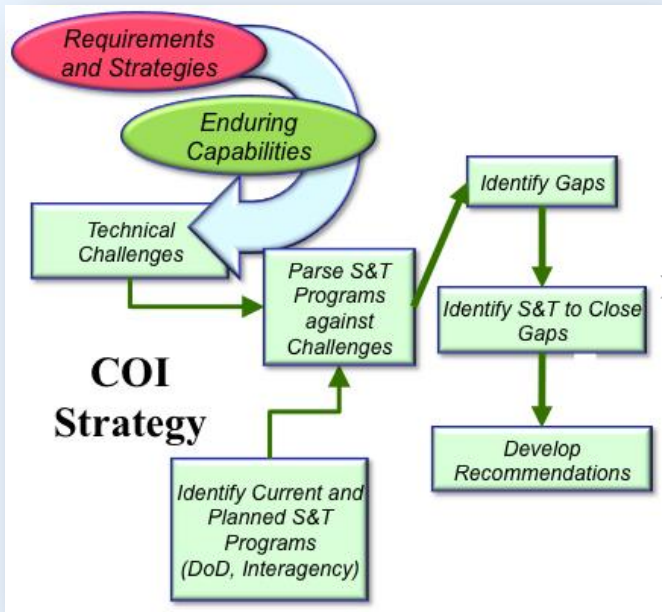


# CWMD COI

Provide a consolidated and coordinated view of the CWMD S&T program; Assess state of health of CWMD enterprise (personnel, infrastructure, etc.); and Leverage S&T outside traditional CWMD community through Reliance 21

Members: Army, Navy, Air Force, ASD (R&E), DARPA, DIA, DTRA, CBDP/JSTO, NCB/CBD, NCB/NM, USSTRATCOM

CO-CHAIRS: DR. STEVEN WAX (DTRA) AND DR. VAHID MAJIDI, OASD(NCB/NM)



## Understand the Environment, Threats & Vulnerabilities

**Achieve comprehensive situational awareness in CWMD domain**

Access, integrate, and securely share WMD-related information to support DoD, interagency, and international operations, actions, and activities to counter WMD.

**Locate, detect, characterize and assess WMD worldwide**

Locate, detect, characterize, and assess chemical, biological, nuclear and radiological threats (or associated signatures) in diverse and sometimes non-permissive environments as well as throughout the WMD pathway.

**Ability to rapidly provide information to support attribution**

Accurate, reliable, timely, and defensible information to determine the origin of WMD and enabling materials.

**Understanding current and emerging threats**

Obtain timely insight into legacy and novel technologies, capabilities, intentions, and developmental activities of adversaries to assess WMD threats

**Consequence prediction**

Forecast US and partner vulnerabilities, the 1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup> order effects of WMD.

## Control, Defeat, Disable, and/or Dispose WMD Threats

**Control WMD**

Isolate, intercept, divert, seize & secure WMD and related capabilities

**Defeat WMD**

Render nonexistent or interrupt the entire spectrum of WMD development and employment and focus on specific nodes, links and support networks prior to an adversary's acquisition of WMD.

**Disable WMD**

Ensure actors of concern are unable to employ WMD and reduce the risk of those capabilities being proliferated, lost or stolen.

**Dispose WMD**

Partial or full dismantlement of an actor's WMD program and ensure that it cannot be reconstituted.

## Safeguard the Force and Manage Consequence

**Sense**

Continually provide the information about the CBRN situation at a time and place by detecting, identifying, and quantifying CBRN hazards in air, water, on land, on personnel, equipment or facilities.

**Shape**

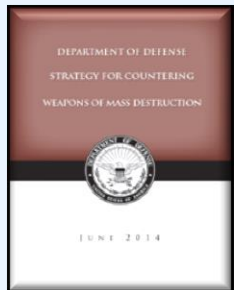
Characterize the CBRN hazard to the force commander and develop a clear understanding of the current and predicted CBRN situation

**Shield**

Prevent or reduce individual and collective exposures, apply prophylaxis to prevent or mitigate negative physiological effects, and protect critical equipment.

**Sustain**

Conduct decontamination and medical actions that enable the quick restoration of combat power.



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