

Title	Develop a rescue plan for recovery of a suspended individual after a fall		
Level	4	Credits	5

Purpose	<p>People credited with this unit standard are able to:</p> <ul style="list-style-type: none"> – evaluate retrieval possibilities for recovery of a suspended individual after a fall in a particular work context and determine retrieval strategies; – prepare a rescue plan to recover an individual suspended in a safety harness after a fall; and – review a rescue plan to recover an individual suspended in a safety harness after a fall.
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Classification	Lifting Equipment > Industrial Rope Access
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Available grade	Achieved
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Critical health and safety prerequisites	Unit standard 23229, <i>Use safety harness systems when working at height</i> , or demonstrate equivalent knowledge and skills.
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Explanatory notes

This unit standard has been developed for learning and assessment on-job or off-job in a simulated environment.

- 2 All tasks must be carried out in accordance with the Best Practice Guide (BPG) based on:
 - a quality management systems;
 - b designer’s requirements and manufacturers' operating instructions; and government and local government legislation, regulations, bylaws, Health and Safety in Employment Act 1992, and Health and Safety in Employment Regulations 1995;
 - c the most up to date version of the: <http://www.business.govt.nz/worksafe/information-guidance/all-guidance-items/scaffolding-best-practice-guideline-for-scaffolding-in-new-zealand>, and all subsequent amendments and replacements;
 - d AS/NZS 1891.1 *Industrial fall-arrest systems and devices - Harnesses and ancillary equipment*;
 AS/NZS 1891.2 *Industrial fall-arrest systems and devices - Horizontal lifeline and rail systems*;
 AS/NZS 1891.3 *Industrial fall-arrest systems and devices - Fall arrest devices*;
 AS/NZS 1891.4;

Industrial fall-arrest systems and devices - Selection, use and maintenance; New Zealand Standards are available from <http://www.standards.co.nz>.

3 Definitions

Company requirements: include the policy, procedures, and methodologies of the company. They include legislative and regulatory requirements which may apply across the company or to a specific site. Requirements are documented in the company's health and safety plans, contract work programmes, quality assurance programmes, policies, and procedural documents;

Rescue plan: a realistic strategy to deal with a fall arrest incident that ensures the rapid recovery of a suspended person before suspension trauma occurs. For the purposes of this unit standard it is intended that the plan developed will achieve the recovery of a suspended individual in order to minimise suspension trauma;

Suspension trauma: a life threatening condition brought on by restricted blood circulation, and can become critical after a few minutes of suspension.

- 4 This unit standard is intended primarily for use in established operating and maintenance environments in industry and is designed to be most applicable to those involved in organising and working in rescue teams responsible for the retrieval of individuals suspended in a safety harness after a fall.
- 5 The intention of this unit standard is to consider and prepare for worst-case scenarios in managing risks of falls. Prevention strategies should always be the priority, but accidents and recovery planned for nevertheless.
- 6 This unit standard is intended for supervisory and management personnel who have responsibility for others working at height and a good knowledge of the particular working environment and workplace procedures and circumstances.
- 7 It is intended that the rescue plan developed will be specific to a particular task or activity within an industry setting and targeted to a specific operational environment.
- 8 **Assessment**
This unit standard requires a rescue plan to be 'tested'. This may be done by use of drills, scenarios, mock-ups or other appropriate active means. However, personal safety of everyone involved must remain paramount. If safety requirements are not met the assessment must stop and the candidate will be assessed as not yet competent.

Outcomes and evidence requirements

Outcome 1

Evaluate retrieval possibilities for recovery of a suspended individual after a fall in a particular work context and determine retrieval strategies.

Evidence requirements

- 1.1 Evaluate retrieval possibilities from above.

Range includes but is not limited to – work environment, availability of equipment, probable deployment time of rescue strategies, skill level and risk exposure of those designated to perform a rescue.

1.2 Evaluate retrieval possibilities from below.

Range includes but is not limited to – work environment, availability of equipment, probable deployment time of rescue strategies, skill level and risk exposure of those designated to perform a rescue.

1.3 Evaluate the availability of medical help.

Range includes but is not limited to – proximity of first aid supplies, medical training of those designated to perform a rescue, ability of medical help to apply trauma recovery strategies, availability and contact details of back-up medical help.

1.4 Determine retrieval strategies in accordance with company requirements.

Outcome 2

Prepare a rescue plan to recover an individual suspended in a safety harness after a fall.

Evidence requirements

2.1 Write the plan.

Range includes but is not limited to – retrieval strategies, roles and responsibilities of those involved, expectations of activity timing, specific locations, procedures for ensuring the safety of the rescuer, procedural checks.

2.2 Confirm the plans approval.

2.3 Determine resource requirements for the fall recovery rescue plan.

Range includes but is not limited to – certification and/or training needs of those undertaking the rescue, availability and compliance status of specialist rescue equipment, availability of those designated to achieve a timely rescue.

2.4 Communicate the plan.

Range includes is but not limited to – those working to the rescue plan, those designated to offer medical assistance.

2.5 Retain documentation for confirmation and audit purposes

Outcome 3

Review a rescue plan to recover an individual suspended in a safety harness after a fall.

Evidence requirements

- 3.1 Audit the rescue plan compliance with changing workplace conditions and relevant documents.
- Range documents may include but are not limited to – site safety plan, fall-arrest equipment logs, manufacturer’s instructions, workplace procedures.
- 3.2 Test the rescue plan.
- 3.3 Identify, record and adjust deficiencies in the plan.

Planned review date	31 December 2019
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	25 July 2007	31 December 2016
Review	2	22 May 2009	31 December 2016
Review	3	20 May 2011	31 December 2016
Review	4	16 July 2015	N/A

Consent and Moderation Requirements (CMR) reference	0003
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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 (CMRs). 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 Skills Organisation at reviewcomments@skills.org.nz if you wish to suggest changes to the content of this unit standard.