



**Australian Government**

**Department of Education, Employment and Workplace Relations**

# **PUADEFEO101C Work safely with explosive ordnance**

**Release: 1**

## **PUADEFEO101C Work safely with explosive ordnance**

### **Modification History**

### **Unit Descriptor**

This unit covers the competency required to achieve a safe work environment when working with explosive ordnance. **Explosive ordnance** being all munitions containing explosives, nuclear fission or fusion materials, and biological and chemical agents.

### **Application of the Unit**

The application of this unit in the workplace - the environments, complexities and situations involved - will be written during Phase II of the Review of the PUA00 Public Safety Training Package.

This text will be useful for the purposes of job descriptions, recruitment advice or job analysis; where possible, it will not be too job specific to allow other industries to import it into other Training Packages, where feasible.

### **Licensing/Regulatory Information**

### **Pre-Requisites**

Nil

### **Employability Skills Information**

The required outcomes described in this Unit of Competency contain applicable facets of Employability Skills. The Employability Skills Summary of the qualification in which this Unit of Competency is packaged, will assist in identifying Employability Skill requirements.

### **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 Required Skills and Knowledge and/or the Range Statement. Assessment of performance is to be consistent with the Evidence Guide.

## Elements and Performance Criteria

### Elements and Performance Criteria

Element	Performance Criteria
1 Access and apply safety procedures	<p>1.1 <b>Safety procedures and instructions are accessed and clarified</b></p> <p>1.2 <b>All work is conducted within the requirements of organisation permit-to-work and/or tag out procedures</b></p> <p>1.3 <b>Breaches in site safety are identified and acted on or reported in accordance with organisation reporting procedures</b></p>
2 <b>Apply personal safety measures</b>	<p>2.1 <b>Personal protective measures</b> are followed in accordance with organisation policy and procedures</p> <p>2.2 Safety, of immediate working area and equipment is established and maintained in accordance with organisation policy, procedures and directives</p> <p>2.3 Relevant authorisation is obtained before specialised and hazardous work is carried out in accordance with organisation procedures and directives</p>
3 <b>Apply emergency first aid</b>	<p>3.1 <b>Emergency first aid</b> is administered in accordance with organisation procedures</p> <p>3.2 Details of first aid administered are recorded and reported in accordance with organisation rules and procedures</p> <p>3.3 Individual responsibilities regarding <b>dangerous goods and hazardous substances</b> are recognised and applied</p>
4 <b>Apply dangerous goods and hazardous substances requirements</b>	<p>4.1 Individual responsibilities regarding dangerous goods and hazardous substances are recognised and applied</p> <p>4.2 Dangerous goods and hazardous substances labels and characteristics are identified, recognised and relevant action/criteria are applied</p>

- 4.3 Dangerous goods and hazardous substances are stored in accordance with the relevant compatibility, separation constraints and security requirements
  - 4.4 Dangerous goods and hazardous substances are handled and moved in accordance with legislative requirements and organisation procedures
- 5 **Apply net explosive quantity and compatibility**
  - 5.1 Documentation and licensing limitations are identified and/or acquired in accordance with organisation policy and procedures
  - 5.2 **Net explosive quantity** is calculated and applied in accordance with statutory requirements and organisation policy and procedures
  - 5.3 **Compatibility** is assessed and applied in accordance with statutory requirements and organisation policy and procedures
- 6 **Identify and report incidents**
  - 6.1 Organisation incident and injury statistics are identified and noted
  - 6.2 Incidents and injuries are recorded and reported in accordance with organisation procedures
  - 6.3 Participation in incident investigations is conducted in accordance with the responsibilities and protection under legislation

## Required Skills and Knowledge

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

### Required Skills

access, read, interpret and apply information on safety

apply area safety procedures

identify and report hazards and incidents

identify, select and use personal protection measures

apply emergency first aid

calculate net explosive quantity

assess compatibility

apply safe manual handling procedures

comply with hazardous materials requirements

follow instructions/directives and report information

encourage other team members

use a variety of verbal and non-verbal communication techniques

read to a level required to interpret job instructions, workplace forms and reports

write at the level required to complete workplace documentation and reports

### Required Knowledge

organisation safety policies and structures

organisation safety information sources

safety and advisory signs

hazard and incident identification and reporting techniques

calculation of net explosive quantity

assessment of compatibility

personal protection measures

emergency first aid

manual handling procedures

hazardous materials requirements

team work

techniques for supporting others

composition of teams and roles and responsibilities of team members

verbal and non-verbal communication techniques

written communication to a level required to complete workplace documentation and reports

## **Evidence Guide**

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

Assessment must confirm the ability to comply with organisation safety requirements and appropriate legislative and regulatory requirements

Assessment must also confirm the ability to work safely within an explosive ordnance environment and to:

identify, select and use personal protective measures

apply safe manual handling

administer emergency first aid

identify, handle and store hazardous materials

calculate and apply net explosive quantity

assess and apply compatibility

identify and report hazards and incidents

participate in incident investigations.

**Consistency in performance**

Competency should be demonstrated over time and observed in a range of actual or simulated explosive ordnance contexts

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

Competency should be assessed in the workplace or in a simulated work environment and in accordance with all relevant legislation and organisation requirements.

Evidence should be gathered through observation of the practical component and targeted questioning to assess underpinning knowledge.

**Specific resources for assessment**

Access to facilities and resources used in the storage, distribution or maintenance of explosive ordnance

**Guidance information for assessment**

Information that will assist or guide assessment will be written during Phase II of the Review of the PUA00 Public Safety Training Package.





## Range Statement

### RANGE STATEMENT

The Range Statement relates to the Unit of Competency as a whole. It allows for different work environments and situations that may affect performance. **Bold italicised** wording in the Performance Criteria is detailed below.

#### **Explosive ordnance include**

bombs and warheads  
 guided and ballistic missiles  
 artillery, mortar, rocket and small arms ammunition  
 all mines, torpedoes and depth charges  
 demolition charges  
 pyrotechnics  
 clusters and dispensers  
 cartridge and propellant actuated devices  
 electro-explosive devices  
 clandestine and improvised explosive devices  
 all similar or related items or components explosive in nature

#### **Safety procedures and instructions may include**

Material Safety Data Sheets (MSDS)  
 Australian Book of Reference 862  
 Book of Reference (British)  
 Organisation instructions  
 Depot Standing Instructions  
 Section Procedural Instructions (SPI)  
 Departmental Maintenance Procedure Instructions (DMPI)  
 Technical Instructions Armament Depots (TIAD)

#### **Organisation may include**

the Defence organisation  
 other government departments or instrumentalities that work with explosive ordnance  
 enterprises that work with explosive ordnance

<b>Personal protective measures may include</b>	hard hats anti-static straps overalls face shields hearing protection conductive shoes gas masks eye protection anti-static shoes anti-solvent creams safety boots safety joggers respiratory masks gloves
<b>Emergency first aid may be limited to</b>	Cardio-Pulmonary Resuscitation (CPR) bleeding control spinal injury awareness basic patient management
<b>Dangerous goods and hazardous substances may include</b>	explosive ordnance solvents beryllium tools paints adhesives acids otto fuel compressed gases contaminated waste
<b>Net explosive quantity may include</b>	the explosive capacity calculated in a wide range of activities related to the storage, distribution and maintenance of explosive ordnance
<b>Compatibility is</b>	assessed in a wide range of activities related to the storage, distribution and maintenance of explosive ordnance and other hazardous

**Reports may include**

materials

written

verbal

approved forms

**Unit Sector(s)**