



**Australian Government**

# **PUAFIR308B Employ personal protection at a hazardous materials incident**

**Release 2**

# PUAFIR308B Employ personal protection at a hazardous materials incident

## Modification History

Release	TP Version	Comments
2	PUA12 V2	Content reviewed Application of the Unit added Method of assessment added
1	PUA00 V8.1	Primary release on TGA

## Unit Descriptor

This unit covers the competency required to select, don, test and safely operate appropriate personal protective clothing and equipment at an incident involving dangerous goods and hazardous substances.

No licensing, legislative, regulatory or certification requirements apply to this unit at the time of publication.

## Application of the Unit

This unit applies to personnel required to don, test and operate designated personal protective clothing and equipment at a hazardous materials incident.

The Incident Controller will determine the appropriate level of personal protection required at a hazardous materials incident based on information collected at the site, and advice received from electronic databases and specialist sources.

'Hazardous materials incident' is the term used generically to describe any incident involving dangerous goods and hazardous substances.

## Licensing/Regulatory Information

Not applicable.

## Pre-Requisites

PUAFIR207B Operate breathing apparatus open circuit

## Employability Skills Information

This unit contains employability skills.

## Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a Unit of Competency.

Performance Criteria describe the required performance needed to demonstrate achievement of the element. Where ***bold italicised*** text is used, further information is detailed in the Range Statement. Assessment of performance is to be consistent with the Evidence Guide.

## Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
<b>1. Select, don and test protective clothing</b>	<p><b>1.1 <i>Personal protective clothing</i></b> is identified using <i>relevant sources</i>, selected and checked in accordance with identified hazards and organisational <i>procedures</i>.</p> <p>1.2 Protective clothing is donned, and tested where required, in accordance with organisational safe work practices.</p> <p><b>1.3 <i>Protective equipment</i></b> is checked, donned and tested prior to entry into fire or hazardous atmosphere to ensure it is operational and meets organisational work health and safety (WHS) guidelines.</p>
<b>2. Work in area of operations</b>	<p>2.1 Protective equipment is operated to minimise the risk of injury to the wearer and others from <i>environmental health hazards</i> in accordance with organisational procedures.</p> <p>2.2 Activities undertaken by the wearer in the area of operations are in accordance with organisational safe work practices and WHS guidelines.</p>
<b>3. Complete operations</b>	<p><b>3.1 <i>Decontamination procedures</i></b> are implemented, if required, on leaving the area in accordance with organisational procedures.</p> <p>3.2 Protective clothing and equipment are removed without damage in accordance with safe work practices.</p> <p>3.3 Protective clothing and equipment are cleaned, maintained or serviced and stowed in accordance with organisational procedures.</p> <p><b>3.4 <i>Documentation</i></b> is completed in accordance with organisational procedures.</p>

## Required Skills and Knowledge

This describes the essential skills and knowledge and their level, required for this unit.

### Required Skills

- don various types of protective clothing using agency procedures
- identify appropriate protective clothing for a range of hazardous materials
- operate breathing apparatus
- test and maintain protective clothing
- work in protective clothing and equipment at incidents

### Required Knowledge

- agency procedures
- breathing apparatus maintenance and testing procedures
- decontaminating protective clothing and equipment procedures
- donning procedures for protective clothing
- limitations of protective clothing
- local and systemic effects of industrial toxins
- main routes of entry of toxins into the human body
- protective clothing and equipment maintenance procedures
- protective clothing and equipment selection procedures
- protective clothing and equipment worn at dangerous goods and hazardous substances incidents
- purpose, component parts and operation of breathing apparatus
- safe work practices
- use and limitations of exposure standards

## Evidence Guide

The evidence guide provides advice on assessment and must be read in conjunction with the Performance Criteria, Required Skills and Knowledge, the Range Statement and the Assessment Guidelines for this Training Package.

### **Critical aspects for assessment and evidence required to demonstrate competency in this unit**

Assessment must confirm the ability to:

- select, don, operate and maintain protective clothing and equipment using safe work practices and agency procedures

### **Consistency in performance**

Competency should be demonstrated over time in a range of actual or simulated workplace environments.

### **Context of and specific resources for assessment**

#### **Context of assessment**

Competency should be assessed on-the-job.

#### **Specific resources for assessment**

Access is required to:

- operational and cleaning equipment
- breathing apparatus

### **Method of assessment**

This unit may be assessed with the following unit/s:

- PUAFIR320 Render hazardous materials incidents safe.

In a public safety environment assessment is usually conducted via direct observation in a training environment or in the workplace via subject matter supervision and/or mentoring, which is typically recorded in a competency workbook.

Assessment is completed using appropriately qualified assessors who select the most appropriate method of assessment.

Assessment may occur in an operational environment or in an agency-approved simulated work environment.

Forms of assessment that are typically used include:

- direct observation
- interviewing the candidate
- journals and workplace documentation
- third party reports from supervisors
- written or oral questions

## Range Statement

<p>The Range Statement relates to the Unit of Competency as a whole. It allows for different work environments and situations that may affect performance. <b><i>Bold italicised</i></b> wording in the Performance Criteria is detailed below.</p>	
<p><b><i>Personal protective clothing</i></b> must include:</p>	<ul style="list-style-type: none"> <li>• turnout uniform and gloves</li> <li>• chemical protective clothing including splash suits</li> </ul>
<p>and may also include:</p>	<ul style="list-style-type: none"> <li>• limited use (disposable)</li> <li>• gas-tight suits</li> <li>• multi-use (reusable)</li> <li>• thermal protective clothing</li> </ul>
<p>Personal protective clothing is identified using <b><i>relevant sources</i></b> must include:</p>	<ul style="list-style-type: none"> <li>• material safety data sheets</li> <li>• emergency procedure guide – transport</li> <li>• electronic databases</li> <li>• technical specialists</li> <li>• relevant Australian Standards, codes of practice</li> <li>• organisational procedures</li> </ul>
<p>and may also include:</p>	<ul style="list-style-type: none"> <li>• emergency response guide books</li> <li>• HAZCHEM emergency action code</li> <li>• HAZMAT action guide</li> </ul>
<p><b><i>Procedures</i></b> may include:</p>	<ul style="list-style-type: none"> <li>• codes of practice</li> <li>• manufacturer specifications</li> <li>• organisational procedures</li> <li>• training manual procedures</li> <li>• WHS guidelines</li> </ul>
<p><b><i>Testing procedures</i></b> may include:</p>	<ul style="list-style-type: none"> <li>• observance of</li> <li>• codes of practice</li> <li>• manufacturer specifications</li> <li>• organisational testing procedures</li> </ul>
<p><b><i>Protective equipment</i></b> must include:</p>	<ul style="list-style-type: none"> <li>• breathing apparatus</li> <li>• control boards</li> <li>• distress signal units (DSU)</li> </ul>
<p><b><i>Environmental health hazards</i></b> may include:</p>	<ul style="list-style-type: none"> <li>• light, heat, cold</li> <li>• postural restrictions</li> <li>• psychological stress</li> <li>• radiation, noise, vibration</li> <li>• air lines</li> <li>• respirator</li> </ul>
<p><b><i>Decontamination procedures</i></b> must include:</p>	<ul style="list-style-type: none"> <li>• decontamination area:             <ul style="list-style-type: none"> <li>• holding area</li> </ul> </li> </ul>

	<ul style="list-style-type: none"><li>• wash area</li><li>• disrobing and rest area</li><li>• decontamination techniques:<ul style="list-style-type: none"><li>• wet</li><li>• dry</li><li>• combination of wet and dry</li></ul></li><li>• emergency decontamination</li></ul>
<i>Documentation</i> may include:	<ul style="list-style-type: none"><li>• incident reports</li><li>• personnel records</li><li>• decontamination records</li></ul>

## Unit Sector(s)

Not applicable.