

Chemical Biological Defense Acquisition Initiative Forum (CBDAIF)

Information System Report

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Relevant Technology(RTI)

Companies in Sector

Company	CBRN Information Technology Capabilities
Leidos	. . . Supports large and complex systems engineering and integration projects across many domains, including critical quick-reaction development programs for current military operations, global information systems, cyber - security solutions, integration of distributed, heterogeneous IT systems...
Relevant Technology (RTI)	... information system/ information management design and integration of CBRN systems including migration to Cloud Computing, CCSI Integration Services, and OWF Development; Specifically targeted for Sensor networking, aggregation and analytics
Northup Grumman	. . . chemical, biological, radiological, nuclear, & explosive (CBRNE) expertise and solutions; broad spectrum of threat assessment, high-hazards testing and evaluation, medical surveillance and diagnostics
FLIR	. . . applications such as force protection, airborne and ground-based surveillance, search and rescue, law enforcement, perimeter security, border and maritime patrol, navigation safety, drug interdiction, and chemical, biological, radiological, nuclear, and explosives (CBRNE) detection...

Companies in Sector

Company	CBRN Information Technology Capabilities
DGI - CoBRA Software Division	... provides situational awareness and decision support software capabilities for all hazards since 2000. CoBRA's client and web based tools have provided DoD, State and local as well as international partners an affordable, easy to use, customizable system that can work stand alone or as part of a system of systems...
Teledyne Brown Engineering	... complex systems engineering solutions to the chemical, biological, radiological, and nuclear (CBRN) defense market. This includes design, development, fabrication, test and evaluation, and program management of detection, protection, decontamination, and information systems..
SENTEL	... capabilities include networking and integration of CBRN, physical security, perimeter surveillance sensors; software development and hardware integration; sensor fusion and algorithm development.
BAE	... providing a full spectrum of systems engineering , technical services, and ordnance systems ... include system design, integration , test, and technical assistance; software development engineering. ...

Health of Sector



- Joint CBRNE Advanced Capability Sets (JCACS) Advanced Technology Demonstration (ATD) effort has not produced any opportunities for IT sector and no feedback from the white papers submitted.
- Vendors await contracting vehicles to support various IT efforts through the JPEO
- Currently very little IT (software only) opportunities and the ones that do exist are funded thru Sensor Vendors or Large Integrators (i.e. CCSI Adaptors, etc.)

Major Sector Concerns

- Information Technology Road Map not clear, we need to know more about CBRN-IS
- JPEO-CBD 30 year plan does not articulate IT product line that Industry can use for IR&D spending – Cloud Platform, Interface Standards
- Have we made progress to standardize technology utilization to increase pool of vendors.
- Who/What drives policy decision with respect to what technology is adopted?
- Who promotes IT to insure consistency and communicates it to industry?

Major Sector Concerns

- Is Information Systems adequately funded to establish and maintain IT across the JPEO?
- Are the JPMs coordinating their Information System to reduce cost and collaborate?
- Is the JCACS initiative properly funded?
- Are the interoperability standards communicated and supported to expedite adoption?
- Why are more IT development efforts performed in-house using capital funded government civilian and Federally funded labs instead of Industry?

Sector Expectations for CBDAIF Meeting Outcomes

- JPEO-CBD IT needs to articulate the CBRN-IS product line that aligns with the 30 year plan
- IT efforts within DTRA, ECBC and the JPEO need to cross pollinate and Industry partners need better access to various initiatives
- Software development efforts (like C2 host, and CCSI) need to be identified and, if possible, contracted separately from major system acquisitions to increase the pool of software companies that provide IT products and services

Backup

Acronyms

- C2 Command and Control
- CCSI Common CBRN Sensor Interface
- CBRNE Chemical Biological Radiological Nuclear Explosive
- DTRA Defense Threat Reduction Agency
- ECBC Edgewood Chemical and Biological Center
- IR&D Independent Research and Development
- JCACS ATD Joint CBRNE Advanced Capability Sets Advanced Technology Demonstration
- JPEO Joint Program Executive Office
- JPM Joint Program Manager
- OWF Ozone Widget Framework