



ENABLING STRATEGIC DETERRENCE

The Defense Threat Reduction Agency's (DTRA) mission is to enable the Department of Defense (DoD), The United States Government and International partners to counter and deter weapons of mass destruction (WMD) and emerging threats.

DTRA serves two distinct, yet highly integrated roles as both a Defense Agency and a Combat Support Agency. Within the framework of these dual roles, we leverage our core functions, which enable us to detect, deter, and defeat threat across the spectrum.



To enable Strategic Deterrence, DTRA

Partners with Interagency to:

- Maintain positive control over U.S. nuclear weapons, components, and materials
- Monitor the status of the U.S. nuclear arsenal
- Maintain nuclear security technologies, safety training, guidance, standards, and policies associated with the nuclear deterrent

Enhances resilience by:

- Focusing on critical infrastructure, site vulnerability
- Controlling in-place measures for U.S. nuclear weapons, components, and material

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As China, Russia, and North Korea modernize and expand their nuclear forces, DTRA:

Enables the Services and United States Strategic Command to ensure the U.S. strategic deterrent continues to be safe, secure, and credible.

Directly supports strategic response through the maintenance of nuclear readiness and modernization, mission assurance, force preparedness, and treaty verification.

Models nuclear employment effects, and examines emerging trends that could complicate U.S. deterrence operations or defense planning through Joint, Interagency, and international workshops, roundtables, and exercises.

This work informs consequence management analysis, improves Joint Force survivability, and signals U.S. resolve to those that challenge U.S. actions.





SUPPORT U.S. TREATY IMPLEMENTATION AND VERIFICATIONS

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In supporting U.S. Treaty Implementation and Verification, DTRA:

Counters competitors' influence with:

- Overseeing and managing activities supporting on-site inspections
- Monitoring operations
- Conducting escort activities

Implements arms control agreements such as:

- New Strategic Arms Reduction Treaty
- Nuclear Testing Treaties
- Plutonium Production Reactor Agreement
- Conventional Armed Forces in Europe Treaty, and the
- International Atomic Energy Agency's integrated Safeguards Agreements

Collaborates with international partners to:

- Support the U.S. as a preferred security partner of choice
- Deepen and strengthens key strategic partnerships.

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The Agency reduces threats to the United States and sustains strategic stability by supporting arms control agreement implementation activities and preparing for future monitoring and verification requirements.

DTRA implements the U.S. Government's Arms Control Verification activities by planning, coordinating, and providing technical assistance and advice to U.S. delegations, commissions, Interagency working groups, and other organizations engaged in arms control and nonproliferation.

The agency oversees and manages subject matter experts activities that protect U.S. equities during and after negotiations by supporting on-site inspections, monitoring operations, escort activities, and observations under various treaties and conventions.

DTRA executes these programs to help counter competitors' influence on a global scale.





IDENTIFY VULNERABILITIES AND MITIGATION STRATEGIES

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As an identifier of U.S. vulnerabilities and developer of mitigation strategies, DTRA

Works through U.S. and international partners to:

- Analyze and synthesize WMD threat intelligence
- Identify vulnerabilities and connect disparate data
- Develop fuller understanding of threats and threat networks
- Determine risk-to-mission and risk-to-force
- Establish executable options to counter and deter adversary action

Mitigates vulnerabilities through:

- Robust portfolio of training
- Technical expertise
- Assistance with plans and exercises
- Leadership education and decision support

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DTRA subject matter experts, analysts, planners, and strategists examine scenarios-based on potential future conflicts with adversaries seeking or armed with emerging threat capabilities. Joint Force, allied forces, and country partners leverage these scenarios to gain insight into adversary WMD force posture, to ultimately deter adversary action.

DTRA developed systems such as the Mission Assurance Risk Management System and Catapult Information System provide CCMDs with accessible analysis and decision-making support at the speed of relevance.

These strategies and expertise prepare the Joint Force to meet WMD challenges and potential adversarial conflict.





PARTNER TO REDUCE GLOBAL WMD THREATS

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As the DoD lead to reduce global WMD threats, DTRA

Trains and equips partner nations in:

- Border Protection
- Nonproliferation
- Counter-smuggling activities

Builds partner capacity(BPC) through the Nunn-Lugar Cooperative Threat Reduction Program to:

- Eliminate WMD stockpiles
- Consolidate, secure and account for WMD materials
- Enable partners to detect and prevent WMD trafficking
- Build capabilities to detect and track especially dangerous pathogenic diseases
- Enhance global biosafety, biosecurity and biosurveillance in partnership with more than 30 foreign partners

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DTRA's BPC programs works with US Departments of State and Energy, and partner-nations to enhance counter WMD capabilities. Utilizing exchange and liaison officers and strategic dialogues, the agency provides partners with the tools and training to stop trafficking of WMD, its delivery systems, and related materials. This enables a global network of partners to counter the development, proliferation, and use of WMD, while increasing recognition of emerging threats.

The Agency engages with allies and partners on nuclear, biological and chemical security engagements, to include activities designed to counter emerging WMD threats, and most recently, disease surveillance, detection, identification, reporting, and response operations. This enables a global network of partners to counter the development, proliferation, and use of WMD and recognize emerging threats.





DEVELOP AND DELIVER RAPID CAPABILITIES

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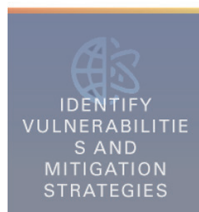
ENABLE
STRATEGIC
DETERRENCE



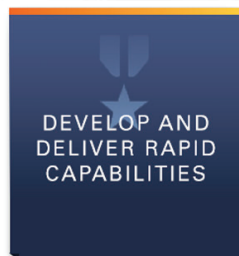
SUPPORT U.S.
TREATY
IMPLEMENTATION
AND
VERIFICATION



PARTNER TO
REDUCE GLOBAL
WMD THREATS



IDENTIFY
VULNERABILITIES
AND
MITIGATION
STRATEGIES



DEVELOP AND
DELIVER RAPID
CAPABILITIES

As the lead Science and Technology developer and deliverer of rapid counter threat capabilities DTRA:

- Provides technology development and capability investments
- Leads DoD Science and Technology capabilities in Chemical Biological Technologies science and technology
- Develops Nuclear Technologies capabilities
- Identifies Research and Enabling capabilities

As a key developer of capabilities to counter current and emerging WMD threats, DTRA delivers:

- Medical therapeutics
- WMD detection capabilities
- Force protection technologies

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Most recently, DTRA developed a means of hardening systems to survive a nuclear detonation that allow critical systems to continue operating.

In the fight against the COVID-19 pandemic, DTRA developed wearable technology that can identify when individuals become infected with a pathogen prior to displaying symptoms, or exposure to non-traditional chemical agents. In addition, DTRA developed modeling and data analysis tools to ensure decision-makers have the best information to mitigate the effects of a CBRN threat.

The "collective impact" of DTRA's core functions creates an institutional means for a more focused DoD WMD response. The Agency synchronize tactics, operations, and strategy development, for measurable effects across the counter-WMD threat space.

