State of Florida Preventive Radiological/Nuclear Detection (PRND) Program Update

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What Will We Cover?

- Crisis vs. Consequence Management
- The PRND Process
- What are We Looking for?
- Critical Infrastructures/Priorities
- Historical Perspective in Florida
- Scope of Coverage
- Current Status of PRND
- Program Goals/Benefits
- PRND Assets
- Recent PRND Efforts in Florida
- The Future of PRND in Florida
Crisis Management

- Measures to identify, acquire, and plan the use of resources needed to anticipate, prevent, and/or resolve a threat or act of terrorism. The laws of the United States assign primary authority to the Federal Government to prevent and respond to acts of terrorism. State and local governments provide assistance as required. Crisis management is predominantly a law enforcement response. (PDD-39)
Consequence Management

Measures taken to protect public health and safety, restore essential government services, and provide emergency relief to governments, businesses, and individuals affected by the consequences of a chemical, biological, nuclear, and/or high-yield explosive situation. For domestic consequence management, the primary authority rests with the States to respond and the Federal Government to provide assistance as required. (PDD-39)
The PRND Process

Preventive Radiological Nuclear Detection (PRND) Provides an opportunity to disrupt this process…
The Florida PRND program mission statement:

The mission of the Florida Preventive Radiological Nuclear Detection Program is to protect the people, economy, and natural resources of Florida against threats posed by the unauthorized use of radiological and nuclear materials.
What Are We Looking For?

- **An IND** is a device capable of producing nuclear yield, employed for terrorist or criminal purposes. It may be a modified stockpile warhead, a state-designed nuclear explosive, or a device fabricated by a terrorist/criminal organization.

- **An RDD** is a device intended to disperse radioactivity for malevolent reasons. It is not capable of producing nuclear yield.

- **A RED** is radioactive material as a sealed source or in a container, that exposes people to radiation.
Threat Materials – Florida Based

- Florida has over 1,700 radioactive material licensees, almost all with multiple sources.
- There are approximately 2,000 mobile gauges with radioactive material on the roadways.
- 17 licensees have category 1 sources (very large sources immediately dangerous to life and health including blood irradiators, industrial irradiators and research irradiators.)
- There are two large irradiators with more than 2 million curies of radioactive material.
Critical Infrastructure/Priorities

- Highway System
  -- Commercial vehicle inspection
  -- Highway interdiction
- Maritime Interdiction
  -- Ports
- Special Events
- Intelligence-driven Operations
Why We Were Formed?

- The DHS Law Enforcement Terrorism Prevention Program (LETPP) Funding Committee identified numerous gaps in the area of Preventive Radiological/Nuclear Detection.
- In the Fall of 2007, the FL Domestic Security Oversight Committee voted to establish a Preventive Radiological/Nuclear Detection Sub-Committee under Operations and Plans within the State Working Group.
Florida’s Preventive Radiological/Nuclear Detection Enterprise Committee

- FL Highway Patrol- Commercial Vehicle Enforcement
- Florida DACS - Agriculture
- Florida DOH-BRC/PHDs
- FDLE/Florida Fusion Center
- Florida Fire Chief’s Association
- Florida Sheriffs' Association
- Fish and Wildlife Conservation Commission
- National Preparedness Institute at Indian River State College
- State Fire Marshal’s Office
- Each of the 7 Regional Domestic Security Task Forces
- Florida National Guard 44th and 48th CST
- HAZMAT Agencies
- FL Division of Emergency Management
- TSA
- UASI
- Office of the Attorney General
- National Nuclear Security Administration/RAP Team 3
- Domestic Nuclear Detection Office (DHS-DNDO)
Scope of Coverage

- Maritime – FL Fish and Wildlife CC
- Roadway (commercial vehicles) - FL Highway Patrol – tractor/trailers
- Special events coverage
Program Goals/Benefits

The PRND subcommittee also wrote PRND program goals for Florida:

- Created a uniform Concept of Operations
- Created uniform reachback procedures
- Allowed for uniform purchasing of equipment at lower prices
- Allowed for the efficient and effective exchange of Rad/Nuke intelligence between Florida’s local, state, and DNDO partners, as well as create one touch point between Florida and DNDO
Program Goals/Benefits (cont.)

- Allowed for uniform training at one Florida based training facility
- Consolidated curriculum development and approval to allow for the awarding of college credit
- Allowed effective cooperative efforts during special events and intelligence driven threats
- Gave Florida input into the development of programs that meet multi-jurisdictional needs such as the JAC Portal for PRND information sharing and analysis
Florida’s PRND equipment inventory includes:

- RSI & ASP Variant L mobile units
- Radioisotope identifiers (RIIDs)
- Personal Radiation Detectors (PRDs)
- Radiation Detection Backpacks
Advanced Spectroscopic Portal
Variant L
PRND Assets (cont.)

- Ortec HPGe Portable Detectors
- Sensor Technology Linear Radiation Monitors
A Preventive Rad/Nuke Detection Enterprise Model has been in statewide operation between the various state and local partners to include law enforcement, emergency response and fire communities, and others for the past 7 years.

JAC/DOE Reachback/Triage
- Both have methods to submit alarms without passwords
Bureau of Radiation Control

PRND Operations

- Governors Inauguration
- Super Bowls, BCS games
- Florida v Georgia game
- Blue Angels Air Shows
- Daytona 500 Races
- Coke Zero 400 Races
- Republican National Convention
- Boca Raton Presidential Debate
Bureau of Radiation Control
PRND Operations
Bureau of Radiation Control

PRND Operations
Future of PRND in Florida

2015-19 Strategic Plan

- Mission Sustainability
- Mission Expansion
- Mission Continuity
Mission Sustainability

- Funding
  - Maintenance
  - Emerging technologies
  - Replacement of old equipment
  - Training and exercises
- Strategic communications for support
  - Leadership
  - Decision-makers
- Evaluation of mission sustainability
Mission Expansion

- **Services**
  - Identification of new partners

- **Equipment**
  - Maintaining existing equipment while exploring emerging technologies

- **Personnel**
  - Trained staff
  - Statewide Mission Coordinator
Mission Continuity

- **Policy**
  - Statewide ops guide for mission implementation and equipment deployment

- **Uniform standards**
  - Assets
  - Training--1°, 2°, 3° screeners

- **Evaluation**
  - Exercises--regionally
Summary

- Florida first PRND program in U.S.
- Operational for past 7 years
- Multidisciplinary including BRC, Highway Patrol, and Waterborne
- Future aimed at sustainability, expansion, and continuity
Questions?

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