

## PERSONAL RADIATION DETECTOR

<b>DESCRIPTION</b>	An alarming Personal Radiation Detector (PRD) worn on the body to detect photons and, in some cases, neutrons.
<b>RESOURCE CATEGORY</b>	Prevention
<b>RESOURCE KIND</b>	Equipment
<b>OVERALL FUNCTION</b>	This equipment detects the presence of radiation in a limited area in the vicinity of the equipment operator
<b>COMPOSITION AND ORDERING SPECIFICATIONS</b>	<ol style="list-style-type: none"> <li>1. The Agency Having Jurisdiction (AHJ) and requestor should address the following prior to deployment:           <ol style="list-style-type: none"> <li>a. Logistics support, such as transportation and personnel</li> <li>b. Type of incident and event</li> <li>c. Spare batteries and battery recharging</li> <li>d. Additional features, such as dose rate capable, low profile mode, ruggedized, and network capable</li> <li>e. Global Positioning System</li> </ol> </li> <li>2. The requestor can request this resource with or without the personnel component of a National Incident Management System (NIMS) Type 2 Preventive Radiological Nuclear Detection (PRND) Screener</li> <li>3. If the requestor orders this resource without personnel, the AHJ should have a NIMS Type 2 PRND Screener or provide face-to-face training specific to the mission, without lag time between training and mission deployment</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	NOTES
<b>RADIATION DETECTION EQUIPMENT PER RESOURCE</b>	Same as Type 2, PLUS: Neutron	Gamma	Not Specified



## NOTES

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

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## REFERENCES

1. FEMA, National Incident Management System (NIMS), October 2017
2. American National Standards Institute/Institute of Electrical and Electronics Engineers, Inc. (ANSI/IEEE) N42.32-2006 American National Standard Performance Criteria for Alarming Personal Radiation Detectors for Homeland Security, February 2007
3. ANSI/IEEE N42.48-2008 American National Standard Performance Requirements for Spectroscopic Personal Radiation Detectors (SPRDs) for Homeland Security, May 2008