



DEFENSE THREAT REDUCTION AGENCY

## *RD Overview & Opportunities Session*

*Department of Defense  
Historically Black Colleges & Universities and Minority-Serving  
Institutions (HBCU/MI) Opportunities Workshop and Intern Seminar*

Controlled by: Defense Threat Reduction Agency  
Controlled by: Research and Development Directorate  
CUI Category: None  
Distribution/Dissemination: Distribution A,  
Approved for public release; distribution is unlimited  
POC: Treniece Terry, 571-616-5264



# OUR HISTORY

*An Agency defined by 80 years of evolution...*

*that continues to evolve...*



1941-1947  
Manhattan  
Engineering District



1947-1959  
Armed Forces  
Special Weapons  
Project



1959-1971  
Defense Atomic  
Support Agency



1971-1996  
Defense Nuclear  
Agency



1996-1998  
Defense Special  
Weapons Agency



1998 -  
Defense Threat  
Reduction Agency

*...to address the most consequential threats to our national security*



# WHO WE ARE: DTRA'S MISSION

The Defense Threat Reduction Agency enables Department of Defense (DoD), the U.S. Government, and International Partners to counter and deter Weapons of Mass Destruction (WMD) and Emerging Threats.



## Combatant Command Customers



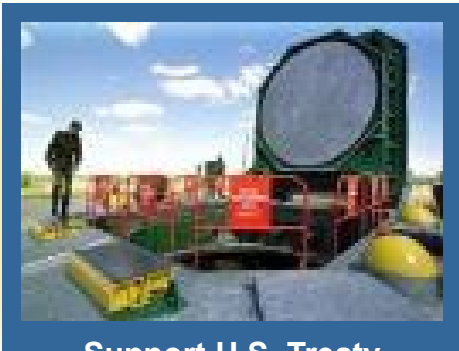


# DTRA CORE FUNCTIONS

**DTRA leverages the breadth of our core functions to provide tailored and agile solutions. These solutions are integrated with DoD, the U.S. interagency, and global partners to meet today and tomorrow's WMD and emerging threats and challenges.**



**Support Nuclear Deterrence**



**Support U.S. Treaty Implementation and Verification Activities**



**Drive Efforts to Reduce WMD Threats Globally**



**Identify Vulnerabilities and Mitigation Strategies**



**Deliver Capabilities to Address WMD and Emerging Threats**

***Agency capabilities applied to a single objective:  
Detect, Prevent, and Prevail WMD and Emerging Threats***



# RESEARCH AND DEVELOPMENT DIRECTORATE

The DTRA RDT&E portfolio focuses on meeting near-term warfighter requirements, understanding rapid technological changes, and identifying opportunities to create disruptive counter WMD capabilities to fill the U.S. government's gaps and needs



**RD-CB**  
**Chemical**  
**Biological**  
**Technologies**  
**Department**



**RD-NT**  
**Nuclear**  
**Technologies**  
**Department**



**RD-CX**  
**Counter**  
**WMD**  
**Technologies**  
**Department**



**RD-TS**  
**Test and**  
**Assessment**  
**Department**



**RD-OP**  
**Operations**  
**Department**



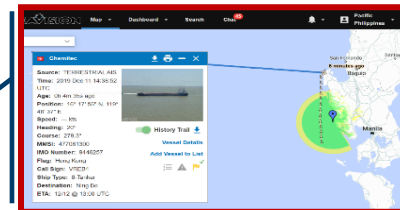
UNCLASSIFIED

# DELIVERING SOLUTIONS AROUND THE WORLD

Force protection & vulnerability assessments of national and allied infrastructure



Consolidation & security of WMD-related systems and materials



Understanding the nexus between strategic competition and WMD threats



Tailored CBRN education & training



CWMD capability development for partner nations



24/7 technical reachback support



WMD stockpile elimination



PPE to laboratory technicians & healthcare workers on the COVID frontlines



Development of global biosurveillance networks



Border surveillance & CBRN interdiction



# RD SUMMARY

RD provides science, technology, and capability development investments to maintain the U.S. military's technological superiority while anticipating and preparing for emerging and future WMD threats.





# FUNDING OPPORTUNITIES

## NEXT GENERATION OF NUCLEAR PROFESSIONALS PROGRAM HDTRA1-23-R-0054

**OBJECTIVE – This program enables focused development of professionals spanning across multiple disciplines in the nuclear field both publicly and internal to DTRA.**

- Opportunities for growth and collaboration between senior, mid-career, and early-stage professionals
- Expand the reach of current DoD and policy networks
- Forums for discussion and debate for DTRA personnel
- Cross-flow of information between disciplines, including, technical, operational, and political professionals concerned with nuclear weapons development, defense and deterrence
- Closes AUG 9

## FY22-FY26 STRATEGIC TRENDS DIVISION BROAD AGENCY ANNOUNCEMENT HDTRA1-22-S-0004

**OBJECTIVE – This program seeks white papers and proposals from outstanding public and private research institutions to deliver research products that**

- Generate operationally-relevant, timely, credible, actionable insights and recommendations into emerging threats within DTRA's mission space
- Research products that enable and guide warfighter understanding of the range of military operation in the next five(5) to ten (10) years.





# FUNDING OPPORTUNITIES

## RESEARCH & DEVELOPMENT INNOVATIONS BROAD AGENCY ANNOUNCEMENT HDTRA1-22-S-0003

**OBJECTIVE – Innovative proposals for technologies in the technical readiness level (TRL) 3-7 that will lead to new or improved technical solutions for countering and deterring WMD and other emerging threats.**

- Understand current and emerging WMD situations, threats, and capabilities
- Enable effective and integrate WMD deterrence
- Control, disable, and defeat current and emerging weapons of mass destruction threats
- Protect the force and mitigate crises from WMD
- Enable cross-cutting capabilities
- OPEN Aug 2027



UNCLASSIFIED



**For more information, please visit us at**  
**[www.dtra.mil](http://www.dtra.mil)**

Contact Information: RD Basic & Applied Research  
Treniece L. Terry [Treniece.Terry.civ@mail.mil](mailto:Treniece.Terry.civ@mail.mil)

