

41212**Plan, prepare, erect, operate, and dismantle mast climbers**

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, erect, operate and dismantle a mast climber 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 mast climber.	a. The mast climber scaffold plan is sketched to meet the confirmed client or supervisor requirements and the Good Practice Guidelines for Scaffolding in NZ.
	b. The mast climber is checked if it is free of faults and has a current inspection tag in accordance with the scaffold plan and the Good Practice Guidelines for Scaffolding in NZ.
	c. The power leads, RCDs or transformers are checked if they are free of faults and have a current inspection tag in accordance with the scaffold plan and the Good Practice Guidelines for Scaffolding in NZ.
	d. The power supply is checked if it is adequate for the mast climber in accordance with the manufacturer's specifications.

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
2. Erect and inspect a mast climber.	a. The base is secured and confirmed as square and level in accordance with the scaffold plan and the Good Practice Guidelines for Scaffolding in NZ.
	b. The mast sections are added and levelled progressively in accordance with the scaffold plan and the Good Practice Guidelines for Scaffolding in NZ.
	c. The mast sections are tied progressively to a supporting structure in accordance with the scaffold plan and the Good Practice Guidelines for Scaffolding in NZ.
	d. An inspection report is completed to check the structure is compliant with the scaffold plan and in accordance with the Good Practice Guidelines for Scaffolding in NZ.
3. Operate and dismantle a mast climber.	a. The mast climber is operated in accordance with the scaffold plan and Good Practice Guidelines for Scaffolding in NZ.
	b. Users are inducted in hazards, safety features and safe operating procedures associated with using the mast climber in accordance with the Good Practice Guidelines for Scaffolding in NZ.
	c. The mast climber is 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, erecting, operating and dismantling mast climbers 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.

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.

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.

Evidence is required for one mast climber, and the structures and components associated with it.

This skill standard does not include personnel hoist or mast climbers on multiple masts.

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

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.

Mast climbers are defined as mast climbing goods lifts used for temporary purposes. A mast climber mechanically raises and lowers itself on a single mast, providing a small platform by which to move materials.

Scaffold plan refers to a key design document used as a basis for the erection of a particular scaffold. For this skill standard, the scaffold plan is not required to be prepared by the candidate.

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.

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 load to be carried or supported, operating height(s), mast security, off set distance, tie points to a supporting structure, accuracy of measurements to ensure square and level and consistency with manufacturer's specifications.

- Erection requirements – the load to be carried or supported, operating height(s), offset distance, tie points to a supporting structure, ground conditions and engineering requirements.
- Installation practice of mast climber assemblies involves multiple scenarios of one connected to a scaffold and one connected to either a scaffold or directly to a supporting structure.
- 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 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 BoardWaihanga
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
Rēhītatanga Registration	1	30 July 2026	N/A
Kōrero whakakapinga Replacement information	This skill standard replaced unit standard 23720.		
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.