



**To: Bay Area UASI Approval Authority**

**From: Philip D. White, CBRNE Project Manager**

**Date: November 9, 2017**

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

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**Action or Discussion Items:**

Discussion, Possible Action

**Background:**

Since 2014, the Bay Area UASI has been developing a Preventive Radiological/Nuclear Detection (PRND) Program to prepare for the possible use of radiological and nuclear materials that have been taken out of regulatory control and used as a weapon of mass destruction. To date, this Workgroup, comprised of agencies from around the region, has developed multi-year planning efforts, drafted policies and procedures, a Concept of Operations, and SOPs, identified regional equipment procurement, and trained over 400 first responders. The first exercise in which the PRND participated was 2016's Bay Ferry IV maritime full-scale exercise. This led to the development of the region's latest full-scale exercise (FSE) - Vigilant Guardian.

In partnership with the Domestic Nuclear Detection Office, Department of Energy, Defense Threat Reduction Agency, FBI, FEMA Region IX, US Coast Guard, Cal OES, CA Army National Guard, local first responder agencies, and participating hospitals, the PRND Workgroup planned and conducted Vigilant Guardian, a full scale radiological/nuclear detection, interdiction, and consequence management FSE at different locations throughout the Bay Area from October 23-28, 2017.

**Current Status:**

Most of the last quarter has been spent in preparation for Vigilant Guardian. Leading up to the event, multiple planning meetings, 4 workshops and 18 training classes were held. Beginning on Friday, October 20 and ending on Saturday, October 28, land-based venues from around the Bay Area, including both San Jose and Oakland International Airports and a BART station, and

maritime-based venues in the waters off Yerba Buena Island and the Golden Gate Ferry and South Beach Harbor were utilized to test the region's radiological/nuclear detection, interdiction, and consequence management capabilities.

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

**Next Steps:**

To leverage the progress that has been made, the PRND Workgroup continues to work collaboratively with various federal government agencies, including: the Federal Bureau of Investigation (FBI) coordinating with the Northern California Regional Information Center (NCRIC), the Department of Homeland Security (DHS) Domestic Nuclear Detection Office (DNDO), the Department of Energy (DOE) Office of Nuclear Incident Response Consequence Management Program, and the Department of Defense (DOD) Defense Threat Reduction Agency (DTRA). PRND Workgroup discussions regarding the development of a 2018 Vigilant Guardian exercise will begin in December 2017. An After Action Report and Improvement Plan are in preparation and will be presented to the Approval Authority in early 2018.