



To: Bay Area UASI Approval Authority

From: Philip D. White, CBRNE Project Manager

Date: May 11, 2017

Re: Item 6: Preventative Radiological, Nuclear Detection (PRND) Program Update

Action or Discussion Items:

Discussion, Possible Action

Background:

In January 2014, a Bay Area Preventive Radiological Nuclear Detection (PRND) Executive Task Force was established to address the identified gap of the Bay Area's ability to detect and interdict radiological/nuclear materials taken out of regulatory control for use as a weapon of mass destruction by terrorists. A PRND strategic plan was developed, forming a PRND Focus Group under the CBRNE Workgroup. In April 2014, the focus group identified Principal Partner voting members to facilitate recommendations to the UASI General Manager [in support of a Securing the Cities grant submission from the Bay Area].

To date, the PRND Focus Group has developed, recommended, and received Bay Area UASI Approval Authority approval and/or adoption of numerous plans, operational tools, exercises, and funding allocations such as the:

- Bay Area PRND [land based] Concept of Operations including a regional equipment procurement recommendation and a multi-year training and exercise plan (April 2014)
- Bay Area PRND San Francisco Bay [maritime] Concept of Operations Plan and Standard Operations Procedures (December 2015)
- PRND SF Bay Concept of Operations Bay Ferry IV Full Scale Exercise in preparation for Super Bowl 50 (January 2016)
- PRND Policy and Procedures Manual (November 2016)
- FY16 \$200K regional equipment funding request (January 2017)

Current Status:

The PRND focus group continues its multi-year effort to build the Bay Area's capacity to respond to a radiological/nuclear incident. Year-to-date, over 250 law enforcement and fire personnel have received training in primary and secondary screening for radiological/nuclear materials, enabling the Bay Area to form hazardous materials and explosive ordnance teams when needed.

Through the PRND focus group, numerous federal resources have engaged with the Regional Training and Exercise Program in 2017. The Domestic Nuclear Detection Office (DNDO) and the Center for Radiological/Nuclear Training (CTOS) sponsored radiological/nuclear train-the-trainer and a maritime PRND courses. Additional PRND Team Operations and Team Leader courses are scheduled for June.

Per the recommendation in the PRND Policy/Procedures manual, a regional equipment procurement process for radiation detectors and monitoring equipment using UASI regional funds will be completed this year. A risk based approach was used by stakeholders to determine equipment distribution.

Next Steps:

These trainings and procured equipment will be used in the October 2017 Vigilant Guardian Full Scale Exercise. The exercise is scheduled to take place over a six day period from Monday, October 23 through Saturday, October 28. There will be a series of trainings, workshops and tabletop exercises preceding the Vigilant Guardian Full Scale Exercise.

The beginning of Vigilant Guardian will include training opportunities for law enforcement, hazardous materials and explosive ordnance team's personnel to demonstrate their knowledge and skills by participation in a series of realistic PRND scenarios. The last day of the exercise culminates in the simulated detonation of a Radiation Dispersal Device (RDD) in the financial district of San Francisco. This scenario will provide fire, EMS, law enforcement, emergency managers and public health agencies the opportunity to assess their ability to provide fire, rescue and emergency services in the "First 100 Minutes" following such an incident using a science based approach.

Following the 2017 Vigilant Guardian exercise, an After Action Report and Improvement Plan will be published. An update on the PRND Program will be provided to the Approval Authority in early 2018.