

Protection Sector Brief



SEPTEMBER 27, 2018

Sector Participants

- Air Boss Defense/IRT;
- Air Techniques;
- CamelBak;
- Emergent Bio Solution;
- First Line Technology;
- GENTEX Corporation;
- Kappler;
- Osen-Hunter Group;
- Scott Safety;
- Tex-Shield, Inc.;
- Design West Technologies Inc.;
- HDT Global, Inc.;
- DRS Environmental System, Inc.;
- FiberTect;
- Hydro Therm, Inc.;
- MAX Inc.;
- Earthlink;
- STERIS Corporation;
- TDA Research, Inc.;
- Tycoint;
- W. L. Gore & Associates, Inc.;
- Tradeways USA Ltd.;
- Quicksilver;
- Protect the Forces, LLC;
- Intelagard;
- Karcher Futuretech;
- Guardian-Mfg Co.;
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Sector Health

Current Health

- Protection Sector capability to support DoD and others remains strong where there is a synergistic commercial need like infectious disease and law enforcement and weaker in other areas where requirements are more restricted to DoD-only needs.
- Companies are diversifying due to habitual budget uncertainty brought about by 9 years of CR's
- NIOSH requirements continue to drive development costs up.
- Budget vs. Sequestration and Continuing Resolutions provides some room for optimism

Concerns (anecdotal)

- Forecasting of future business opportunities/requirements
- Execution of available funding: DoD budget was less than 50% obligated for 2018. Lost expertise? Rollover of funding?
- OTA'S. Ambiguity remains regarding trajectory of opportunities
- Needs/demand. Rhetoric does not match action.
- Signals that US DoD expects industry to help DoD create a competitor by establishing production lines for our products at Pine Bluff.

Rhetoric:

- **Threat:** The threat posed by chemical, biological, radiological, and nuclear (CBRN) weapons is real and evolving...The sustained lethality of the Joint Force and its ability to continue the mission depends on the warfighter's ability to deter, prevent, *protect, mitigate, respond to, and recover from CBRN weapons use and effects. ...*
- **Lines of Effort:** The DoD will assume that *hostile non-state actors who acquire WMD or material of concern will plan to use them*, and the Department will react accordingly. *The DoD will be prepared to avoid or defeat WMD attacks and mitigate their immediate effects* so as to allow effective operations to continue.

Action:

- FY 19 DoD Budget: \$688B
- CBRN Budget RDT&E: \$1.3B
- 1/5th of 1% of the total
- Protection: \$388M
- 1/18th of 1% of the total

UNCLASSIFIED

**Department of Defense
Fiscal Year (FY) 2019 Budget Estimates**

February 2018



Chemical and Biological Defense Program

Defense-Wide Justification Book Volume 4 of 5

Research, Development, Test & Evaluation, Defense-Wide

Action:

- **RDT&E submission:** of \$1B (1/8th of 1%) for all CBRN RDT&E activity: Of that, **\$77 million** supporting RDT&E for personnel/collective protection and hazard mitigation capabilities against traditional and non-traditional chemical threats as well as traditional and emerging biological threats. **1/100th of a percent of the DoD budget.**
- **Procurement submission:** of **\$311M: 1/20th of a percent of the DoD Budget**
 - \$91 million to procure CBRN Dismounted Reconnaissance Sets, Kits, and Outfits (DR SKO) which allows warfighters to perform CBRN dismounted reconnaissance, surveillance, and site assessment of WMD suspect areas not accessible by traditional CBRN reconnaissance mounted platforms.
 - \$72 million to procure modernized respiratory and ocular protection for ground and air forces.
 - \$40 million to procure modernized Collective Protection capabilities (Joint Expeditionary Collective Protection and CB Protective Shelters).
 - \$22 million to procure protective ensembles supporting enhanced protection for the Joint Force, to include special purpose units.

Budget Committee Report FY-2019 Appropriations:

Line #	Description	Funding
121	CHEMICAL DEFENSIVE EQUIPMENT PROTECTIVE SYSTEMS	2,314,000.00
124	CBRN DEFENSE	173,954,000.00
131	NUCLEAR BIOLOGICAL CHEMICAL RECONNAISSANCE VEHICLE	13,054,000.00
23	CHEMICAL WARFARE DETECTORS	2,966,000.00
76	SOCOM CHEMICAL BIOLOGICAL SITUATIONAL AWARENESS	161,918,000.00
77	SOCOM CB PROTECTION AND HAZARD MITIGATION	142,519,000.00
7	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM (BASIC RESEARCH).	42,103,000.00
15	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM (APPLIED RESEARCH) .	192,674,000.00
20	WEAPONS OF MASS DESTRUCTION DEFEAT TECHNOLOGIES	157,151,000.00
42	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM—ADVANCED DEV .	142,826,000.00
74	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM – (DEMONSTRATION AND VALIDATION)	113,496,000.00
120	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM (ENGINEERING AND MANUFACTURING DEVELOPMENT)	329,909,000.00
151	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM (RDT&E MANAGEMENT SUPORT)	102,883,000.00
195	CHEMICAL AND BIOLOGICAL DEFENSE (OPERATIONAL SYSTEMS DEVELOPMENT)	42,385,000.00
		Total
		1,620,152,000.00
		RDT&E
		1,123,427,000.00
		Procurement
		496,725,000.00