

41211 Plan, prepare, erect, operate, and dismantle proprietary winches on scaffolding

Kaupae Level	4
Whiwhinga Credit	6
Whāinga Purpose	This skill standard is for people intending to complete qualifications and credentials in the scaffolding trades. People with this skill standard have the skills to plan, prepare, assemble, erect, operate and dismantle a winch on scaffolding and check the structure for compliance. This skill standard aligns with the New Zealand Certificate in Scaffolding (Intermediate) (Level 4) [Ref: 5660].
Whakaakoranga me mātua oti Pre-requisites	New Zealand Certificate in Scaffolding (Elementary) (Level 4) [Ref: 5659] or demonstrate equivalent knowledge and skills.

Hua o te ako me Paearu aromatawai | Learning outcomes and assessment criteria

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
1. Plan and prepare for the erection of a winch on scaffolding.	a. The winch scaffold plan is sketched to meet the confirmed client or supervisor requirements and the Good Practice Guidelines for Scaffolding in NZ.
	b. The types of winches that may be erected by a scaffolder are identified in accordance with the scaffold plan and the Good Practice Guidelines for Scaffolding in NZ.
	c. The winch is checked if it is free of faults and has a current inspection tag in accordance with the Good Practice Guidelines for Scaffolding in NZ.
	d. The power leads, RCDs or transformers are checked if they are free of faults and have a current inspection tag in accordance with the the Good Practice Guidelines for Scaffolding in NZ.
	e. The power supply is checked if it is adequate for the winch in accordance with manufacturer's specifications.

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
2. Assemble and erect a winch on scaffolding.	a. The ties, bracing and any additional scaffolding are erected in accordance with the scaffold plan and the Good Practice Guidelines for Scaffolding in NZ.
	b. The stability of the scaffold prior to the assembly and attachment of the winch is confirmed in accordance with the scaffold plan and the Good Practice Guidelines for Scaffolding in NZ.
	c. The winch and the associated equipment including safety equipment are secured to the scaffold in accordance with the scaffold plan and the Good Practice Guidelines for Scaffolding in NZ.
3. Operate and dismantle a winch on scaffolding.	a. The stability of the winch and associated components are checked and confirmed in accordance with the scaffold plan and the Good Practice Guidelines for Scaffolding in NZ.
	b. The structure is checked for compliance with the scaffold plan and an inspection report is completed in accordance with the Good Practice Guidelines for Scaffolding in NZ.
	c. Users are inducted in the hazards, safe operating procedures and safety features associated with using the winch in accordance with the scaffold plan and the Good Practice Guidelines for Scaffolding in NZ.
	d. Site specific safe operating procedures are planned and implemented in accordance with the scaffold plan and the Good Practice Guidelines for Scaffolding in NZ.
	e. The winch is operated in accordance with the scaffold plan and the Good Practice Guidelines for Scaffolding in NZ.
	f. The winch and the associated scaffolding are dismantled in sequence in accordance with the Good Practice Guidelines for Scaffolding in NZ and worksite requirements.

Pārongo aromatawai me te taumata paearu | Assessment information and grade criteria***Assessment specifications:***

The candidate must be capable of planning, preparing, assembling, erecting, operating and dismantling a winch on scaffolding to the standards expected of a commercially competent scaffolder.

This skill standard has been developed for learning and assessment on-job, or off-job in a simulated environment. Where supervision is required by law, the supervisor must hold the appropriate Certificate of Competence for the scaffolding work undertaken.

This skill standard covers loads lifted with proprietary winches attached to scaffolding. This skill standard is to be assessed using proprietary winches designed for safe working loads of less than 250 kilograms. The loads are to be of weights not exceeding 250 kilograms and to heights within ranges specified by manufacturer instructions. Loads beyond these specifications are notifiable and are conducted by qualified riggers from scaffold strengthened to the design requirements of a Chartered Professional Engineer.

This skill standard does not cover cantilevered platforms or hoists and specifically excludes the lifting of people. However, winches with cantilevered arms may be used.

Evidence is required for one proprietary winch, and the structures and components associated with it.

Assessment should not include scaffolding requiring a Chartered Professional Engineer to certify the adequacy of the design prior to the erection of the scaffold.

Candidates may carry out practical scaffolding activities as part of a team. However, assessment must confirm that each candidate has independently demonstrated competence in all aspects of the required assessment criteria. Evidence must confirm that the candidate has actively and independently applied the relevant skills, knowledge, and safety behaviors across the full scope of the standard, including compliance with regulatory and site-specific requirements.

Commercial competence requires a candidate to be capable of consistently performing the requirements:

- to current regulatory, industry and commercial standards
- within a commercially viable timeframe
- in commercial environments
- with limited supervision
- in different and unfamiliar contexts.

Definitions

Client is an individual or representative of a company who commissions a particular scaffold or scaffolding structure to be erected or is an end user of the scaffold or scaffolding structure.

Good Practice Guidelines for Scaffolding in NZ contain specific requirements for scaffolds. For proprietary scaffolds the guidelines require use of manufacturer's specifications.

Scaffolding is as defined in the latest versions of the Good Practice Guidelines for Scaffolding in NZ and the Health and Safety in Employment Regulations 1995.

Scaffold plan refers to a key design document used as a basis for the installation and use of a winch attached to a scaffold. For this skill standard, the scaffold plan must be prepared by the candidate.

Winches refer to proprietary devices installed on scaffolding to vertically move equipment and materials using a hoist and flexible cable.

Ngā momo whiwhinga | Grades available

Achieved

Ihirangi waitohu | Indicative content

Technical skills and knowledge

- Interpreting project instructions on agreed work to be carried out.
- Quality management systems.
- Regulatory, industry, Good Practice Guidelines for Scaffolding in NZ and manufacturer operating instructions.
- Scaffold plan – the weight and nature of the load to be carried, start and end points of lift, placement on the scaffold, clearway, ties and bracing including tie points to a supporting structure.
- The erection requirements of the winch on scaffolding – fulcrum point, transverse bracing, or splicing of standard(s) and additional scaffolding such as platforms to support lifting operations and control functions and scaffolding to provide protection and access.
- Electrical winches – a transformer or other Residual Current Device (RCD).
- The stability of the winch and associated components – security of additional scaffolding and ties and attachment of the winch to the scaffold.
- Dismantling – all components removed progressively.
- Methods to maintain clean and tidy sites.
- Safe loading and unloading of tools, equipment, and product.
- Manufacturer's product data specifications.
- Induction of winch users.

Communication, literacy and numeracy

- Relevant documentation.
- Workplace communication.
- Interpersonal skills.
- Measurement and calculation.

Rauemi | Resources

Legislation available at <http://legislation.govt.nz>

- Health and Safety at Work Act 2015;
- The Good Practice Guidelines - Scaffolding in New Zealand (GPG), 2016 available from <https://www.worksafe.govt.nz/topic-and-industry/working-at-height/scaffolding-in-new-zealand/>; and all subsequent amendments and replacements.

Pārongo Whakaū Kouna | Quality assurance information

Ngā rōpū whakatau-paerewa Standard Setting Body	Construction and Specialist Trades Industry Skills Board
Whakaritenga Rārangi Paetae Aromatawai DASS classification	Service Sector > Lifting Equipment > Intermediate Scaffolding
Ko te tohutoro ki ngā Whakaritenga i te Whakamanatanga me te Whakaōritenga CMR	0120

Hātepe Process	Putanga Version	Rā whakaputa Review Date	Rā whakamutunga mō te aromatawai Last date for assessment
Rēhitatanga Registration	1	30 July 2026	N/A
Kōrero whakakapinga Replacement information	This skill standard replaced unit standard 23719.		
Rā arotake Planned review date	31 December 2031		

Please contact the Construction and Specialist Trades Industry Skills Board at info@cstisb.nz if you wish to suggest changes to the content of this skill standard.