

Tower crane rescue and Evacuation

PUASAR022 Participate in a rescue operation

Course aim

This course is designed to provide students with the necessary skills and knowledge to perform rescue and evacuation techniques off tower cranes using pre-engineered rescue kits. Students are taught several rescue techniques with these kits in order to deal with a variety of possible emergency situations that may arise due to the vast varying workplaces that tower crane operators 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
- Select harness, pre-use inspection, don and properly fit the harness
- Ropes and knots
- Safety precautions
- Select fall protection equipment, pre-use checks and operation
- Select appropriate rescue equipment, pre-use checks and operation
- Rescue team roles are appropriately selected
- Communication is maintained and clear throughout rescue exercises
- Establish and monitor anchors
- Assess and monitor the casualty
- Archer systems checks
- Record keeping
- Securing of incident scenes to preserve evidence

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
- Correct restraint techniques
- Correctly use an industrial rescue kit
- Clean-up work area

On successful completion students will be issued with:

Statement of Attainment in PUASAR022 Participate in a rescue operation and a Certificate of Completion for Tower Crane Rescue and Evacuation.

Course prerequisite

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

- **HLTAID003** Provide first aid

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

Course assessment

Students will be assessed to determine their competency in this course both theoretically and practically.

The theory assessment consists of multiple choice and short answer questions.

The practical assessment will require students to participate in hazard identification discussion and the completion of a SWMS documentation; select, pre-use inspect, put on and correctly fit a full body harness; and perform bridge rescue techniques in order to retrieve a workmate who is suspended or injured on a bridge and needs assistance to get down to a safe area.

Course duration

8 hours over 1 day (Initial)

4 hours (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

6 students per trainer

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.

