



**To: Bay Area UASI Approval Authority**

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

**Date: March 8, 2018**

**Re: Item 5: Preventive Radiological Nuclear Detection (PRND) Program Update**

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**Staff Recommendation:**

No recommendation

**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 Focus Group, 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 CBRNE full-scale exercise (FSE) - Vigilant Guardian that took place in October 2017. The PRND Program activities are summarized in the Appendix A PowerPoint presentation.

**Current Status:**

Most of the last quarter has been spent updating the region's PRND Concept of Operations Plan and Standard Operating Procedures to reflect the recent merging of the Domestic Nuclear Detection Office (DNDO) in the new Countering Weapons of Mass Destruction Office. Other work has included the scheduling of planned PRND trainings and exercises.

This year the following PRND training courses will be provided to the region by the Bay Area UASI Training & Exercise Program:

- “PRND Primary/Secondary Screener” course to be offered each quarter.
- “PRND Primary/Secondary Screener” Train-the-Trainer course to be offered in the second quarter of the year.
- “PRND Team Operations” course to be offered in the second quarter of the year.
- “PRND Team Leader” course to be offered in the second quarter of the year.
- “Maritime PRND Operations” course to be offered in the third quarter of the year.

This year the following PRND exercises will be planned for and conducted in the region:

- PRND tabletop exercise “Isotope Crossroads” based on the theft of radiological/nuclear materials during transportation.
- PRND Tabletop Exercise “Vigilant Guardian-2018” based on the attempt to smuggle a Radiological Dispersal Device (RDD) or “Dirty Bomb” into the Bay Area.
- PRND Full-Scale Exercise “Urban Shield” based on terrorist attack using a Radiation Exposure Device (RED).
- PRND Full Scale Exercise “Vigilant Guardian-2019” planning based on Improvised Nuclear Device (IND).

### **Next Steps:**

To leverage the progress that has been made, the PRND Focus Group continues to implement the recommendations of the Vigilant Guardian-2017 After Action Report and Improvement Plan, as well as work collaboratively with various federal government agencies, including: the Federal Bureau of Investigation coordinating with the Northern California Regional Information Center (NCRIC), the Department of Homeland Security - Domestic Nuclear Detection Office (DNDO), the Department of Energy - Office of Nuclear Incident Response Consequence Management Program, and the Department of Defense - Defense Threat Reduction Agency (DTRA).