

## MARITIME PREVENTIVE RADIOLOGICAL NUCLEAR DETECTION TEAM

<b>DESCRIPTION</b>	A team composed of maritime 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 in the maritime environment</li> <li>2. Supports Primary Screening, Secondary Inspection, and Wide Area Search</li> <li>3. Is not capable of handling interdiction and other law enforcement PRND missions unless the team has assigned, sworn law enforcement personnel</li> </ol>
<b>COMPOSITION AND ORDERING SPECIFICATIONS</b>	<ol style="list-style-type: none"> <li>1. Discuss logistics for deploying this team, such as working conditions, length of deployment, security, lodging, transportation, and meals, prior to deployment</li> <li>2. The requestor may request the boat with or without a boat operator, if requested without a boat operator, the requestor should provide one</li> <li>3. Teams are scalable by type, based upon 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>

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	NOTES
<b>MINIMUM PERSONNEL PER TEAM</b>	Same as Type 2	Same as Type 3	3	Not Specified
<b>MANAGEMENT AND OVERSIGHT PERSONNEL PER TEAM</b>	Same as Type 2	Same as Type 3	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.
<b>SUPPORT PERSONNEL PER TEAM</b>	Same as Type 2	Same as Type 3	2 - NIMS Type 2 PRND Team Operator	Requestor should specify NIMS Type 1 PRND Team Operator if law enforcement capability is necessary.
<b>DETECTION AND IDENTIFICATION TEAM PER TEAM</b>	Same as Type 2, PLUS: Advanced Wide Area Search	Same as Type 3, PLUS: Secondary Inspection	Primary Screening	<ol style="list-style-type: none"> <li>1. Primary Screening includes the screening of maritime vessels and cargo containers on the vessel or in port facilities.</li> <li>2. Secondary Inspection operations occur when an alarm sounds during primary screening.</li> <li>3. Advanced Wide Area Search consists the screening of cargo seaports of entry and port facilities.</li> </ol>

## Resource Typing Definition for Screening, Search, and Detection Prevention

COMPONENT	TYPE 1	TYPE 2	TYPE 3	NOTES
<b>TRANSPORTATION EQUIPMENT PER TEAM</b>	Same as Type 2	Same as Type 3	1 - Boat	The Agency Having Jurisdiction (AHJ) should verify the boat type prior to deployment.
<b>RADIATION DETECTOR EQUIPMENT PER TEAM</b>	Same as Type 2, PLUS: 1 - NIMS Type 1 or Type 2 Human Portable Radiation Detector or 1 - NIMS Type 1 or Type 2 Vehicle Mounted Detection System	Same as Type 3	2 - Type 1 or Type 2 Personal Radiation Detector (PRD)	Teams operating with only PRDs should have established access to a Radio-Isotope Identification Device (RIID) for secondary screening.
<b>HIGH RANGE RADIATION DETECTOR EQUIPMENT PER TEAM</b>	1 - Radiation Survey Meter	Not Specified	Not Specified	The Radiation Survey Meter is not a NIMS typed resource.
<b>ISOTOPE IDENTIFICATION EQUIPMENT PER TEAM</b>	Same as Type 2	1 - NIMS Type 1 or Type 2 RIID	Not Specified	Not Specified
<b>COMMUNICATIONS EQUIPMENT PER TEAM</b>	Same as Type 2	Same as Type 3, PLUS: Laptop with aircard or satellite phone	2-way hand-held radio	Not Specified

## NOTES

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

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## 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 508-6: Human Portable Radiation Detector Backpack
6. FEMA, NIMS 508-6: Vehicle Mounted Radiological Nuclear Detection System
7. FEMA, National Incident Management System (NIMS), October 2017