

UNCLASSIFIED



DEFENSE THREAT REDUCTION AGENCY

***Defense Threat
Reduction Agency
Overview Brief***

Deter. Prevent. Prevail.

March 6, 2023

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DTRA Overview

DTRA Mission

As both a *Defense Agency* and *Combat Support Agency*, DTRA provides cross-cutting solutions to enable DoD, USG, and international partners to:

Deter Prevent Prevail

Leadership



Director
Ms. Rebecca Hersman, SES



Acting Dep. Dir.
Brig. Gen. Peter
Bonetti, USAF



Executive Director
Dr. Rhys Williams,
SES



Command Senior
Enlisted Leader
CSM Brant
Shyrigh, USA

DEFENSE AGENCY

In this more *strategic role*, we reduce global WMD and emerging threats by deterring adversaries' acquisition and use of such materials.

We support key DoD policy and priorities through cross-service, DoD-wide programs such as nuclear assurance, treaty support, and building partner capacity.

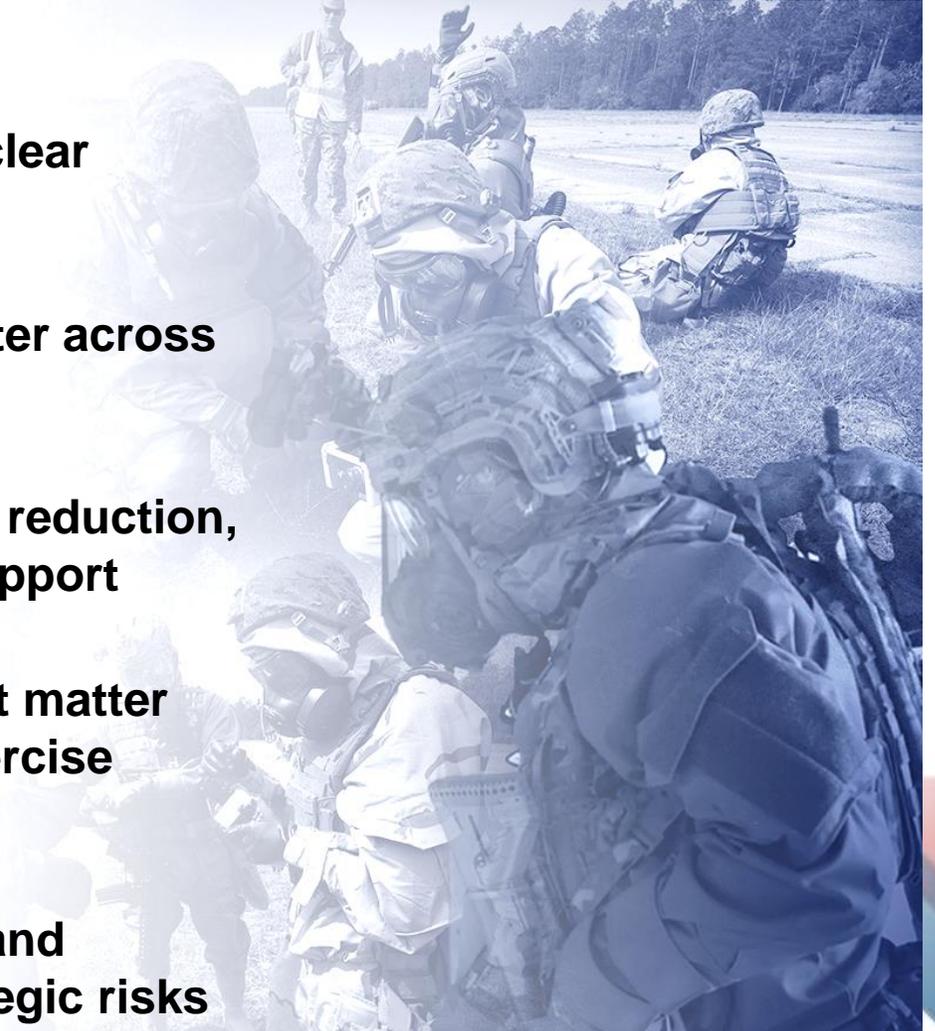
COMBAT SUPPORT AGENCY

In this more *operational role*, we work to identify, develop, and field solutions to counter WMD and emerging threats, leveraging unique capabilities and expertise in direct support of Joint Staff and Combatant Command requirements.



DTRA Core Functions

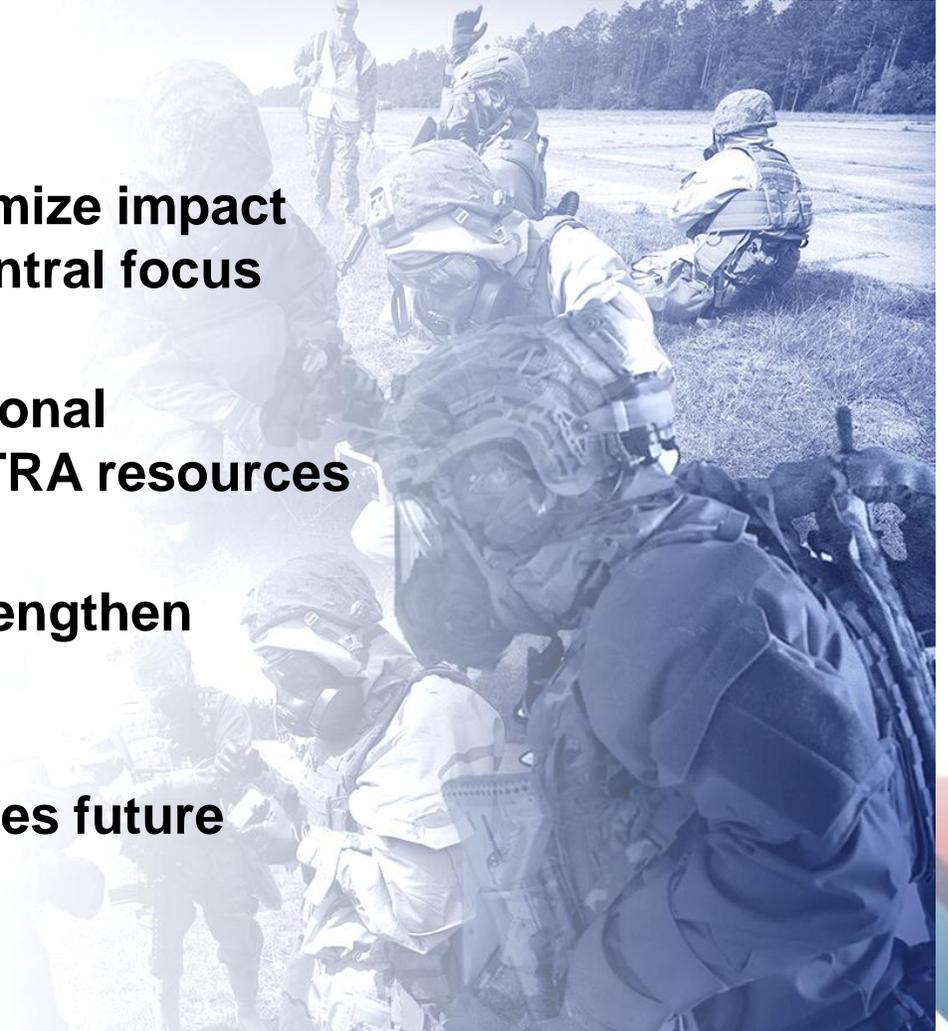
- 1. Ensure a reliable, resilient strategic deterrent through nuclear surety, mission assurance, and crisis response activities**
- 2. Develop and deliver innovative capabilities to the warfighter across the threat spectrum**
- 3. Prevent, reduce, and eliminate CBRN threats through risk reduction, arms control, partner capacity building, and warfighter support**
- 4. Provide strategic and operational support through subject matter expertise, technical reach-back, tailored analysis, and exercise support**
- 5. Support the Joint Force with plans, concepts, exercises, and materiel solutions to address CBRN operational and strategic risks**





Essential Approaches

- **Campaigning** - DTRA activities coordinated to maximize impact against most pressing challenges, with China as central focus
- **Integrating** - Collaborative culture overcomes functional boundaries & synchronized processes maximize DTRA resources
- **Partnering** - Enduring partnerships leveraged to strengthen whole-of-nation and international CWMD efforts
- **Posturing** - Forward-leaning approach that anticipates future threats and requirements





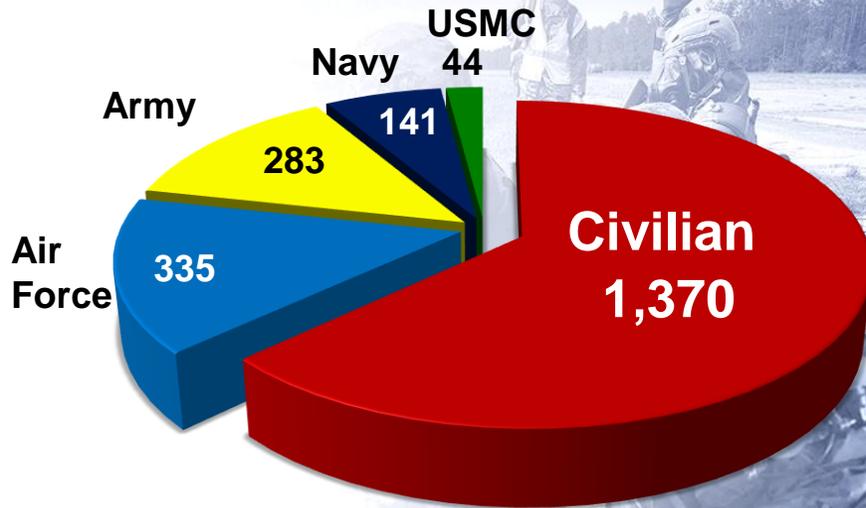
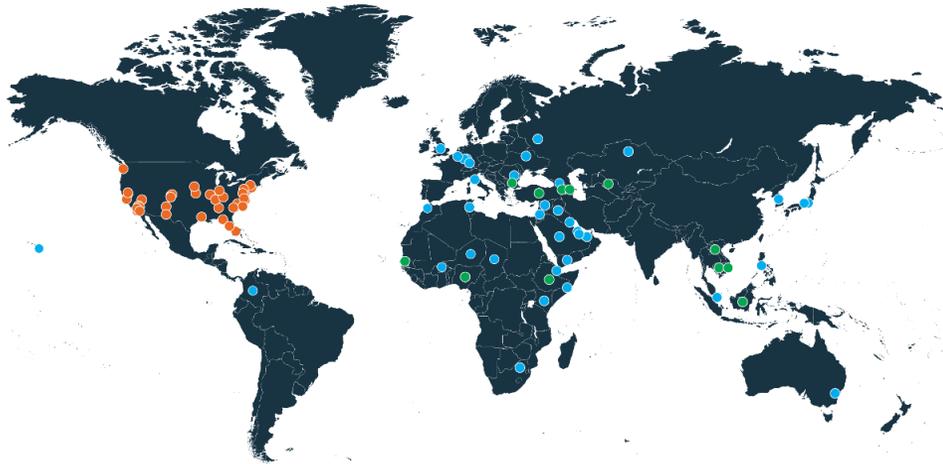
Our People

Budgeted FTE's: 2,173

(803 Military & 1370 Civilian)

Contractor personnel: ~ 3000

Total DTRA Workforce: 5,173



1,095 located outside the NCR

406 spread across **54** countries



Research and Development Directorate



Deliver innovative solutions that meet current mission requirements at the speed of relevance

Anticipate and prepare for emerging and future threats with a balance of fundamental and applied research across the portfolio



Mobile Field Kit

Designed as a CBRN-focused mission planning and execution software suite

- Connects users and devices at the tactical edge
- Adopted by all 57 National Guard Civil Support Teams
- Flexible to fit mission
- Network and device agnostic
- Can integrate with 70+ sensors
- Interoperable with Tactical Assault Kit and other C2 systems

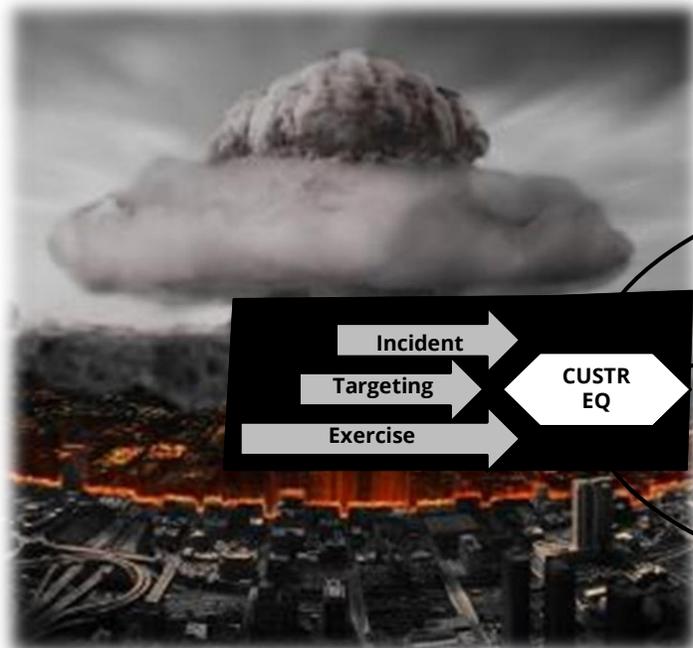




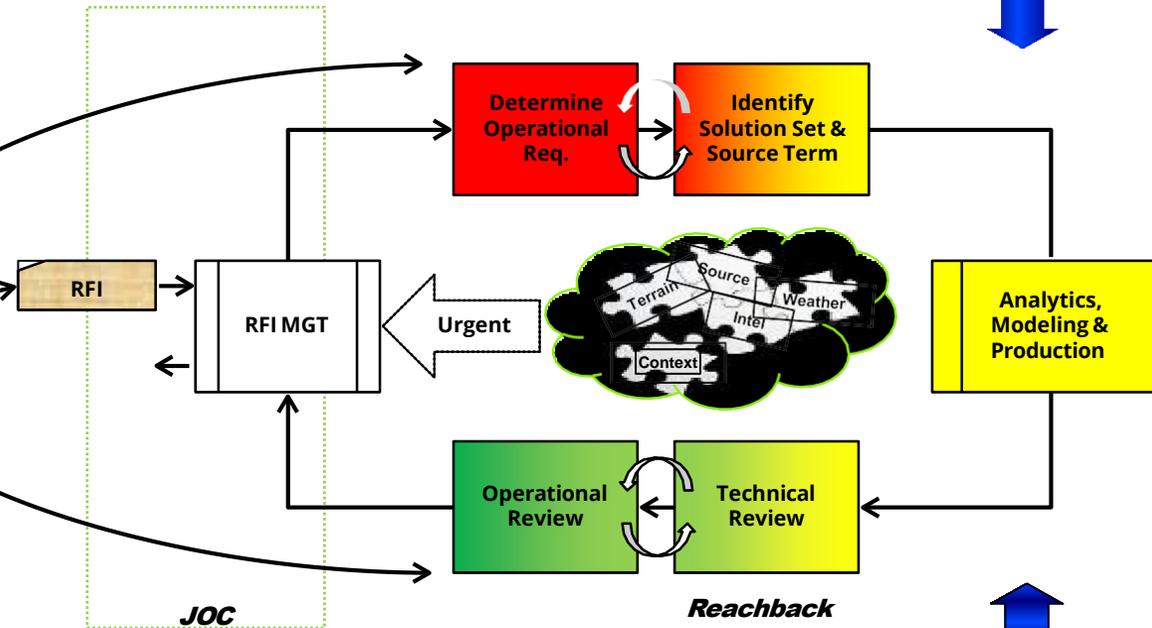
Technical Reachback



DTRA's Joint Operations Center (JOC) coordinates activities for a unified response
DTRA's Technical Reachback = technical hub for analysis, modeling and simulation

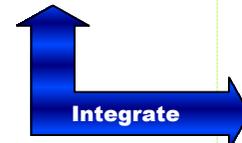


Operational Environment



JOC

Reachback





RD Transition: Products + Pathways + Customers

Products

Matériel product, device, or prototype
Firmware/software
Analytical Reports to inform continuing technology development (TD) or requirements documentation, support future testing, or for decision support
Technical data packages (TDP) describing a technology development sufficient for incorporation in a POR
Test fixtures or apparatus that will be enduring
Manufacturing fixtures, tools, dies, and molds for production or a technical description sufficient for their fabrication

Pathways

Program of record
Direct to operational use
Commercialization
Continued development by another organization
DTRA program insertion
Enables another Government agency
Leads to development of a standard or benchmark

Customer Examples

JPEO CBRND
SOCOM
Other CCMDs
Organizations within the military services, e.g., USANCA
IC
HHS/BARDA
HHS/CDC
DHS/DOE
Other programs within DTRA
Commercial entities
International Partners

Lessons Learned

Cost Reduction

Reduced Schedule

Increased Performance

**Analytical Report Programs- Enabled CCMDs, other Government agencies (DHS, HHS)
Responded to more than 1000 RFI with 95% meeting decision support timeliness needs of customers**



For more information, please visit us at

www.dtra.mil

DTRA R&D

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