



Press Release

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DEPARTMENT OF HOMELAND SECURITY SEEKS TO DEVELOP STAND-ALONE, MOBILE POTABLE WATER TREATMENT SYSTEMS FOR DISASTER RESPONSE

WASHINGTON— The U.S. Department of Homeland Security’s (DHS) Science and Technology Directorate (S&T) Commercialization Office today released the newest Commercial Applications Requirements Document (CARD) that articulates the specific requirements for a stand-alone, mobile potable water treatment system to be used during disaster response efforts. S&T worked with the emergency response and recovery communities to identify the need for mobile water treatment systems in the field, and will evaluate solutions proposed by the private sector under the System Efficacy through Commercialization Utilization Relevance and Evaluation (SECURE) program.

SECURE is a unique public-private partnership where S&T provides detailed requirements to the private sector to encourage the development of a fully deployable product or service that meets those needs. S&T then assesses operational performance of the product or service proposed through third-party testing and evaluation. Products and services that demonstrate through operational test and evaluation that their system’s proposed functionality meets or exceeds requirements will have the opportunity to receive SECURE certification.

“Clean, drinkable water is a critical resource in the aftermath of a disaster,” said DHS Chief Commercialization Officer Dr. Tom Cellucci, “Natural disasters and other catastrophic events can result in significant damage to critical infrastructure that contaminates water supplies or destroys water delivery systems. That’s why we need a portable, self-contained water purifier to enhance our disaster response and relief efforts.”

The release of the Mobile Water Purification CARD represents the evolution of SECURE from a pilot to a fully operational program. “In a challenging budget climate, innovative public-private partnerships such as SECURE are the wave of the future,” Cellucci said.

The specific requirements for the device would include: ergonomic portability, a self-contained and self-sufficient power source, and the ability to produce 30,000 gallons of fresh, potable water each day. Complete details can be found in the [Mobile Water Purification CARD](#).

For more information about the SECURE program, click [here](#).

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