

PREVENTIVE RADIOLOGICAL NUCLEAR DETECTION TEAM

DESCRIPTION	A team comprised of public safety personnel from various backgrounds that detects radiological and nuclear materials.
RESOURCE CATEGORY	Prevention
RESOURCE KIND	Team with personnel and equipment components
OVERALL FUNCTION	<p>The team:</p> <ol style="list-style-type: none"> 1. Uses Preventive Radiological Nuclear Detection (PRND) tools and training to detect nuclear and radiological material out of regulatory control 2. Supports Primary Screening, Secondary Inspection, Wide Area Search, Advanced Wide Area Search, and Advanced Secondary Inspection 3. Is not capable of handling interdiction and other law enforcement missions unless sworn law enforcement personnel are assigned
COMPOSITION AND ORDERING SPECIFICATIONS	<ol style="list-style-type: none"> 1. Discuss logistics for this team (such as security, lodging, transportation, and meals) prior to deployment 2. Teams work up to 12 hours per shift, are self-sustained for 72 hours, and are deployable up to 14 days 3. Teams are scalable by type, based on the needs of the event 4. Requestor should specify if law enforcement capabilities are necessary 5. Requestor may order additional PRND Team Operators, but should ensure a span of control consistent with the Incident Command System (ICS)

Each type of resource builds on the qualifications of the type below it. For example, Type 1 qualifications include the qualifications in Type 2, plus an increase in capability. Type 1 is the highest qualification level.

COMPONENT	TYPE 1	TYPE 2	TYPE 3	TYPE 4	NOTES
EQUIPMENT (COMMUNICATIONS) PER TEAM COMMUNICATIONS	Same as Type 2	Same as Type 3	Same as Type 4, PLUS: Laptop with aircard or satellite phone	2-way hand-held radio	Not Specified
EQUIPMENT PER TEAM HIGH RANGE RADIATION DETECTOR	1 - Radiation Survey Meter	Not Specified	Not Specified	Not Specified	The Radiation Survey Meter is not a NIMS typed resource.
EQUIPMENT PER TEAM ISOTOPE IDENTIFICATION	Same as Type 2, PLUS: 1 - NIMS Type 1 RIID	Same as Type 3	1 - NIMS Type 2 RIID	Not Specified	Not Specified
EQUIPMENT PER TEAM RADIATION DETECTOR	Same as Type 2, PLUS: 2 - NIMS Type 1 or Type 2 PRD 1 - NIMS Type 1 or Type 2 Vehicle Mounted Detection System	Same as Type 3, PLUS: 3 - NIMS Type 1 or Type 2 PRD 2 - NIMS Type 1 or Type 2 Human Portable Radiation Detector	Same as Type 4	3 - NIMS Type 1 or Type 2 Personal Radiation Detector (PRD)	Team operating with only PRDs should have established access to a Radio-Isotope Identification Device (RIID) to conduct secondary screening.
PERSONNEL PER TEAM DETECTION OPERATIONS	Same as Type 2, PLUS: 2 - NIMS Type 2 PRND Team Operator	Same as Type 3, PLUS: 3 - NIMS Type 2 PRND Team Operator	Same as Type 4	2 - NIMS Type 2 PRND Team Operator	Requestor should specify NIMS Type 1 PRND Team Operator if law enforcement capability is necessary.

Resource Typing Definition for Screening, Search, and Detection Prevention

COMPONENT	TYPE 1	TYPE 2	TYPE 3	TYPE 4	NOTES
PERSONNEL PER TEAM MANAGEMENT AND OVERSIGHT	Same as Type 2	Same as Type 3	Same as Type 4	1 - National Incident Management System (NIMS) Type 2 PRND Team Leader	Requestor should specify NIMS Type 1 PRND Team Leader if law enforcement capability is necessary.
PERSONNEL PER TEAM MINIMUM	8	6	Same as Type 4	3	Not Specified
TEAM - REQUEST FOR MUTUAL AID SHOULD SPECIFY SPECIALTY SERVICES AS NEEDED. PER TEAM RADIATION DETECTION AND IDENTIFICATION	Same as Type 2, PLUS: Advanced Wide Area Search Advanced Secondary Inspection	Same as Type 3, PLUS: Wide Area Search	Same as Type 4, PLUS: Secondary Inspection	Primary Screening	<ol style="list-style-type: none"> 1. Primary Screening may consist of chokepoint and checkpoint operations, land border points of entry, defined rooms, cargo containers, and vehicles. 2. Secondary Inspection operations occur when an alarm sounds during primary screening. 3. Wide Area Search may include sweeps of large areas, such as stadiums, and defined areas within an urban, suburban or rural area. 4. Advanced Wide Area Search includes sweeps of larger geographic areas, such as roadways. 5. Advanced Secondary Inspection operations provide increased confidence of isotope identification.

Superseded

NOTES

Nationally typed resources represent the minimum criteria for the associated component and capability.

REFERENCES

1. FEMA, NIMS 509-6: Preventive Radiological Nuclear Detection Team Leader
2. FEMA, NIMS 509-6: Preventive Radiological Nuclear Detection Team Operator
3. FEMA, NIMS 508-6: Personal Radiation Detector
4. FEMA, NIMS 508-6: Radio-Isotope Identification Device
5. FEMA, NIMS 508-9: Human Portable Radiation Detector Backpack
6. FEMA, NIMS 508-6: Vehicle Mounted Radiological Nuclear Detection System

Superseded