



Cooperative Threat Reduction (CTR)

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DoD CTR Program Overview

The CTR Program works with foreign partners to:

- Eliminate WMD-related systems and materials
- Consolidate and secure WMD-related systems and materials
- Detect and interdict WMD-related trafficking or disease outbreaks



Anthrax Burial Site Survey, Georgia



Eliminated Chemical Weapons, Russia

Eliminate. Secure. Detect. Interdict.

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Cooperative Threat Reduction (CTR)

*The CTR Program works with foreign partners to **eliminate** WMD-related systems and materials, **consolidate and secure** WMD-related systems and materials, and **detect and interdict** WMD-related trafficking or disease outbreaks.*



**WMD and delivery
system elimination**

Syria
*Chemical weapons
elimination*



**Border and maritime
security**

Lebanon
*Land border
surveillance tower*



**Biosecurity,
biosafety, and
disease detection**

Uganda
*Ebola laboratory
diagnostics
training*



**Nuclear security and
counter nuclear
smuggling**

Ukraine
*George Kuzmycz
Training Center;
Ukrainian tactical room
training*

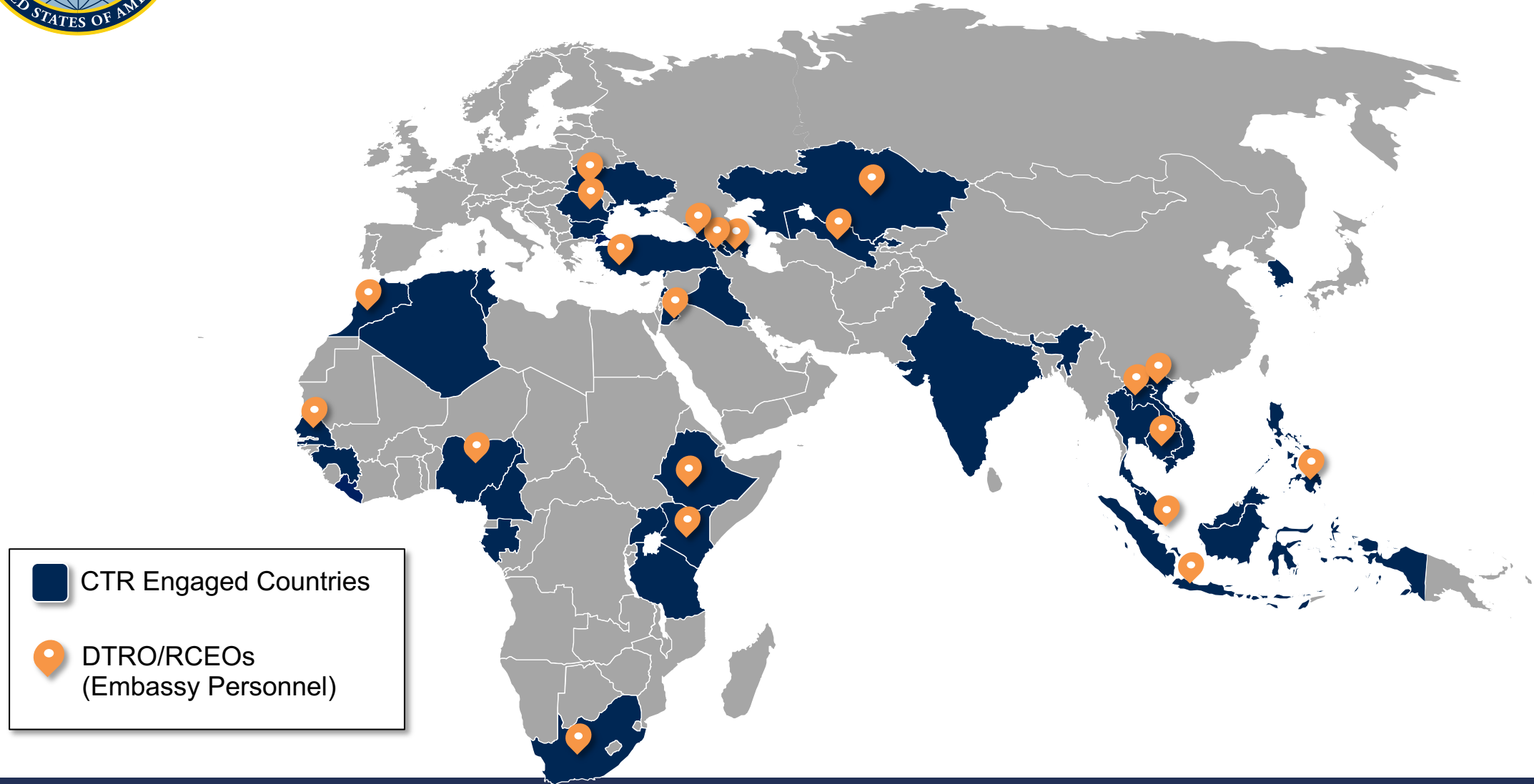


Chemical security

Indonesia
*Interagency Chemical
Transportation
Security Workshop*



CTR Partner Nations and Offices





Biological Threat Reduction Program

Ensures safe and secure operation of public health and veterinary facilities and rapid detection and reporting of disease outbreaks



African Swine Fever Outbreak, Ukraine



Samples in a lab with no inventory available, Vietnam



Lugar Center for Public Health Research, Georgia



Proliferation Prevention Program

Strengthens the capability of partners to detect and interdict WMD-related trafficking across borders or through maritime jurisdictions



Siyazan Radar Site, Azerbaijan



Border security surveillance tower, Tunisia



Coast Guard boat lift, Vietnam



Land border surveillance tower, Lebanon



Security and Elimination Department (CT-SE)

- CT-SE manages the planning and execution of three (3) CTR Programs:
 - Chemical Security and Elimination Program (CSE)
 - Global Nuclear Security Program (GNS)
 - Strategic Offensive Arms Elimination Program (SOAE)



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Global Nuclear Security Program

Supports security and elimination of nuclear weapons and materials related to nuclear or radiological weapons



Training center built to ensure long-term nuclear weapons security



Cesium irradiators transported for final disposition



Railcar used to ship nuclear weapons cargo to dismantlement facilities



Security and response exercise with Ukraine's National Guard

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Strategic Offensive Arms Elimination Program

Supports the elimination of WMD delivery systems (missiles and launch systems such as silos and submarines) as well as security of related materials, technologies, and expertise



*Empty motor case elimination facility,
Ukraine*



Silo Elimination, Kazakhstan



Submarine elimination, Russia



KH-22 missile elimination, Ukraine



Integration Department (CT-PI)

Offers strategic analysis, assessment, and planning and provides travel support, language services, equipment procurement, export compliance, shipping, audits and examinations, and multilateral engagements



Mobile Diagnostics Lab equipment being shipped to Sierra Leone



A&E, Preah Ket Mealea Military Hospital, Cambodia



Translation services for Lugar/Obama trip to Ukraine



Eastern Europe and Central Asia States (ECAS) CWMD Seminar, Garmisch, Germany, November 2017



CTR Acquisition Approach

There may be opportunities to sub with the existing integrating contract holders:

- DTRA CTR Advisory and Assistance Services (A&AS), HDTRA1-21-F-0033, 12 May 2021 - 11 November 2026
- Cooperative Threat Reduction Integrating Contract (CTRIC), Multiple Award ID/IQ, June 2018 – June 2026
- Science and Technical Engagement Program (STEP), HDTRA1-17-C-0019, January 2017 – May 2022 (6-month extension – TBA)
- Threat Reduction Logistics Services (TRLS), HDTRA1-18-D-0010, 18 September 2018 - 17 September 2023
- DTRA/CT makes occasional small business awards



Questions?





Back Up



CTR History and Features

History

- 1991 Nunn-Lugar Legislation – former Soviet Union (FSU)
- Fiscal Year (FY) 2008 National Defense Authorization Act (NDAA): Approved use of CTR funds for activities outside the FSU
- FY 2015 NDAA: Prohibited post-FY 2015 CTR funds from being obligated or expended for activities in Russia
- FY 2017 NDAA: Restricted work with China; established more involved justifications for determinations to work in new areas

Distinctive Features

- 3-year funds allows for long-term commitment of threat reduction activities
- Authority to accept contributions (UK, Germany, Canada) broadens ability to perform threat reduction in a joint fashion
- Broad range of partners (health, industry, energy and other ministries – not just security forces) covers all aspects of threat reduction

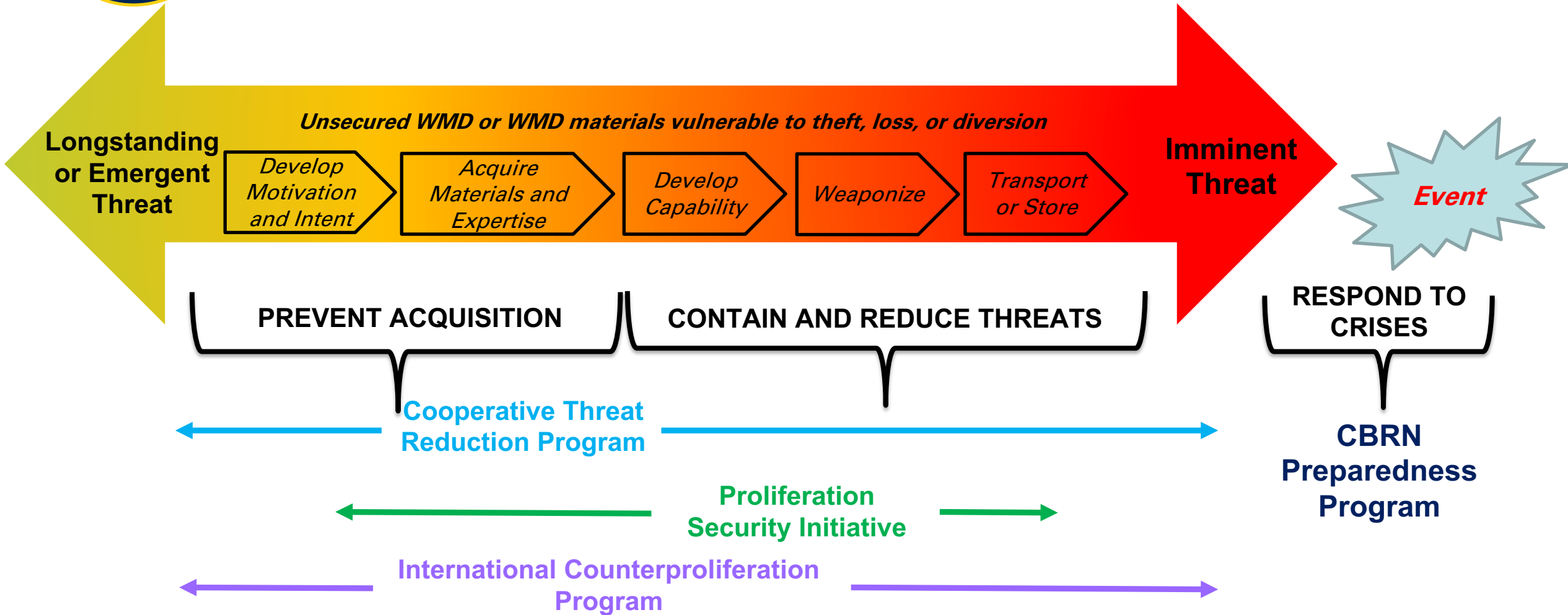


*Senators Nunn and Lugar in 1991 (above),
and with Secretary of Defense Ash Carter in
2016 (below)*



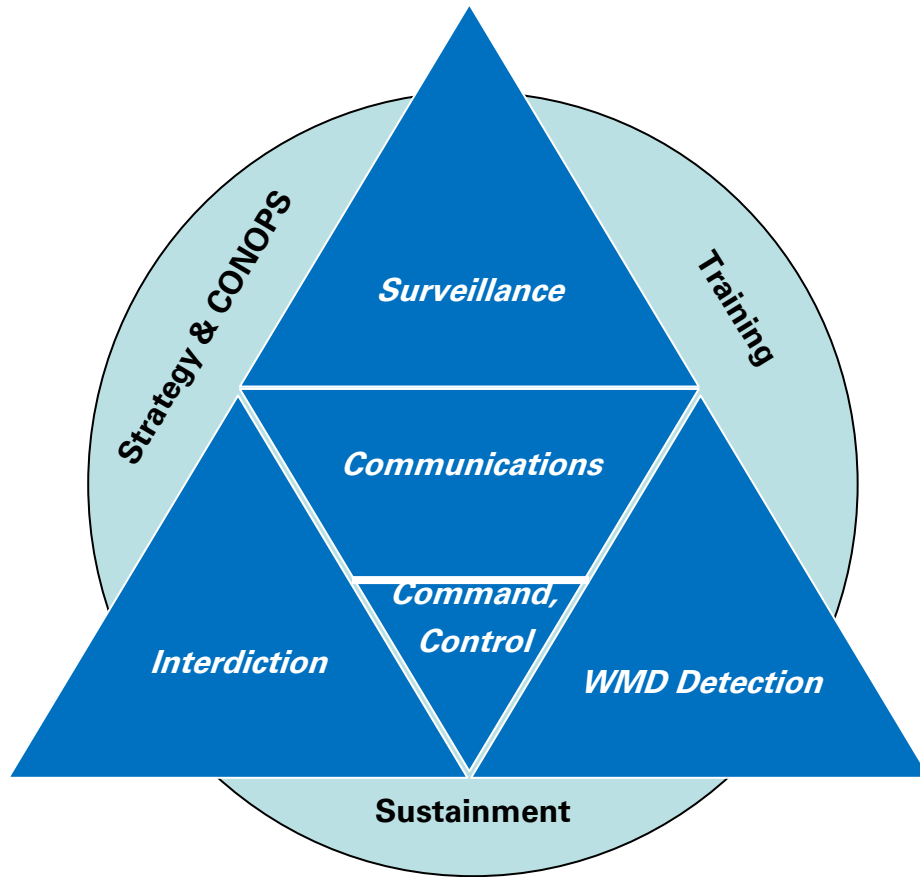


DTRA Building Partner Capacity Programs & CTR Support the DoD Countering WMD Strategy





Holistic Approach to Proliferation Prevention



- **Deny** terrorists and states of concern access to WMD
- Strengthen partner's ability to **prevent, deter, detect, and interdict** trafficking in WMD and related materials
- Enhance **maritime** and **land** border situational awareness
- Improve mobility, command, control, communications and risk management
- Provide comprehensive **training** and **sustainable capability**

When countries build their capacity to counter WMD trafficking they usually experience an increase in all aspects of border enforcement, maritime operations, and counter-trafficking.



PPP: Command, Control, Communications and Surveillance



Ukraine Radar and Communications



Azerbaijan – Coastal Radar Site



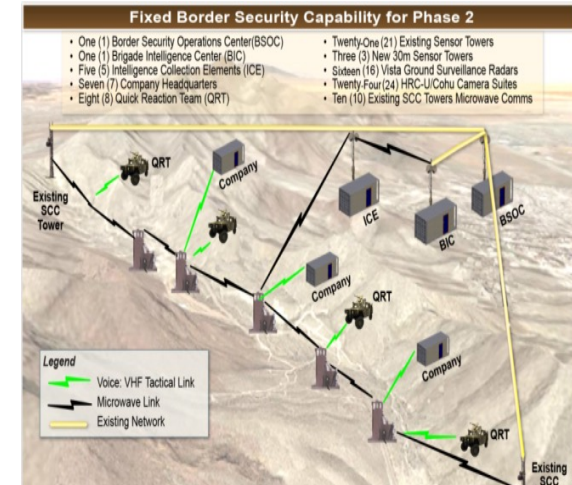
Azerbaijan Joint Command Center



Philippines National Coastal Watch Center



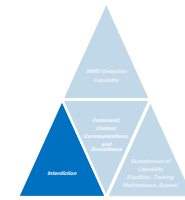
Moldova Video Surveillance



Jordan Communications Infrastructure



PPP: Interdiction Capability



Ukraine Rigid Hull Inflatable Boats



Azerbaijan Coast Guard



Moldovan Border Police Vans



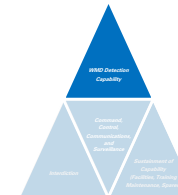
Armenia - Snow Cats



Moldovan Border Police Quad-Cycles



PPP: WMD Detection Capability



Uzbekistan - Radiation Portal Monitors



Jordan - Analytical Laboratory System



Jordan - Mass Spectrometer



Armenia - Unattended Ground Sensors



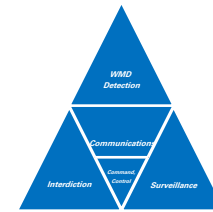
Personal Radiation Detector



Jordan - Chemical Detector



PPP: Sustainment of Capability



Georgia Boat Hoist



Moldova Vehicle Maintenance Facilities



Jordan Mass Casualty Training



Jordan Truck Maintenance Facilities



Philippines WMD Detection and Inspection Training



Georgia Maintenance Training



Security and Elimination Department

Prepare:

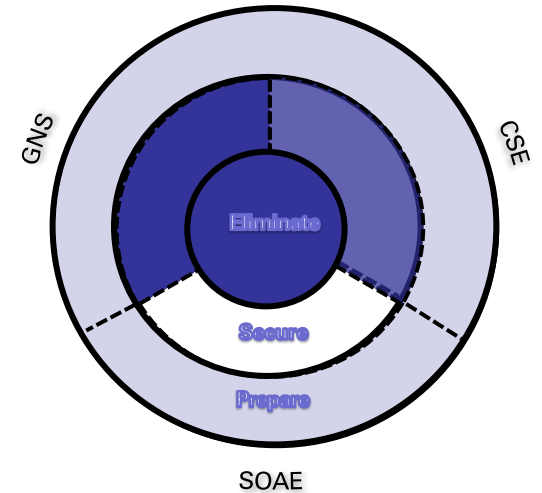
- Plans and capabilities to rapidly respond to contingencies to secure and eliminate WMD and associated delivery systems

Secure:

- Nuclear weapons, components, and materials
- High-threat radiological material, toxic industrial chemicals, and chemical weapon precursors
- Technology/materials/expertise that support development of WMD & delivery systems
- Transport of WMD and related materials to storage or elimination

Eliminate:

- Nuclear weapons, components, materials, and infrastructure
- Chemical weapons and associated equipment and infrastructure
- Delivery systems and infrastructure



*"...**Prepare** for contingencies, **secure** WMD capabilities to prevent proliferation and, whenever possible, **eliminate** those capabilities."*