

Twin rope access on towers

PUASAR022 Participate in a rescue operation;
PUATEA001 Work in a team; **PUATEA002** Work autonomously;
RIIRIS201E Conduct local risk control;
RIIRIS301E Apply risk management processes

Course aim

This course is designed to provide students with the necessary skills and knowledge to use twin rope work positioning techniques to perform a range of tasks in order to deal with a variety of possible emergency situations that may arise due to the vast varying workplaces that tower workers may face in everyday working environments.

Course objectives

By the end of the course, the student will be able to:

Demonstrate knowledge of:

- Identification and assessment of hazards
- Capabilities and limitations of rescue equipment
- Casualty handling techniques
- Environmental hazards
- Manual handling techniques
- Organisational policies and procedures
- Personal hygiene
- Procedures for reporting injuries and accidents
- Relevant legislative and regulatory requirements
- Ropes and knots
- Safety precautions
- Select harness, pre-use inspection, don and properly fit the harness
- Select fall protection equipment, pre-use checks and operation
- WHS Act & Regulations, Codes of Practice and Australian Standards
- Risk management
- Legal requirements and ramifications of team activities
- Safety precautions
- Non-operational and operational communication processes
- The four components of a fall protection system (anchor, body support, connecting)
- Specialty systems that combine components of a fall arrest system
- Duties of a height safety supervisor
- Rescue response and capability
- Record keeping
- Communication is maintained and clear throughout rescue exercises
- Archer systems checks
- Establish and monitor anchors

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Course prerequisite

The following courses are prerequisite for government departments, statutory authorities or organisations that have responsibility for the delivery of firefighting and fire management services.

- **HLTAID003** Provide first aid

In addition, 3M Australia recommends that all students hold a Nationally Recognised Statement of Attainment in RIIWHS204E Work safely at heights or equivalent unit.

Course assessment

Students will be assessed to determine their competency in these courses both theoretically and practically. The theory assessment consists of multiple choice and short answer questions.

The practical assessment will require students to demonstrate supervisory skills in selecting, using and maintaining height safety equipment and resolve various rescue scenarios.

Demonstrate skills in the following:

- Complete a Safe Work Method Statement (SWMS)
- Set up an exclusion zone
- Pre-use inspection of fall arrest equipment
- Select harness; properly fit the harness and perform buddy checks
- Correct rigging of anchorage straps
- Ascent and descent techniques
- Emergency self-rescue
- Ascent and descent thru a redirection
- Build mechanical advantage systems
- Reporting information
- Interpersonal skills
- Clean-up work area
- Build mechanical advantage systems
- Clean-up work area

On successful completion students will be issued with:

Statement of Attainment in PUASAR022 Participate in a rescue operation;
PUATEA001 Work in a team; PUATEA002 Work autonomously;
RIIRIS201E Conduct local risk control and
RIIRIS301E Apply risk management processes

Course duration

24 hours over 3 days (Initial)

12 hours over 1.5 days (Refresher)

(The times noted above includes a break.)

*Where delivered as a refresher,
the delivery time is reduced and
assessment time remains the same.*

Trainer ratio

8 students per 2 trainers

Course location

Courses are primarily
delivered at our facilities:

3M Australia,

93 Derby Street, Silverwater NSW

The Construction Training Centre,
460 Beaudesert Road, Salisbury QLD

However, courses can be delivered
at your worksite if required. In
this instance your employer will
confirm there are suitable facilities
on site to deliver the training.

