

41208**Plan, prepare, erect, and dismantle vessel scaffolding**

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 plan, prepare, erect and dismantle vessel 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 vessel scaffolding.	a. The vessel scaffold plan is sketched to meet the confirmed client or supervisor requirements, manufacturer's instructions and the Good Practice Guidelines for Scaffolding in NZ.
	b. The necessary equipment is identified and sourced in accordance with the scaffold plan, manufacturer's instructions and the Good Practice Guidelines for Scaffolding in NZ.
2. Erect vessel scaffolding.	a. The scaffolding is based out in accordance with the scaffold plan, manufacturer's instructions and the Good Practice Guidelines for Scaffolding in NZ.
	b. The lifts are erected in accordance with the scaffold plan, manufacturer's instructions and the Good Practice Guidelines for Scaffolding in NZ.
	c. The scaffolding is braced and planked in accordance with the scaffold plan, manufacturer's instructions and the Good Practice Guidelines for Scaffolding in NZ.

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
3. Install link bays for vessel scaffolding.	a. The lap planks are installed and lashed in accordance with the scaffold plan and the Good Practice Guidelines for Scaffolding in NZ.
	b. The guardrails, mid-rails and kickboards are erected in accordance with the scaffold plan and the Good Practice Guidelines for Scaffolding in NZ.
4. Inspect, alter and dismantle vessel scaffolding.	a. The structure is checked for compliance in accordance with the scaffold plan, manufacturer's instructions and the Good Practice Guidelines for Scaffolding in NZ.
	b. Alteration involving the removal of a structural member is performed in accordance with manufacturer's instructions and the Good Practice Guidelines for Scaffolding in NZ and industry standards.
	c. The altered scaffold is inspected and verified for compliance in accordance with the manufacturer's instructions, Good Practice Guidelines for Scaffolding in NZ and industry standards.
	d. The scaffold is dismantled in sequence in accordance with the manufacturer's instructions, 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 and dismantling vessel scaffolding to the standards expected of a commercially competent scaffolder.

Vessel scaffolding includes

1. bay/lap scaffolding, and
2. rectangular vessel scaffolding.

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.

Evidence is required using multi-bay structures for at least one each of bay/lap scaffolding and rectangular scaffolding. For the construction of bay/lap scaffolding, assessment may be for scaffolding constructed either inside or outside a vessel.

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:

Bay/lap scaffolding refer to the construction of independent scaffold bays linked by lapping planks or boards (called 'lap bays') to encompass the entire internal or external face of the vessel.

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.

Rectangular vessel scaffolding refers to the construction of a square or rectangular scaffold to surround the exterior of a vessel and is planked across at the corners to provide access to the vessel.

Rectangular vessel scaffolding may only be used when the diameter of the vessel is less than the greatest possible scaffold bay length able to be used and can only be constructed on the outside of the vessel.

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 is a key design document prepared by the candidate and used as a basis for the erection of a particular scaffold. For this skill standard, it must be prepared by the candidate.

A *tank* is a specific type of vessel and for the purposes of this skill standard is included in the term vessel. *Vessel* is a three-dimensional structure containing curves and often irregular in shape.

Vessel scaffolding refers to scaffolding that encompasses the entire face of a vessel.

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 - vessel diameter, offset conditions, ground conditions and type of scaffolding to be employed.
- Scaffold plan sketches - number of bays, spacing between bays, bracing, guardrails and planking.
- Vessel scaffolding requirements - vessel diameter, offset distance and type of vessel scaffolding to be employed.
- Splay scaffolding refers to the construction of abutting trapezoid shaped scaffold to encompass the entire internal or external face of the vessel. By its nature splay scaffolding must be constructed with tube and fitting scaffolding.
- Dismantling - all components removed progressively.
- Methods to maintain clean and tidy sites.
- Safe loading and unloading of tools, equipment, and product.

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 > 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 23716.		
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.