



Industry High Angle Rescue

- PUASAR004A Undertake Vertical Rescue**
- PUASAR001A Participate in a Rescue Operation**
- PUATEA002A Work Autonomously**

Program Overview

This course covers the use of basic specialist skills, techniques and equipment required to locate, access, stabilise, extricate and evacuate persons and/or property from heights and/or depths using a rescue strop in situations involving injury/illness, entrapment, stranding and/or isolation. Either single-rope or twin-roping systems can be taught.

At the conclusion of the course, successful participants will be capable of safely using a cordage pack to affect a rescue from heights and depths. They will also be competent in the use of appropriate cordage and knots for firefighting and salvage work.

More advanced techniques (listed at end of this document under Advanced Modules) can be undertaken in a modular form. This normally extends the training by 1 to 2 days, dependent on the modules selected.

General

Cordage equipment and methods are essential for:

- raising and lowering equipment;
- stabilising or securing objects;
- rope rescue, including self rescue;
- rescues from heights, depths and trenches;
- hauling personnel or equipment across spaces;
- salvage operations.

Content

- Introduction
- Rope
 - Introduction
 - Natural fibres for rope construction

- Man-made fibres for rope construction
 - Yarn
 - Multifilament yarn
 - Other synthetic lines
- Rope construction
 - Introduction
 - Three-strand hawser laid rope
 - Plaited and braided rope
 - Kernmantle rope
 - Static or dynamic
- Australian Standard for life/rescue lines
 - Introduction
 - Construction
 - Safe working load
- Rope tests
 - Introduction
 - Fall test
 - Fall factor
 - Maximum breaking strength
 - Colour
 - Termination for lines
 - Recording of rescue lines
 - Inspection/defects
 - Inspection of lines
 - Causes of defects in lines
 - Washing instructions
 - General instructions
 - General instructions on the use of lines
 - Storage
- Tying and using knots
 - Strength reduction of knots
 - Requirements of knots
 - Terminology
 - Types of knots
 - Dressing and packing knots
- Anchors
 - Anchor categories
 - Anchor point
 - Load sharing
 - Sling load angles
- Constructing a mechanical advantage system
 - Safety
- Techniques
 - Types of rescues
 - Communication

Certification

This is accredited training. Successful participants will receive a nationally recognised Statement of Attainment.

The training incorporates the following units of competency of the Public Safety Training Package.

- Undertake Vertical Rescue PUASAR004A
- Participate in a Rescue Operation PUASAR001A
- Working Autonomously PUATEA002A

Duration

24 hours

Location

Training can be conducted for up to 12 participants. Training is able to be conducted at your venue if suitable.

Advanced Modules (Additional time requirement)

These advanced modules place considerable importance on practical application to enable the learner to utilise the equipment as well as to gain the confidence needed to carry out various rescues professionally.

- Hauling advantage systems
- Rescue from elevated position above staging point
- Tower climbs
- Ascending
- Mechanical ascenders
- Soft ascenders
- Tower climb
- Over hangs
- Packaging patient (Evac stretcher and stokes litter)



