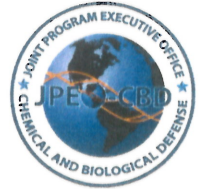




REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
JOINT PROGRAM EXECUTIVE OFFICE
FOR CHEMICAL AND BIOLOGICAL DEFENSE
5101 HOADLEY ROAD
ABERDEEN PROVING GROUND, MD 21010-5424



SFAE-CBD

JUN 15 2017

MEMORANDUM FOR United States Army Acquisition Support Center, ATTN: Victoria Deguzman, 9900 Belvoir Road, Building 201, Suite 101, Fort Belvoir, VA 22060-5567

SUBJECT: 2017 Under Secretary of Defense for Acquisition, Technology and Logistics Acquisition Awards Program

1. The Joint Program Executive Office for Chemical and Biological Defense (JPEO-CBD) is pleased to nominate the following individuals and teams for the 2017 Under Secretary of Defense for Acquisition, Technology and Logistics Acquisition Awards Program:

AWARD	NAME/TEAM
Defense Acquisition Workforce Individual Achievement Award (Engineering)	Dr. Christopher G. Earnhart
Defense Acquisition Workforce Individual Achievement Award (Lifecycle Logistics)	Mr. Donald D. Cline
Defense Acquisition Workforce Individual Achievement Award (Production, Quality and Manufacturing)	Mr. Thomas W. Kloehn
Defense Acquisition Workforce Individual Achievement Award (Science & Technology)	Dr. Charles A. Bass, Jr.
Defense Acquisition Workforce Development Innovation Award (Large Organization)	The Joint Program Executive Office for Chemical and Biological Defense
Defense Acquisition Workforce Development Innovation Award (Small Organization)	The Joint Program Executive Office for Chemical and Biological Defense
David Packard Excellence in Acquisition Award	Next Generation Diagnostics System Increment 1 Team

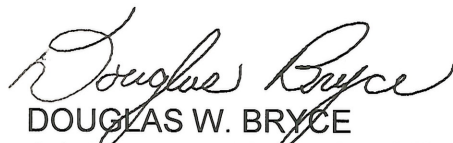
2. The above individuals and teams have demonstrated exceptional competencies which significantly enhanced daily organizational functions. Their actions exemplify high standards of service, professionalism, and a commitment to excellence. This has allowed the command to maintain a reputation for providing highly responsive and effective support across the Department of Defense.

SUBJECT: 2017 Under Secretary of Defense for Acquisition, Technology and Logistics
Acquisition Awards Program

3. I strongly endorse the attached nominations for the 2017 Defense Acquisition Workforce Development Innovation Award, Defense Acquisition Workforce Individual Achievement Award and David Packard Excellence in Acquisition Award.

4. My point of contact for this action is Ms. Angela Hayden, (410) 436- 4262, angela.hayden3.ctr@mail.mil.

Encls

A handwritten signature in black ink, appearing to read "Douglas Bryce", written in a cursive style.

DOUGLAS W. BRYCE
Joint Program Executive Officer for
Chemical and Biological Defense



2017 Defense Acquisition Workforce Individual Achievement Award Contact Information

Category: Science and Technology Manager

Nominee Information

Name: Dr. Charles A. Bass, Jr.

Title: Division Chief, Hazard Protection and Mitigation Division

Address: 8725 John J. Kingman Road

Fort Belvoir, Virginia, 22060

Telephone: (703) 767-3371

E-mail: charles.a.bass10.civ@mail.mil

Civilian or Military: Civilian

DoD Component or Agency Name: Defense Threat Reduction Agency, Joint Science and Technology Office

Acknowledgement of Monetary Award:

By submitting this nomination, you acknowledge that, should the nominee be the selected winner, the monetary award will be applied towards the applicable award cap.

Submitting Official's Signature _____

Director, Acquisition Career Management Staff Point of Contact

Name:

Title:

Telephone:

E-mail:

NOMINATION NARRATIVE:

Within the Chemical and Biological Defense Program (CBDP), for which the U.S. Army serves as the Executive Agent, Dr. Charles A. Bass is a Science and Technology Manager within the Defense Threat Reduction Agency's Joint Science and Technology Office. This office is the CBDP Science and Technology counterpart to the Joint Program Executive Office for Chemical and Biological Defense under the Assistant Secretary of the Army for Acquisition, Logistics and Technology. From the period of July 1, 2016 through June 30, 2017, Dr. Bass's contributions to the Department of Defense and the US Army have been exemplary, as detailed below.

Specific Achievements

Dr. Bass's efforts have contributed significantly to the success of the Uniform Integrated Protective Ensemble Family of Systems program (Milestone A December 14, 2016), the Contamination Indicator and Decontamination Assurance program (emerging test results March 17, 2017), and the Joint Biological Agent Decontamination System (Milestone B May 9, 2016).

In each of the most recent Weapons of Mass Destruction challenges, to include Ebola in West Africa, radiation in Operation Tomadachi, and a onetime contingency to potentially have to withdraw bulk chemical agent out of caves in Syria, the existing single personnel protective ensemble (the Joint Service Lightweight Suit Technology) for the Department of Defense was not the optimal protection. For Ebola and radiation it is an expensive (\$500 a suit) option for "one time use" where lower cost options would work as well, and for Syria the JSLIST was not designed for a bulk agent threat scenario.

To provide the Department of Defense individual protection across the threat (chemical, biological and nuclear), mission profile (aviation, shipboard, ground, homeland defense) and mission continuum (low intensity to high intensity) at equal to or less cost as JSLIST the Joint Program Executive Office for Chemical and Biological Defense initiated the Uniform Integrated Protective Ensemble Family of Systems (UIPE FoS) program in 2016.

For the UIPE FoS Milestone A, Dr. Bass executed three supporting science and technology efforts. First, he demonstrated the trade space between the liquid protection level, weight, aerosol protection, thermal burden and the flame resistance of new materials (i.e., we can achieve a 25% reduction in thermal burden with an increase in aerosol protection if we were willing to have a lower level of liquid protection). Second, he developed a novel hood closure that provides 50% better aerosol protection regardless of materials. Third, he demonstrated super repellant coatings that could be used with any material to provide 25% better protection against the nerve agent VX and non-traditional agents, even after being exposed to petroleum products.

The Contamination Indicator and Decontamination Assurance Spray (CIDAS) quickly "maps" where chemical agents are, or are not, on equipment and personnel. The spray identifies agent 400% more quickly (10 minutes versus 43 minutes) than the standard Improved Chemical Agent Monitor detector, and through color change "maps" the presence of the agent. This allows personnel doing decontamination to focus only on where the agent is present, versus the old

procedure of decontaminating all of the surface area of contaminated equipment. This reduces by half the time, water and thereby manpower required to conduct chemical agent decontamination. The spray also allows to personnel to rapidly confirm that the decontamination was effective, or if it wasn't, the exact spot and location that requires additional effort.

The original CIDAS technology cost \$10,000 a gallon and had a shelf life of one year. This was not considered affordable by the Service's, and Dr. Bass three years ago initiated multiple efforts with the company owning the technology to reduce cost and extend shelf life. His initial work used a recombinant enzyme expressed from mushrooms to replace the one expressed from eels, bringing the cost down to \$980 a gallon. We have received the March 2017 emerging test results on his second effort, using recombinant enzyme expressed from tobacco plants, which proves we can make an effective spray at the cost of \$500 a gallon with a five year estimated shelf life.

Driven by the world wide infectious disease and biological agent threat, the Joint Biological Agent Decontamination System (JBADS) allows the simultaneous interior and exterior infectious disease/biological agent decontamination of equipment up to the size of a C-130J aircraft. This allows equipment like a \$78 million C-130J to continue mission, vice being disposed of, for the approximately \$7 million investment for a JBADS.

The Air Force Research Laboratory has also recently completed a study that proves that the mold, fungi, bacteria and other organic contaminants that build up on aircraft structures produce acids and enzymes that corrode aircraft surfaces. They estimate that of the \$6 billion the Air Force spend annually on corrosion control, up to \$1.2 billion goes toward microbiologically-influenced corrosion. JBADS can be used for the dual purpose of eliminating these microbes and increasing aircraft structure life at a significant savings to the Air Force.

Dr. Bass was instrumental in setting this program up for success by proving the efficacy of the JBADS technology in decontaminating the "worst case" biological agent (six log reduction for anthrax spores) at 75 degrees Celsius over a 72 hour period. He has initiated a method of spore germination that can reduce the temperature to 60 degrees Celsius and the time to decontaminate to 24 hours. He has demonstrated the performance envelope required to decontaminate viruses (60 degrees Celsius at 24 hours) and vegetative bacteria (60 degrees Celsius at four hours). In addition, Dr. Bass has just completed work with eight materials and the JBADS technology demonstrating that it produces significant decontamination (below detection levels) without producing toxic byproducts at temperatures below what sensitive equipment can withstand. This will allow JBADS to be used in the future for chemical agent as well as biological agent and infectious disease decontamination, as well as for corrosion control purposes.

Value of the Nominee's Contributions

Dr. Bass's contributions play a key role in providing the technology and data necessary for the Department of Defense to acquire within the next five years three valuable capabilities. A family of individual protective systems giving the Department of Defense capability across Weapons of Mass Destruction threat (chemical, biological and nuclear), for all mission profiles

(aviation, shipboard, ground, homeland defense) and the entire mission continuum from low intensity to high intensity, including homeland defense.

A spray that reduces the time and resources required to execute chemical agent decontamination in half.

A method of biological and chemical decontamination that can return sensitive equipment and aircraft rapidly back to the fight, while simultaneously saving significant funds while extending the useful life of aircraft structures.

Demonstration of Leadership

Dr. Bass's teamwork is demonstrated by the above examples of his work, but he also mentors the entire Chemical and Biological Defense Program community. One example is that he teams with the material developer in attending requirements development meetings, where he has played a key role in helping to shape trade space and identifying key threshold and objective measurements across many programs. Due to an effort like this, we fielded an individual protective mask filter several years ago that could not meet all combat developer requirements for Toxic Industrial Chemicals (TIC's). Since then Dr. Bass has transitioned several technologies that are now being inserted into those filters which double the performance of those filters against TIC's, at a cost of less than \$1 more per filter set. Another example of his mentoring is his work with the test and evaluation community to improve our aerosol and system level test methods for individual protective equipment.

He also goes out of his way to team with others for the greater good of the Chemical and Biological Defense Program. We already mentioned his willingness to team with the material developer to ensure adequate trade space and threshold and objective definition within requirements. He also attends all material developer decision points and milestone reviews, as well as teaming with the material developer at all Advance Program Briefs to Industry.

Dr. Bass also works hand in hand with his assigned material developer in the annual Program Objective Memorandum builds, and plays a key role in assisting the material developer in defining 30 year "roadmaps" across the individual protection, collective protection and hazard mitigation product areas within the Chemical and Biological Defense Program.

In summary, by his demonstrated efforts, leadership and teamwork, Dr. Bass is truly deserving of being recognized as the Department of Defense Science and Technology Manager of the year.

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AWARD CITATION:

One page; not to exceed 200 words

Dr. Charles A. Bass Jr., the Defense Threat Reduction Agency's Science and Technology Manager supporting the Joint Project Manager Protection (JPM P), is awarded the 2017 Defense Acquisition Workforce Individual Achievement Award for Science and Technology for his truly noteworthy and significant contributions to the success of the Uniform Integrated Protective Ensemble Family of Systems program, the Contamination Indicator and Decontamination Assurance program, and the Joint Biological Agent Decontamination System. Dr. Bass's contributions play a key role in providing the technology and data necessary for the Department of Defense to acquire within the next five years three valuable capabilities. Dr. Bass is a self-effacing professional who leads by example and goes the extra mile to mentor and further the career opportunities of the Science and Technology Analysts under his charge. By his demonstrated efforts, leadership and teamwork. Dr. Bass is a truly selfless individual who exemplifies the achievements required of the 2017 Defense Acquisition Workforce Individual Achievement Award for Science & Technology.



DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
441 G STREET, NW
WASHINGTON, DC 20314-1000

REPLY TO
ATTENTION OF

CECW-CE

MEMORANDUM FOR Director, U.S. Army Acquisition Support Center, ATTN: Vicky Deguzman, 9900 Belvoir Road, Building 201, Suite 101, Fort Belvoir Virginia 22060-5567

SUBJECT: Nomination of Ms. Valerie Clinkenbeard for the 2017 Defense Acquisition Workforce Individual Achievement Award for Facilities Engineering

1. It is with great pleasure that I nominate Ms. Valerie Clinkenbeard for the 2017 Defense Acquisition Workforce Individual Achievement Award for Facilities Engineering.
2. Ms. Clinkenbeard demonstrated exceptional competencies and leadership while serving in two positions at the U.S. Army Engineering and Support Center, Huntsville. Her actions exemplify high standards of service, professionalism, and a commitment to duty that ensured acquisitions were in place to execute the facilities engineering missions of the organization. The enclosed nomination package speaks to Ms. Clinkenbeard's expert knowledge, leadership, and passion which warrant recognition of this prestigious award.
3. My point of contact for this action is Laura Beth Quick, 256-895-1431 or laura.b.quick@usace.army.mil.

A handwritten signature in black ink, appearing to read "J. Dalton", is positioned above the printed name and title.

JAMES C. DALTON, P.E.
Director of Civil Works

2017 Defense Acquisition Workforce Individual Achievement Award

Contact Information

Category: Facility Engineering Career Field

Nominee Information

Name: Ms. Valerie Clinkenbeard

Title: Acquisition Liaison Manager

Address: U.S. Army Corps of Engineers
U.S. Army Engineering and Support Center
4820 University Square
Huntsville, AL 35816

Telephone: 256-895-1361

E-mail: Valerie.L.clinkenbeard@usace.army.mil

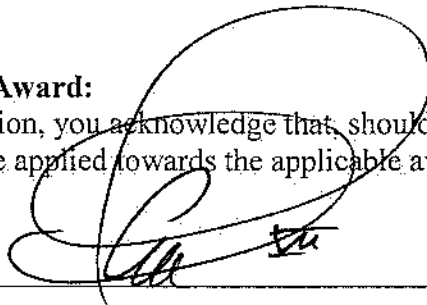
Civilian or Military: Civilian

DoD Component or Agency Name: Department of the Army Corps of Engineers, U.S.
Army Corps of Engineers, U.S. Army Engineering and Support Center, Engineering
Directorate, Huntsville AL

Acknowledgement of Monetary Award:

By submitting this nomination, you acknowledge that, should the nominee be the selected winner, the monetary award will be applied towards the applicable award cap.

Submitting Official's Signature



6 June 2017

Director, Acquisition Career Management Staff Point of Contact

Name: Aimee Ghee

Title: Organization Acquisition point of Contact

Telephone: 256-895-1386

E-mail: aimee.d.ghee@usace.army.mil

2017 Defense Acquisition Workforce Individual Achievement Award

Valerie Clinkenbeard Award Nomination

a. Specific Achievements (50 points):

During the 1 July 2016 to 30 June 2017 period, Ms. Clinkenbeard served as the Acquisition Liaison Manager within the Engineering Directorate at the U.S. Army Engineering and Support, Huntsville Alabama. Ms. Clinkenbeard holds a Bachelor's Degree in Civil Engineering, is a registered Professional Engineer (PE) in the state of Alabama, a Project Management Professional (PMP) and level III acquisition certified in the Facilities Engineering career field. She has made significant contributions to the Army and USACE in her position as Acquisition Liaison Manager. Her duties include managing the resources and schedules required to award billions of dollars in new acquisition contract vehicles. At any given time, she is involved with 20+ acquisitions valued between \$3B - \$5B. Her expert knowledge in technical and contractual issues for project execution has provided superior services to a large number of Department of Defense (DoD) and Federal Agencies to include MEDCOM, IMCOM, individual installations, USMC, USAF, USN, National Guard Bureau, Defense Logistics Agency, Veterans Administration, GSA, and many global customers.

Ms. Clinkenbeard's work on the \$400M Environmental Contingencies acquisition to support the Huntsville Center's work in areas like Afghanistan and Iraq is an example of her superb leadership and scheduling prowess. This acquisition and associated deliverables exceeded the stakeholders' expectations. No small task when the rules of engagement continue to change and evolve both within the Corps of Engineers and the DOD for OCONUS contracts in a contingencies environment. A second key example acquisition that Ms. Clinkenbeard has been instrumental in managing is the \$2B replacement contract for the Utilities Monitoring Controls Systems that serves all types of DOD facilities CONUS and OCONUS. Ms. Clinkenbeard brought a well-rounded knowledge of what technical resources were available to staff this highly complex acquisition. Her leadership of the team led to utilizing innovative acquisition methods including gatekeeper factors and staggered awards. Another area Ms. Clinkenbeard championed is the ever changing cyber security and OPSEC requirements arena. She has been working with the leads in the technical branches to assure the right resources are on the selection boards while still managing cost, schedule and performance. Without this type of attention to the contracts, the provided products and services would be very nebulous and susceptible to cyber-attacks, thus jeopardizing the facilities ability to serve the war fighter.

Another specific attribute Ms. Clinkenbeard possesses is her willingness to take on an additional duties for her organization. She accepted the challenge and has stepped in and excelled in supervising and managing the Cost Engineering Branch (12 employees) for the Engineering Directorate for a period of 120 days plus. This is no small task considering she retained her full time duties as the Center's Acquisition Liaison Manager as noted above. This speaks volumes to her commitment to duty and selfless service - both key ARMY values. When she agreed to perform two jobs it was understood that the replacement would be found timely. However, a

hiring freeze has slowed down the process in such a way that has caused Ms. Clinkenbeard to perform two full time jobs for months.

She has taken on the leadership responsibility in both positions with a positive attitude and great passion for change that speaks volumes about her abilities to serve. She has won the hearts of the staff in time of transition by showing empathy, interest and understanding the challenges that go into serving on product delivery teams from a cost engineering perspective. A cost engineer must be flexible and willing to take on work that is minimally scoped and at time must push back to improve the process. Ms. Clinkenbeard has instituted within the Center's cost community sound business improvement that have received many positive comments from the contracting and project management professionals. She truly is dedicated to improving the work products in the branch.

b. Value of the Nominee's Contributions (30 points):

During the 1 July 2016 to 30 June 2017 period, Ms. Clinkenbeard value contributions to the Acquisition community for the Corps of Engineers has been the leadership, management and technical competency she brings to the two positions she has been serving in. The first being the Acquisition Liaison Manager. As noted in section (a) above, she is responsible for the management all pre-award activities as it pertains to the board selection process through the final award of the IDIQ contracts. Ms. Clinkenbeard has also served as board chairmen for numerous acquisitions boards. Without her tenacity to seeing things get done the Huntsville Center would not be able to execute over 1,300 contract actions and \$2.5B in obligations over the last two fiscal years. The types of services performed for the DOD range from barracks upgrades, to clinic upgrades, to ordnance removal in a contingency environment, and cyber security support to medical facilities. All very valuable to the war fighters. The mission that Huntsville Center is responsible for is national and global without any boundaries assigned.

The second position that Ms. Clinkenbeard has taken on during this award period is serving as the acting branch chief for the Cost estimating community. All government estimates for the contract action over the simplified acquisition level must be done within this branch. Under Ms. Clinkenbeard leadership she has championed numerous changes within the branch that has paid great dividends. For example, she has implemented a more disciplined approach to checking the government estimates against the scope of work. This has resulted in better estimates that are easier to cross walk to the contractor proposals when the cost and price analysis are completed. Next, she is working with the cyber community to develop an actual cost it takes to get authority to operate on a facility utilizing the risk management framework requirement. This will allow the planning and programming community to have real time information to use in there budgeting and planning cycle. Currently, there is not sound basis other than a rough order of magnitude that is used. This put into the estimate a contingency factor that is undefinable.

Finally, Ms. Clinkenbeard demeanor of understanding all the acquisition lifecycle steps has allowed her to teach and train the cost estimators in the art of working in collaborative manner in an integrated product team. This alone has improved the product from the branch one hundred fold.

c. Demonstration of Leadership (20 points):

Ms. Clinkenbeard is a quintessential leader in the Corps of Engineers, Huntsville Center. Every team she has lead, she has does so with passion and sense of purpose. She has never shied away from an opportunity to improve the delivery process for the stakeholders. She sets high standards for herself and the teams she is affiliated with by always treating members with respect. She excels at mentoring new engineers and getting them experience in source selection evaluations. She is also well known as the “go to” person for career advice and mentoring in her areas. She demonstrates this by holding workshops for anyone that wants to learn how to interview or fill out a resume.

She is well respected by her peers, subordinates, and management. Valerie champions diversity through action and has chaired the EEO Special Emphasis Committee for the Center for numerous years. Her unprecedented efforts in leading teams, mentoring individuals, and inspiring others has been instrumental in the Corps of Engineers Huntsville Center awarding contract vehicles that support the United States Forces, their families and the Nation by providing specialized technical expertise, global engineering solutions, and cutting edge innovations in support of national interests.

AWARD CITATION:

Ms. Valerie Clinkenbeard is recognized for her outstanding contributions to the U.S. Army Engineering and Support Center, Huntsville, while serving as the Acquisition Liaison Manager from 1 July 2016 through 30 June 2017. Ms. Clinkenbeard is responsible for the management of all pre-award activities of numerous Indefinite Delivery Indefinite Quantity (IDIQ) contracts supporting services that range from barracks upgrades, medical clinic upgrades, ordnance removal in a contingency environment, to cybersecurity support. At any time, she is involved with 20 or more acquisitions with a total value of \$3B - \$5B. She also took on additional duties as the Cost Engineering Branch Chief during this timeframe, providing invaluable leadership and championing process improvements while serving in the position. Ms. Clinkenbeard's expert knowledge, unwavering commitment to duty, and selfless service reflect great credit upon her, the U.S. Army Corps of Engineer, and the DoD Facilities Engineering Workforce.