



**Australian Government**

# **Assessment Requirements for PUASAR030 Undertake trench rescue**

**Release: 1**

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## Modification History

**Release 1.** This is the first release of this unit of competency in the PUA Public Safety Training Package.

## Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements and performance criteria on at least one occasion and includes

- applying excavation techniques
- applying Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) requirements including identifying, controlling and treating situational and environmental hazards
- assessing and managing a trench rescue scene
- communicating with personnel and casualties
- completing organisational documentation
- concluding rescue operations
- constructing and installing shoring, shielding and edge management systems
- extricating casualties' safely whilst minimising further injury to casualty, self and others
- following organisational policies and procedures
- identifying and operating trench rescue equipment including lifting systems, lowering and hauling systems and ventilation equipment
- implementing hygiene precautions
- locating and entering a collapsed trench
- participating in and contributing to briefings and debriefings
- preparing for a trench rescue operation including collecting operational and task information and rescue resources
- preserving scene evidence
- recognising further signs of trench collapse
- recovering, cleaning and maintaining rescue equipment
- removing casualties using approved techniques
- stabilising the trench
- undertaking and monitoring rescue scene management
- undertaking temporary and permanent shoring
- using personal protective clothing and equipment

## Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements and performance criteria and includes knowledge of

- casualty location and removal techniques including edge management, shielding and excavating and temporary and permanent shoring
- characteristics and limitations of trench rescue equipment
- communication methods and techniques
- environmental and situational hazards including exposure to toxic, biological or other substance, falls from heights or into depths, further trench collapse, hazardous atmospheres, heat exhaustion or hypothermia, moving machinery either electrical or mechanical, tides, vibrations from external sources, water and weather
- excavation, shoring, shielding and edge management techniques
- field notes, incident reports, notebook and logbook requirements
- hygiene precautions
- organisational documentation, policies and procedures
- personal protective clothing and equipment
- preservation of scene evidence
- processes and procedures for briefings and debriefings
- recognised removal techniques including edge management, shielding and excavating, shoring and temporary and permanent shoring
- rescue scene management processes including establishing and monitoring safety zones, establishing barriers and perimeter access controls, liaising with medical services, managing bystanders and preserving evidence
- soil stability
- trench collapse system
- trench definition as specified in state or territory legislation, or regulations
- trench rescue equipment and excavation techniques
- trench rescue equipment including atmospheric monitoring, edge management systems, equipment, excavating equipment, hand tools, ladders, pumps, ropes, shielding, shoring and ventilation equipment
- Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) requirements including risk mitigation and safe work practices

## Assessment Conditions

As a minimum, assessors must satisfy applicable regulatory requirements, which include requirements in the Standards for Registered Training Organisations current at the time of assessment.

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Assessment must occur in workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in organisationally approved simulated

workplace operational situations that replicate workplace conditions.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment must include access to

- a range of relevant exercises, case studies and/or simulations
- relevant and appropriate materials, equipment, rescue tools and personal protective clothing and equipment currently used in industry
- applicable documentation including organisational procedures, industry standards, equipment specifications, regulations, codes of practice and operations manuals.

## **Links**

PUA Training Package Companion Volume Implementation Guide is found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=3eca5672-6d5a-410b-8942-810d0ba05bbf>