

## **First Responders Group BAA 13-012/ CALL 0003**

- 1. Announcement Number:** BAA 13-012/Call 0003
- 2. FBO Solicitation Number:** HSHQDC-13-R-B0012
- 3. Solicitation Open/Close Dates:**
  - Opening Date – 05 May 2015
  - **Closing Date – 19 June 2015**

Proposals are due by 4:00 p.m. EST time on the closing date. There will be no exceptions to the time and date on which responses are due, unless determined otherwise by the Government. Proposals received after the closing date/time will not be considered.

- 4. Solicitation Topics:** The following are the intended topics, subject to change, under each Technical Topic Area (TTA). Please refer to the attached Statement of Objectives (SOOs) for detailed information.
  - **Self-Detecting and Decontaminating Personal Protective Equipment (SOO B)**

Only specialized personnel with customized equipment have hazardous or infectious substance identification capability. None of these capabilities are built into the daily wear uniform. By meeting this requirement, the technology would help decrease healthcare expenses, reduce loss of work time, and improve First Responder health and safety. As a component of the daily work uniform, the proposed technology would both alert the First Responders to contaminant danger as well as provide a minimum level of protection from the danger during the course of normal operations.
  - **Integration of Field-Based Hazard Detection Output (SOO D)**

There is a need to provide First Responders with the ability to input data into a device which will aggregate, interpret, and report information on the presence of a chemical, biological, radiological and nuclear (CBRN) hazardous substance, what threat it poses, and outline the next steps for analysis and remediation. Such an instrument would improve the performance of the response team by providing pivotal training and real-world response models, and ensures First Responders are operating with a complete body of institutional knowledge. The purpose of this technology is to provide a software tool that integrates data from multiple instruments and sources, applies data analytic techniques for better determining the hazard class or CBRN agent, and provide the user with a decision matrix (e.g., other tests that may be required, or suggest if further screening is needed).
  - **Simultaneous Radio Transmissions for Greater Situational Awareness (SOO G)**

First Responders need the ability to exchange information rapidly in high intensity situations; one unfortunate result of which is they often transmit radio calls that coincide with each other. This can keep valuable and potentially life-saving information from being transmitted, leading to a lack of situational awareness at critical times. An advanced technology to receive all radio transmissions will ensure that vital information

is never missed, and if necessary can be retransmitted or communicated to those who need it.

- **Limited English Proficiency Text to 9-1-1 (No SOO, all information is below)**

In December of 2012, the major United States wireless carriers reached an agreement with the National Emergency Number Association (NENA) and the Association of Public-Safety Communications Officials-International (APCO) to ensure that text-to-911 capabilities would be in place by May 2014. Today only a small percentage of the more than 6,000 U.S. Public Safety Access Point's (PSAP) are approved by the Federal Communications Commission (FCC) to answer and respond to text messages. All PSAPs receiving federal funding are legally required to ensure 9-1-1 services are available in an understandable manner to the Limited English Proficiency (LEP) population (i.e., in a language other than English). Approximately 80% of the U.S. population's LEP users are Spanish speaking, which is noteworthy as there are currently no language service providers offering a text to 9-1-1 translation capability in any language.

The Department of Homeland Security, Science and Technology Directorate is looking for a solution that integrate with all nationally-relevant translation applications (e.g., Google translator) used by PSAPs to obtain text to 9-1-1 information. Any solution developed would have to be compatible with existing platforms. The cell phone owner should be able to select the default language they require, and the translation application should automatically use that language during communications. The solution should also provide 'real-time' text messaging to 9-1-1 emergency services using native wireless operator capabilities. Translation intervals and proficiency rates must be compliant with FCC and industry-defined acceptable translation standards.

To close this First Responder capability gap, DHS S&T is looking for a performer to accomplish the following:

- 1 Engage key stakeholders to identify requirements;
- 2 Develop a text translation capability, operational protocols for identifying non-English languages, operator education and training requirements, standardizing the methodology and script for answering text to 9-1-1 calls, and setting 9-1-1 translation standards;
- 3 Design efficient PSAP integration and deployment processes;
- 4 Identify the startup, maintenance and operation cost for a text to 9-1-1 system; and
- 5 Recommend and perform other project activities to support the development of a text to 9-1-1 translation capability.

**5. Number of Awards:** It is anticipated that one (1) award will be made for each topic area. However, multiple awards or no award may be made for each area depending on the quality of the proposals, individual funding requests, and total availability of funds.

**6. Anticipated Ceiling:** See Version 6 of BAA 13-012, Version 6, Section 3- Award Information regarding anticipated ceiling.

7. **Award Type:** See BAA 13-012, Version 6, Section 3- Award Information for information regarding award types.
8. **Anticipated Award Dates:** The 4th Quarter of Fiscal Year 2015 is when the government anticipates making awards. However, the award date for each topic area may vary based on the quality of the proposals and the availability of funds.
9. **Proposal Instructions:** Offerors shall submit their proposals in accordance with BAA 13-012 Version 6, Section 5 - Application and Submission Information.
10. **Evaluation Criteria:** Proposals will be evaluated in accordance with the evaluation criteria contained in the BAA 13-012 Version 6, Section 6 – Evaluation Information.
11. **Foreign Concerns:** Foreign persons are advised that their participation may be subject to Export Control restrictions. Any such restrictions shall be reviewed on an individual award basis.
12. **Questions:** Any questions concerning this call must be submitted via email to the Contract Specialist at [Amalia.Rodezno@hq.dhs.gov](mailto:Amalia.Rodezno@hq.dhs.gov) and copy the Contracting Officer at [sharon.flowers@hq.dhs.gov](mailto:sharon.flowers@hq.dhs.gov) no later than **May 19, 2015 2:00 PM EST** in the following format:

Question #	Reference	Contractors' Question
1	General (if there is no specific document reference)	
2	(Example) BAA 13-012 V.6, page 15, Section 5.2, first paragraph, second sentence	
3	(Example) BAA 13-012/Call 0002, page 2, Section 9, first sentence	
4	(Example) SOO C, page 2, Section 5.1, second paragraph, second sentence	

Please include “Questions for FRG BAA Call 0003/SOO No. x” in the subject line. All questions and responses will be posted on the Federal Business Opportunities website <http://www.fbo.gov> or from <https://baa2.st.dhs.gov>. Questions will only be accepted or answered electronically.

**13. Attachments:**

SOO No.	SOO/TTA Title
<b>B</b>	Self-Detecting and Decontaminating Personal Protective Equipment
<b>D</b>	Integrate Field-based Hazard Detection Instrument Output and Provide Actionable Analysis and Steps
<b>G</b>	Simultaneous Radio Transmissions for Greater Situational Awareness

**14. Additional Information:** In the event that any of the information contained in the SOOs conflict with BAA 13-012 V.3 (for example, Government Furnished Equipment/ Information/Property) the individual SOO shall take precedence.