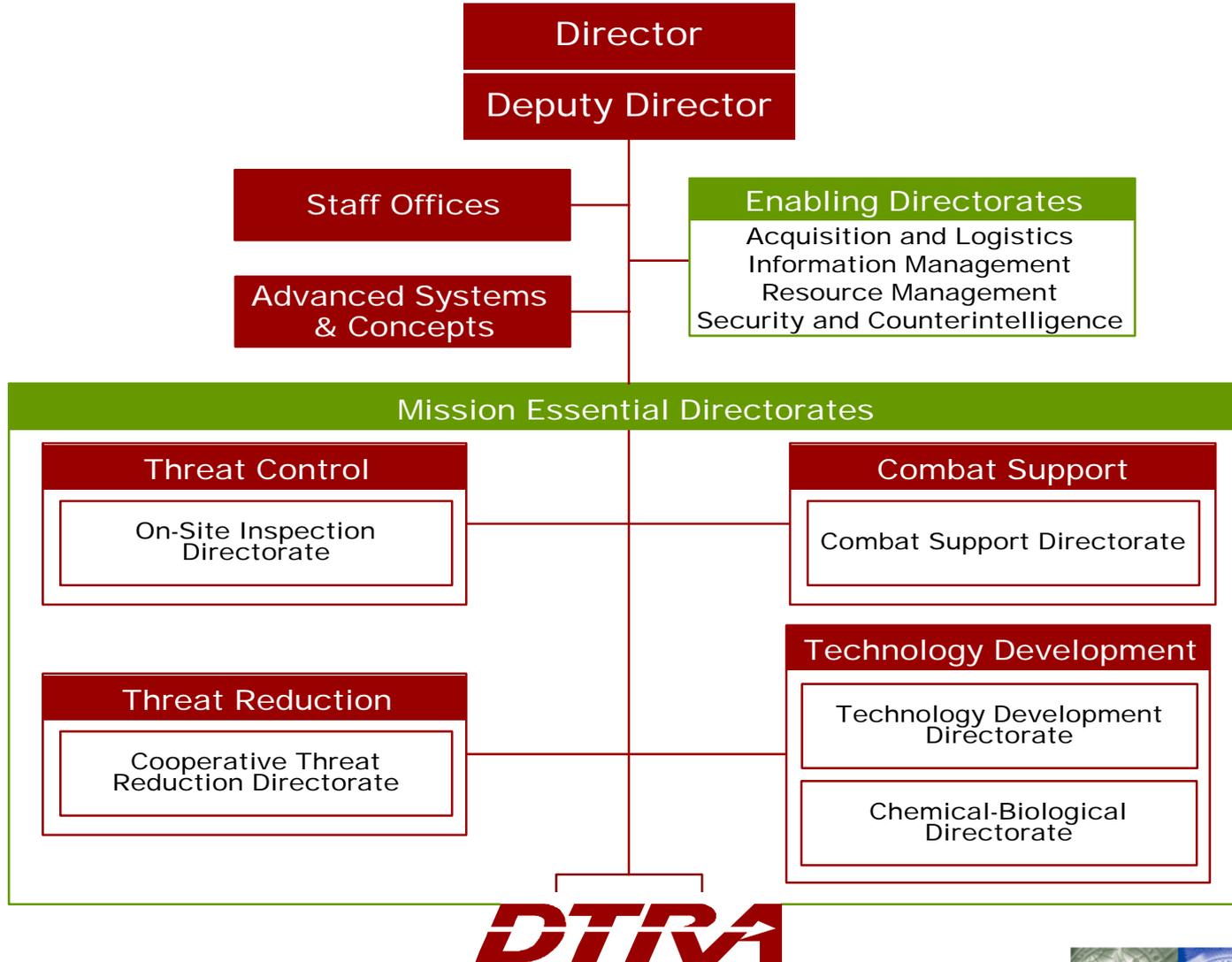


***Reporting to the Assistant to the Secretary
of Defense for Nuclear, Chemical and
Biological Defense Programs***



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DTRA is organized according to mission functions



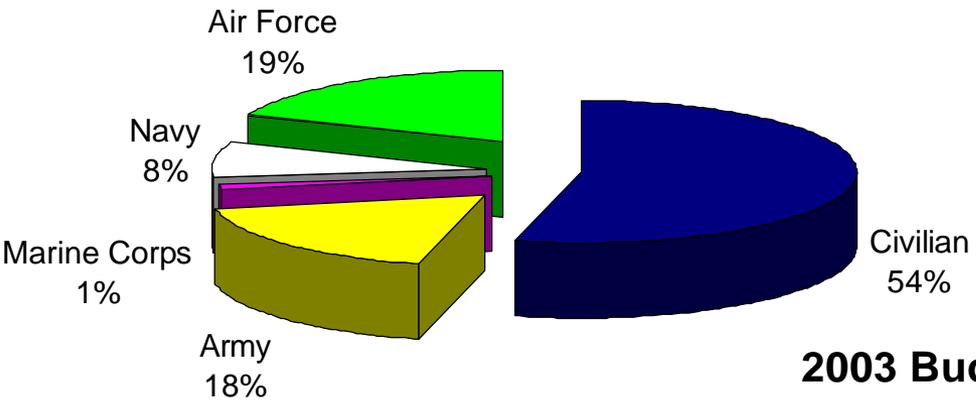
DTRA



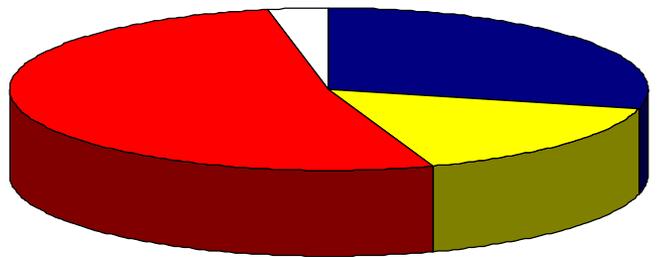
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An equal mix of military and civilian staff ensure a balance of warfighter support and program continuity

**Total Authorization:
992 Military and 1,149 Civilian Personnel**



2003 Budget



- DTRA Total Obligation Authority (FY03 - \$756.2M)
- Cooperative Threat Reduction (FY03 - \$416.7M)
- Chem/Bio Defense Program (FY03 - \$1.3736B)
- External (FY03 - \$77.0M)

Our people are our strength



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DTRA

Making the World Safer...



**...by reducing the threat of
weapons of mass destruction**