

Title	Demonstrate knowledge of, and use, CDEM rescue equipment and techniques, and rescue casualties at height		
Level	4	Credits	4

Purpose	<p>This unit standard is intended for anyone involved in Civil Defence Emergency Management (CDEM) rescue functions at height.</p> <p>People credited with this unit standard are able to: demonstrate knowledge of rope and tape used in general rescue; demonstrate knots used in general rescue; use ladders to rescue casualties in the rescue environment; and use lowering techniques in the rescue environment.</p>
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Classification	Civil Defence > Civil Defence Operation
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Available grade	Achieved
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Entry information	
Critical health and safety prerequisites	Current first aid certificate, and unit standard 20473, <i>Rescue casualties at ground level using Civil Defence general rescue techniques</i> , or demonstrate equivalent knowledge and skills.

Explanatory notes

- 1 Definitions
Civil Defence Emergency Management (CDEM) means the application of knowledge, measures, and practices that are necessary or desirable for the safety of the public or property; are designed to guard against, prevent, reduce, or overcome any hazard or harm or loss that may be associated with any emergency; and includes, without limitation, the planning, organisation, coordination, and implementation of those measures, knowledge, and practices.
- 2 As a guide, *general rescue techniques at height* are to be carried out between 2 and 6 metres of height.
- 3 The primary reference for this unit standard is the latest version of the *MCDEM General Rescue Manual* available from the Ministry of Civil Defence and Emergency Management website <http://www.usar.govt.nz>, training resources section.
- 4 Assessment against this unit standard may be conducted in a simulated emergency.

- 5 Performance of the outcomes in this unit standard must comply with the Civil Defence Emergency Management Act 2002, Fire Service Act 1975, and the Health and Safety in Employment Act 1992.

Outcomes and evidence requirements

Outcome 1

Demonstrate knowledge of rope and tape used in general rescue.

Evidence requirements

- 1.1 Characteristics of rope are described in relation to application in a rescue environment in accordance with the primary reference.
- Range construction type and materials, static and dynamic, manufacturer's breaking strength, safe working load, standards, diameter.
- 1.2 Characteristics of tape are described in relation to application in a rescue in accordance with the primary reference.
- Range construction type and materials, manufacturer's breaking strength, safe working load, standards, width.
- 1.3 Care and maintenance of rope and tape used in rescue are demonstrated in accordance with the primary reference.
- Range checking before, during and after use; rope logs; cleaning and drying; storing.

Outcome 2

Demonstrate knots used in general rescue.

Range double figure of eight on a bight (anchor or industrial 8), alpine butterfly, double fisherman's bend, clove hitch, friction hitch (munter or Italian hitch), tape knot.

Evidence requirements

- 2.1 The application of specified knots is identified in accordance with the primary reference.
- 2.2 Specified knots are tied and dressed correctly in accordance with the primary reference.

Outcome 3

Use ladders to rescue casualties in the rescue environment.

Range must include but is not limited to extension ladders.

Evidence requirements

- 3.1 Ladders are inspected before and after use in accordance with the primary reference.
- 3.2 Techniques for moving, erecting, securing and lowering a ladder are demonstrated in accordance with the primary reference.
- 3.3 Techniques for climbing a ladder are demonstrated in accordance with the primary reference.
- 3.4 Casualties' condition is evaluated before being removed from an unsafe environment using ladders in accordance with the primary reference.

Range any role in a ladder slide rescue, any role in a ladder hinge rescue, assisting a casualty down a ladder.

Outcome 4

Use lowering techniques in the rescue environment.

Evidence requirements

- 4.1 Casualties are lowered from heights using stretcher-based techniques in accordance with the primary reference.
Range single point, two point, and four point lowers.
- 4.2 Casualties are lowered using non-stretcher based techniques in accordance with the primary reference.
Range Verticle Lift Knot.
- 4.3 Casualties are lowered without risk of injury to the rescuers and the casualty in accordance with the primary reference.

Replacement information	This unit standard replaced unit standard 7318.
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Planned review date	31 August 2014
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	23 April 2008	N/A
Rollover and Revision	2	18 July 2013	N/A

Consent and Moderation Requirements (CMR) reference	0223
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Please note

Providers must be granted consent to assess against standards (accredited) by NZQA, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be granted consent to assess against standards by NZQA before they can register credits from assessment against unit standards.

Providers and Industry Training Organisations, which have been granted consent and which are assessing against unit standards must engage with the moderation system that applies to those standards.

Requirements for consent to assess and an outline of the moderation system that applies to this standard are outlined in the Consent and Moderation Requirements (CMR). The CMR also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

Comments on this unit standard

Please contact the Fire and Rescue Services Industry Training Organisation (EmQual) info@emqual.org.nz if you wish to suggest changes to the content of this unit standard.