



Australian Government

Department of Education, Employment and Workplace Relations

PUASAR003B Undertake technical rescue

Revision Number: 1

PUASAR003B Undertake technical rescue

Modification History

Not applicable.

Unit Descriptor

Unit Descriptor

This unit covers the competency to undertake technical rescue operations as a member of a team.

Application of the Unit

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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

Not applicable.

Pre-Requisites

Prerequisite Unit/s

PUASAR002B Undertake road accident rescue

Employability Skills Information

Employability Skills

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

Elements and Performance Criteria

ELEMENT

PERFORMANCE CRITERIA

1. Prepare for technical rescue

- 1.1 Equipment is checked and serviced to ensure it is ready for use
- 1.2 *Operation and task information* is obtained and analysed
- 1.3 *Rescue equipment* is selected based on incident information
- 1.4 *Personal protective equipment* is selected relevant to the nature of the rescue operation

2. Assess and manage technical rescue scene

- 2.1 Physical features of rescue scene are assessed before deploying rescue resources
- 2.2 Rescue scene is managed to control access and maintain a safe and effective operational environment
- 2.3 Communication with other personnel on site is established and maintained
- 2.4 Situational and environmental *hazards* are assessed, minimised and controlled
- 2.5 Specialist rescue resources are accessed based on the assessment of the incident

3. Manage casualties

- 3.1 Casualties are assessed and stabilised to minimise further injury or discomfort during rescue operations
- 3.2 Nature of injuries/entrapment is ascertained to develop an extrication plan
- 3.3 Support is provided to medical personnel assisting with the treatment of the entrapped person/s as required

4. Establish and maintain rescue scene safety

- 4.1 A safe working area is established and maintained to prevent injury to self and others
- 4.2 Hazards are monitored during the rescue operation to prevent injury to self or others
- 4.3 *Scene management procedures* are followed in accordance with team leader instructions and organisational procedures
- 4.4 The incident scene is prepared to facilitate the prompt and safe rescue of casualties

5. Carry out technical rescue operations

- 5.1 Liaise with primary response team and other relevant personnel
- 5.2 Additional technical equipment is employed to make incident scene safe

ELEMENT**PERFORMANCE CRITERIA**

	<p>5.3 Access plans are determined with consultation team leader, medical staff and other technical specialists</p> <p>5.4 Procedures are implemented to protect casualty/s from further injury or discomfort during access and removal</p> <p>5.5 An access path is provided for the removal of casualty/s using appropriate rescue techniques and equipment</p> <p>5.6 Casualty/s are rescued using appropriate techniques and equipment relevant to the incident/environment</p>
6. Terminate specialist rescue operations	<p>6.1 Incident scene is preserved for investigating officers</p> <p>6.2 Equipment is recovered, cleaned and serviced in accordance with manufacturer's guidelines and organisational standards prior to leaving the scene</p> <p>6.3 Signs and symptoms of operational stress in self and others are recognised and reported to appropriate personnel</p> <p>6.4 <i>Operational documentation</i> is completed to organisational standards</p>

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

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

Required Skills

- communicate
- decision making
- identify symptoms of physical/emotional stress
- problem solving
- use rescue equipment
- work in a multi-agency team environment

Required Knowledge

- basic principles of rescue
- emergency care
- knowledge of equipment available and its function
- manufacturer's operational guidelines
- organisational policies and procedures
- relevant legislation
- relevant OH&S principles and practices
- rescue equipment
- situational awareness
- symptoms of physical/emotional stress
- use of personal protective equipment

Evidence Guide

EVIDENCE GUIDE

EVIDENCE GUIDE

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

Ability to extricate casualty/s; minimising further injury or discomfort while conducting rescue operation

Consistency in performance

Evidence should be gathered over a period of time in a range of actual or simulated workplace environments

Context of and specific resources for assessment

Context of assessment

Evidence of competent performance should be obtained by observing an individual in a simulated rescue environment

Specific resources for assessment

Assessment may require resources to simulate a range of rescue incidents that may be encountered

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.

Operation and task information may include

location
type and number of casualties
type and magnitude of incident
environmental and other hazards
other agencies responding

Rescue equipment may include

air operated equipment
low pressure air bags
excavating equipment
mobile cranes
heavy lifting hydraulic tools
support vehicles
pneumatic hydraulic mechanical electrical tools
firefighting equipment
patient protection equipment
hot cutting equipment
beacons, signs
lighting equipment
other specialist equipment as required

Personal protective equipment may include

protective clothing
helmets
ear protection
eye protection
infection protection

Hazards may include

electricity
gas
water and sewerage utilities
hazardous materials/dangerous substances

RANGE STATEMENT

	<p>equipment power/drive systems</p> <p>vehicle fuel systems</p> <p>difficult terrain</p> <p>adverse weather</p> <p>mobile property</p> <p>convergence</p> <p>bio-hazards</p> <p>electrical and mechanical moving machinery</p> <p>dusts</p>
Scene management procedures may include	<p>control of bystanders and media</p> <p>cordoning and screening scene</p> <p>searches for missing occupants</p> <p>access and egress</p> <p>removal of hazards</p> <p>consider preserving evidence</p> <p>staging areas</p> <p>positioning of vehicles</p> <p>liaison with relevant technical personnel</p>
Technical rescue incidents may include	<p>heavy industrial equipment</p> <p>shipping containers</p> <p>industrial/construction incidents</p> <p>industrial machinery entrapments</p> <p>agricultural machinery</p> <p>elevators/escalators</p> <p>heavy plant and equipment</p> <p>tower cranes</p> <p>rail transport</p> <p>heavy transport vehicles</p>
Operational documentation may include	<p>personnel attending/hazard exposure report</p> <p>airs report</p> <p>incident field notes</p>

RANGE STATEMENT

incident report
post operational report

Unit Sector(s)

Not applicable.

Corequisite Unit/s

Co-requisite Unit/s	Nil
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