



PINE BLUFF ARSENAL ADVANCED PLANNING BRIEFING TO INDUSTRY

Joint Project Management Office for Nuclear, Biological and
Chemical Contamination Avoidance

Presented by: Mr. Joseph Lovrich

6 June 2018

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April 2018 APBI Update Since FY17 APBI

TOTAL ACTIONS BRIEFED: 7

RFPs RELEASED:

- Aerosol Vapor Chemical Agent Detector (AVCAD; formerly known as Next Generation Chemical Detector 1 (NGCD 1))
- Multi-phase Chemical Agent Detector (MPCAD; formerly known as NGCD 3)
- Enhanced Maritime Biological Detector (EMBD)

ACTIONS AWARDED:

- None

STRATEGY CHANGES:

- JE-RDAP Award
- CWMD OTA Award

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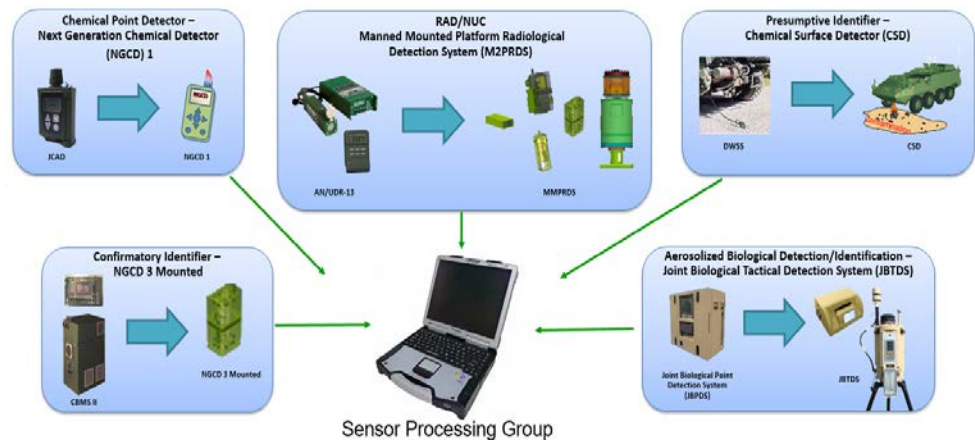
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Stryker NBCRV Sensor Suite Upgrade (SSU) Overview

The NBCRV Sensor Suite provides the Warfighter with the ability to detect, identify, collect, report, and mark, Nuclear Biological Chemical Hazards.

- Chemical Surface Detector (CSD)
 - Performance deficiencies of the Dual Wheeled Sampling System (DWSS) limit the chemical reconnaissance capability of the NBCRV
 - CSD replaces the DWSS and will detect and identify ground liquid and solid contamination at maneuver speeds while integrated on a Stryker NBCRV
- Integrates the following sensors into the Stryker NBCRV
 - Aerosol Vapor Chemical Agent Detector
 - Multi Phase Chemical Agent Detector
 - Chemical Surface Detector
 - Joint Biological Tactical Detection System
 - Manned Mounted Platform Radiological Detection System



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Chemical Surface Detector

CONTRACT TYPE: TBD

ESTIMATED VALUE: \$40-48M for MS B/EMD

CONTRACTING CONTACT (if known): TBD

SOLICITATION #: JE-RDAP Delivery Order Request or CWMD OTA

ESTIMATED SOLICITATION RELEASE DATE: 2QFY19

PRIOR/CURRENT CONTRACT INFORMATION:

Contract Number: W911SR-17-C-0017

W911SR-17-C-0018

W911SR-17-C-0019

Incumbent Contractor: L3 Sonoma EO

Hamilton Sundstrand (United Technology Aerospace Systems)
Agentase LLC (FLIR)

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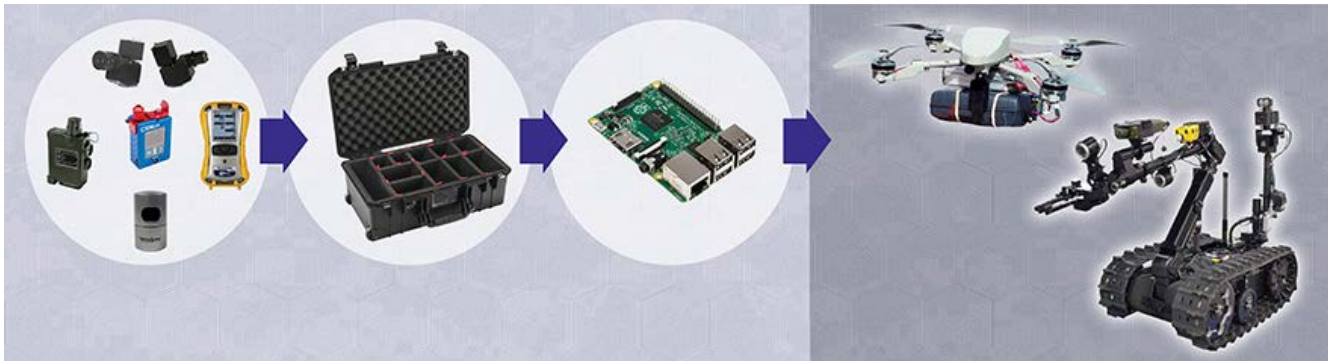
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CBRN – Sensor Integration on Robotic Platforms (C-SIRP)

C-SIRP will provide integration and engineering of COTS/GOTS sensors for unmanned platform integration. Early production would focus on current COTS/GOTS capabilities that have been engineered to fit reduced size weight and power (SWaP) CBRN platform requirements

- Platform interface (hardware and software) that allows quick attachment/removal of CBRN sensors
- Deployment systems that will allow sensors to be emplaced and retrieved by Unmanned Ground Vehicles (UGVs) and Unmanned Aerial Vehicles (UAVs).
- Address identified gaps in aerial or rapid CBRN reconnaissance at the tactical edge
- Reduces labor intensive methods to detect and classify CBRN agents that place Soldiers and other personnel involved at higher risk



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CBRN – Sensor Integration on Robotic Platforms (C-SIRP)

CONTRACT TYPE: TBD

ESTIMATED VALUE: \$8-15M

CONTRACTING CONTACT (if known): Alex Schupp, Army Contracting Command,
alex.m.schupp.civ@mail.mil

SOLICITATION #: JE-RDAP Delivery Order Request or CWMD OTA

ESTIMATED SOLICITATION RELEASE DATE: 2QFY19

PRIOR/CURRENT CONTRACT INFORMATION: JE-RDAP Order Request or CWMD OTA

Contract Number: N/A

Incumbent Contractor: N/A

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Reactive-Chemistry Orthogonal Surface and Environmental Threat Ticket Array (ROSETTA)

The intent of ROSETTA is to provide an eye readable detector ticket that will complement the M8 colorimetric detector ticket that is in the M256A2 Chemical Agent Detector Kit and improve the detection performance (detection of new agents and potentially reduce false alarm). This is an Engineering Change Proposal effort of the current M256A2 into a new M256A3 Chemical Agent Detector Kit.

This opportunity is for ROSETTA prototype delivery, testing, technical manual and training aids.



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Reactive-Chemistry Orthogonal Surface and Environmental Threat Ticket Array (ROSETTA)

CONTRACT TYPE: TBD

ESTIMATED VALUE: <\$5 M

CONTRACTING CONTACT (if known): TBD

SOLICITATION #: CWMD OTA

ESTIMATED SOLICITATION RELEASE DATE: 2QFY19

PRIOR/CURRENT CONTRACT INFORMATION: N/A

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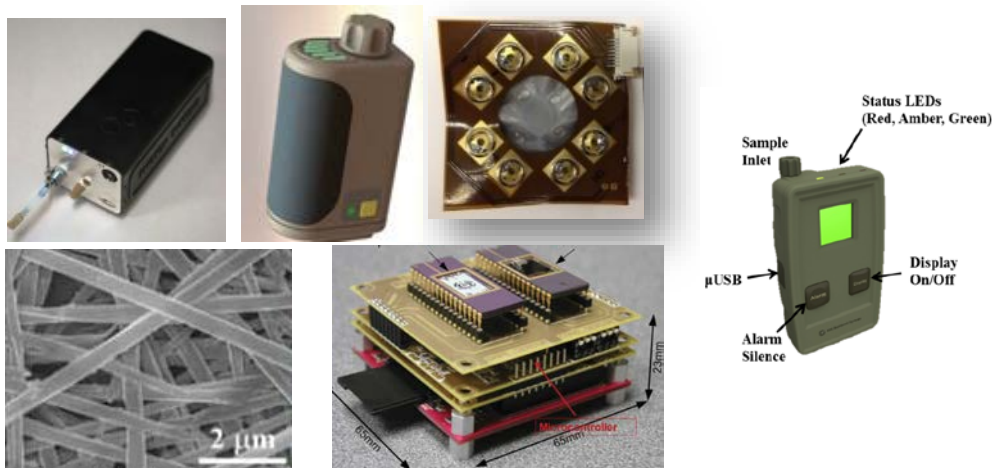
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Compact Vapor Chemical Agent Detector (CV-CAD, formerly known as Next Generation Chemical Detector - 4)

The intent of CV-CAD is to provide a small SWaP individual-worn or unmanned vehicle-mounted detector that will alert on the presence of some or all of the following hazards: chemical warfare agents (CWAs), non-traditional agents (NTAs), toxic industrial chemicals (TICs), lower explosive limit (LEL), and oxygen (O_2).

This opportunity is for CV-CAD prototype delivery and testing to support Technology Maturation Risk Reduction acquisition phase.



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Compact Vapor Chemical Agent Detector (CV-CAD)

CONTRACT TYPE: TBD

ESTIMATED VALUE: <\$15 M

CONTRACTING CONTACT (if known): TBD

SOLICITATION #: CWMD OTA

ESTIMATED SOLICITATION RELEASE DATE: 3QFY20

PRIOR/CURRENT CONTRACT INFORMATION: N/A

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Points of Contact

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