

PUASAR004A Undertake vertical rescue

UNIT This unit covers the competency to undertake vertical rescue operations as a member of a rescue team

DESCRIPTOR:

ELEMENT	PERFORMANCE CRITERIA
1. Prepare for and respond to vertical rescue	1.1 Operation and task information is obtained and analysed 1.2 Vertical rescue equipment is selected based on incident information and checked to ensure it is ready for use 1.3 Personal protective equipment for vertical rescue is selected 1.4 Scene reconnaissance is conducted and results are reported 1.5 Appropriate actions are taken to preserve incident scene
2. Assess scene	2.1 Physical and environmental features of scene are assessed before deploying rescue resources 2.2 Access is controlled and a safe and effective operational environment is maintained 2.3 Communication with other personnel on site is established and maintained 2.4 Location and condition of casualty is determined
3. Establish vertical rescue system	3.1 Rescue system is constructed according to the type of incident 3.2 Anchors are established and monitored 3.3 Equipment is prepared and techniques are used in accordance with manufacturer's guidelines and organisational procedures
4. Perform vertical rescue	4.1. Access is gained to casualties or trapped persons using organisationally approved techniques and equipment 4.2. Casualties or trapped persons are secured and prepared for removal in consultation with medical personnel 4.3. Casualties are removed using vertical rescue techniques and equipment whilst preventing further injury
5. Terminate vertical rescue operations	5.1 Equipment is recovered, cleaned and serviced in accordance with manufacturer's guidelines and organisational standards 5.2 Where identified, signs and symptoms of operational stress are recognised and reported

5.3 Operational debrief is conducted and documentation is completed to organisational standards

RANGE STATEMENT

Operation and task information may include

number and type of casualties
 location
 magnitude and type of incident
 access and egress routes
 weather conditions and forecasts
 potential hazards
 command, control and coordination arrangements
 other organisations

Systems may include

lowering
 hauling
 high line or tyrolean
 edge management

Vertical rescue equipment may include

Rescue rope to AS41423
 tapes
 slings
 pulleys
 edge protection
 karabiners
 ascending and descending devices
 anchors
 stretchers
 lighting and generator
 specialist communications equipment
 binoculars
 edge management devices

Physical and environmental features may include

ground stability
 anchor points
 clearances
 tides/waves/surf movements
 exposed or hazardous electrical conductors
 moving machinery
 greasy or oily surfaces

	<p>hot surfaces unstable structures exhaust or steam outlets air quality high winds cold rain swift water loud noises fuels and chemicals irrespirable atmospheres physical features such as slopes loose surfaces sheer face overhangs</p>
<p>Vertical rescue environments may include</p>	<p>cliffs towers structures trees mines and caves and shafts</p>
<p>Vertical rescue techniques will be determined by</p>	<p>the type of vertical rescue system adopted organisation's policy and procedures</p>
<p>Scene management may include</p>	<p>establishing barriers and perimeter access controls management of bystanders and media establishing and monitoring safety zones media liaison crime scene preservation</p>
<p>Operational documentation may include</p>	<p>organisational procedures and related legal requirements equipment running logs vehicle logs notes sketches</p>

EVIDENCE GUIDE

Critical aspects of evidence	It is essential for this unit that competence is demonstrated in establishment of safe systems to gain access to and recover casualties; extrication of casualty minimising further injury or discomfort while conducting rescue operation; and application of safe work practices
Interdependent assessment of units	Pre-requisite units: PUASAR001A Participate in rescue operations
Underpinning knowledge	<p>Co-requisite units: PUATEA002A Work autonomously</p> <p>relevant legislation emergency management and interagency arrangements organisation's procedures for operating vertical rescue equipment vertical rescue concepts and practices relevant OH&S principles and practices voice, whistle and other communication systems casualty assessment and packaging equipment characteristics braking strains safety factors and safe working loads operational briefing and debriefing procedures signs and symptoms of operational stress personal hygiene protocols reconnaissance techniques</p>
Underpinning skills	<p>work in a team use personal protective and rescue equipment within its safe work limitations disaster victim identification procedures working in a multi-service environment scene assessment and reporting wearing appropriate personal protective and rescue equipment correctly safe and effective scene management procedures establish, monitor and maintain safe anchor systems establish, maintain, monitor and use: abseil belay ascent descent and raising and lowering systems</p>

manage edge protection
 treat and package casualties
 escort stretchers in raising and lowering operations
 check, service and maintain vertical rescue equipment
 operate span line or tyrolean
 infection control

Resource requirements

Assessment of this competency requires access to an appropriate training/venue for vertical rescue activities; organisation's vertical rescue equipment and personnel for team-based activities

Consistency in performance:

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

Context of assessment:

Evidence to be collected in a range of simulated or actual vertical rescue environment

KEY COMPETENCY

Collect analyse and organise information	Communicate ideas and information	Plan and organise activities	Work with others and in teams	Use mathematical ideas and techniques	Solve problems	Use technology
2	2	2	2	2	2	2