

<b>Title</b>	<b>Develop a safety plan to manage risks when individuals are working at height and fall prevention strategies are required</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>5</b>

<b>Purpose</b>	<p>People credited with this unit standard are able to:</p> <ul style="list-style-type: none"> <li>– assess the risks when work is to be undertaken at height and there is a fall potential;</li> <li>– prepare a safety plan to manage risk when fall prevention strategies are required; and</li> <li>– review a safety plan to manage risk when fall prevention strategies are required.</li> </ul>
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<b>Classification</b>	Lifting Equipment > Industrial Rope Access
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<b>Available grade</b>	Achieved
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<b>Critical health and safety prerequisites</b>	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

- 1 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 New Zealand Standards
  - c the most up to date version of the: <http://www.business.govt.nz/worksafe/information-guidance/pdf-documents-library/industrial-rope-access-guidelines.pdf>, 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

*Pre-engineered: anchor point* purpose-designed and installed as a safe attachment point for safety harness systems;

*Static line system:* a temporary or permanently mounted line fitted above and parallel to an unprotected edge;

*Working at height:* work carried out where falls may occur.

*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.

5 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 who plan tasks and operations where fall hazards exist.

6 This unit standard is intended to encourage hazard management and the prevention of safety incidents. As far as possible, assessment should focus on planning for the prevention of falls.

7 This unit standard is intended for supervisory personnel who have good knowledge of the working environment and operational circumstances and who have responsibility for the work of others where potential for a fall exists.

8 It is intended that the safety plan developed will be specific to a particular task or activity within an industry setting and will produce a 'best fit' solution to both control fall hazards and effectively complete the required operation.

### 9 Assessment

Those undertaking assessment against this unit standard should note that work in the scaffolding, plumbing, gasfitting, cargo handling, demolition, glazing, boating, mechanical services, engineering and building and construction industries often takes place at height, and therefore requires a relevant level of physical fitness and ability to work at heights.

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## Outcomes and evidence requirements

### Outcome 1

Assess the risks when work is to be undertaken at height and there is a fall potential.

### Evidence requirements

1.1 Evaluate risk exposure.

Range includes but is not limited to – the duration and frequency of exposure, height of potential fall, complexity of tasks, urgency of work, working conditions.

1.2 Reference planning documentation and installation drawings and consult with relevant staff and contractors.

**1.3 Identify fall hazards.**

**Range** includes but is not limited to – the proximity to an unprotected edge, the extent of a potential fall, the potential impact on others similarly exposed, the potential of objects to fall, the potential for harm at lower levels.

**1.4 Apply safety control measures.**

**Range** may include but is not limited to – elimination of non-essential height work; isolation of risks; use of elevated work platforms, scaffolding, travel restraint mechanisms and safety equipment; physical barriers at work locations and at lower levels; designation of optimum anchor points and static line systems.

**Outcome 2**

Prepare a safety plan to manage risk when fall prevention strategies are required.

**Evidence requirements****2.1 Write the plan.**

**Range** includes but is not limited to – roles and responsibilities of those involved, activity timing, expectations, specific locations, procedural checks.

**2.2 Approve the plan in accordance with company requirements.****2.3 Determine resource requirements for the fall prevention safety plan.**

**Range** includes but is not limited to – certification and/or training needs of those undertaking the work; availability, placement and compliance status of safety equipment to be used including pre-engineered anchor points, static line systems and personal protection equipment; structural engineering or other approvals according to workplace procedures and guidelines; availability and location of those designated, to achieve a timely rescue.

**2.4 Communicate the plan.**

**Range** includes but is not limited to – those working to the plan, those designated to deploy potential rescue strategies.

**Outcome 3**

Review a safety plan to manage risk when fall prevention strategies are required.

## Evidence requirements

3.1 Audit the safety plan for 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 Identify, record and adjust deficiencies in the plan.

<b>Planned review date</b>	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

<b>Consent and Moderation Requirements (CMR) reference</b>	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](mailto:reviewcomments@skills.org.nz) if you wish to suggest changes to the content of this unit standard.