

41198 Use tube and coupler systems in standing proprietary scaffolds

Kaupae Level	4
Whiwhinga Credit	10
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 use tube and coupler to create ties, rakers, guardrails and midrails, link towers and provide additional bracing in standing proprietary scaffolds. This skill standard aligns with the New Zealand Certificate in Scaffolding (Elementary) (Level 4) [Ref: 5659].

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

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
1. Use tube and coupler to create ties in standing proprietary scaffolds and identify engineering requirements.	a. The type of tie that best suits each standing scaffold is selected in accordance with the Good Practice Guidelines for Scaffolding in NZ.
	b. Expected loads are calculated in accordance with the Good Practice Guidelines for Scaffolding in NZ.
	c. Fittings and equipment are used in accordance with the Good Practice Guidelines for Scaffolding in NZ.
	d. Situations that may require an engineer's certificate when tying a structure including the design, load capacity, and stability of scaffold ties are identified in accordance with Good Practice Guidelines for Scaffolding in NZ and manufacturer operating instructions.

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
2. Use tube and coupler to create rakers in standing proprietary scaffolds.	a. The additional base dimension required for scaffold stability is calculated in accordance with Good Practice Guidelines for Scaffolding in NZ and manufacturer operating instructions.
	b. The correct type of fittings is identified and used in accordance with Good Practice Guidelines for Scaffolding in NZ and manufacturer operating instructions.
	c. The correct application for check fittings is used in accordance with Good Practice Guidelines for Scaffolding in NZ and manufacturer operating instructions.
	d. The ground condition is assessed in relation to any packing required beneath the raker in accordance with Good Practice Guidelines for Scaffolding in NZ and manufacturer operating instructions.
	e. Rakers are braced in accordance with Good Practice Guidelines for Scaffolding in NZ and manufacturer operating instructions.
3. Use tube and coupler to create guardrails and midrails in standing proprietary scaffolds.	a. Correct height of guardrails and midrails are identified in accordance with Good Practice Guidelines for Scaffolding in NZ and manufacturer operating instructions.
	b. Correct type of fittings is used in accordance with Good Practice Guidelines for Scaffolding in NZ and manufacturer operating instructions.
	c. Platforms are provided with tube and coupler edge protection in accordance with Good Practice Guidelines for Scaffolding in NZ and manufacturer operating instructions.
4. Use tube and coupler to link towers in standing proprietary scaffolds.	a. Load bearing fittings are used to connect structural elements linking towers in accordance with Good Practice Guidelines for Scaffolding in NZ and manufacturer operating instructions.
	b. Towers are linked with ledgers and putlogs to ensure timber planks do not span over 1.4m in accordance with Good Practice Guidelines for Scaffolding in NZ and manufacturer operating instructions.

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
5. Use tube and coupler to provide additional bracing in standing proprietary scaffolds.	a. All additional bracing is erected in accordance with Good Practice Guidelines for Scaffolding in NZ and manufacturer operating instructions.
	b. Stability of the scaffold is confirmed in accordance with Good Practice Guidelines for Scaffolding in NZ and manufacturer operating instructions.

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

Assessment specifications:

The candidate must be capable of using tube and coupler to create ties, rakers, guardrails and midrails, link towers and provide additional bracing in standing proprietary scaffolds.

This skill standard has been developed for learning and assessment either 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.

Those undertaking assessment against this skill standard should note that work in the scaffolding industry usually takes place at heights well above ground level and therefore requires a relevant level of physical fitness and ability to work at heights.

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 behaviours 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:

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 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 erection of a particular scaffold. For this skill standard it is not required to be prepared by the candidate.

Ngā momo whiwhinga | Grades available**Ihirangi waitohu** | Indicative content

Technical skills and knowledge

- Interpreting project instructions on agreed work to be carried out.
- Quality management systems.
- Regulatory, industry and Good Practice Guidelines for Scaffolding in NZ and manufacturer operating instructions.
- Types of standing proprietary scaffolds.
- Methods to maintain clean and tidy sites.
- Safe loading and unloading of tools and equipment.
- Manufacturer's product data specifications.

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 Kounga | 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 > Elementary 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
Rēhītatanga Registration	1	30 July 2026	N/A
Kōrero whakakapinga Replacement information	This skill standard replaced unit standard 19623.		
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.