

## PREVENTIVE RADIOLOGICAL NUCLEAR DETECTION TEAM

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

RESOURCE TYPES			TYPE 1	TYPE 2	TYPE 3	TYPE 4
COMPONENT	METRIC/ MEASURE	CAPABILITY				
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
			<b>NOTES:</b> 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.			
Personnel	Per Team	Minimum	8	6	Same as Type 4	3
			<b>NOTES:</b> Not Specified			
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
			<b>NOTES:</b> Requestor should specify NIMS Type 1 PRND Team Leader if law enforcement capability is necessary.			



RESOURCE TYPES			TYPE 1	TYPE 2	TYPE 3	TYPE 4
COMPONENT	METRIC/ MEASURE	CAPABILITY				
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
			<b>NOTES:</b> Requestor should specify NIMS Type 1 PRND Team Operator if law enforcement capability is necessary.			
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)
			<b>NOTES:</b> Team operating with only PRDs should have established access to a Radio-Isotope Identification Device (RIID) to conduct secondary screening.			
Equipment	Per Team	High Range Radiation Detector	1 - Radiation Survey Meter	Not Specified	Not Specified	Not Specified
			<b>NOTES:</b> 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
			<b>NOTES:</b> Not Specified			
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
			<b>NOTES:</b> Not Specified			

Superseded

## REFERENCES

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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

## NOTES

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

**Superseded**