

41216**Handle, load, and unload scaffolding equipment on a heavy goods vehicle**

Kaupae Level	3
Whiwhinga Credit	5
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 prepare load plans, load and unload scaffolding equipment on a heavy goods vehicle, and manually handle equipment for regular scaffolding operations. 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. Apply safe manual handling techniques and prepare a load plan for a heavy goods vehicle.	a. The hazards and risks associated with manual handling including acute and chronic musculoskeletal disorders are explained appropriately.
	b. Safe lifting and carrying techniques are deployed in accordance with the applicable service information, workplace procedures and legislative requirements.
	c. The manual handling aids such as wheelbarrows, sack trolleys, pallet trolleys and dollies are used appropriately in accordance with the applicable service information, workplace procedures and legislative requirements.
	d. The total weight of the scaffold components and the weights of bundles and stillages of components are calculated and dimensions are determined appropriately from a gear list.

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
2. Load, secure, and unload a heavy goods vehicle.	a. The load plan including the loading and unloading sequence of the load is prepared that is relevant to the vehicle.
	b. The requirements for safe manual and mechanical loading and unloading are described in accordance with workplace procedures, the load plan, and legal weight limits.
	c. The vehicle is loaded in accordance with the load plan, ensuring compliance with legal weight limits.
	d. Appropriate anchor points are identified and load restraint systems and securing devices are correctly applied in accordance with the load plan and the truck loading code.
	e. Loads, including overlength items (e.g. tubes), are secured safely on the vehicle, with appropriate placement and warning measures, in accordance with the load plan and the truck loading code.
	f. Securing devices are safely removed and the vehicle is unloaded using manual or mechanical methods in accordance with workplace procedures, the load plan, and the truck loading code.

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

Assessment specifications:

The candidate must be capable of preparing a load plan, loading and unloading scaffolding equipment on a heavy goods vehicle for regular scaffolding operations.

This skill standard has been developed for learning and assessment on-job, or off-job in a simulated environment.

This skill standard is limited to scaffolding equipment and does not include the loading or unloading of dangerous goods, hazardous substances or over dimension loads.

Evidence presented for assessment against this skill standard must be consistent with safe working practices and be in accordance with applicable service information, workplace procedures and legislative requirements.

Candidates may carry out practical 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

Gear list is defined as a list of components, accessories and tools required to complete a scaffold. For this skills standard, a gear list is not required to be prepared by the candidate.

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

Heavy goods vehicle refers to a goods vehicle heavier than 3500 kg.

Legal weight limits refer to the lesser of weights listed on the heavy vehicle certificate of loading, the New Zealand legal axle weights or road user charges.

Load planning refers to the load arrangement and/or distribution, considering vehicle axle capacities, centre of gravity, even weight distribution, security of the load during travel, and efficient access to scaffold equipment at the destination.

Load restraint systems refer to methods of securing loads to prevent load movement during deceleration in forward or rearward direction, during cornering or while travelling over undulating roads. Normally provided by anchor points, direct or indirect restraint between the load and the load platform.

Scaffolding equipment is defined as the components, accessories and tools which are assembled to form the completed scaffold.

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.

Service information may include technical information for a vehicle, machine, or product detailing operation; installation and servicing procedures; manufacturer instructions; technical terms and descriptions; and detailed illustrations

Workplace procedures refer to organisation policies and procedures that are documented in memo, electronic, or manual format and available in the workplace.

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.
- Applicable service information, workplace procedures and legislative requirements.

- Workplace procedures – standard operating procedures, site specific procedures, site safety procedures, equipment operating procedures, quality assurance procedures, product quality specifications, manufacturer's requirements, references, approved codes of practice, housekeeping standards, environmental considerations, on-site briefings, supervisor's instructions, and procedures to comply with legislative and local body requirements relevant to the commercial road transport sector.
- Load plans – loading and unloading locations, characteristics of the load, use of materials handling equipment, unloading sequence, customer requirements, consignment documentation.
- Load weight dimensions – axle weights, centre of gravity and legal vehicle dimensions.
- Load restraint systems – certified anchor points, certified restraints.
- The requirements for safe manual loading and unloading – PPE, manual handling, dropped objects and falls from height.
- The requirements for safe mechanical loading and unloading – PPE, spotting for forklift, spotting for hiab, blind spot management, slinging, falling objects and falls from height.
- Methods of bundling equipment for safe transport – packs of planks/decks, stillages of components, bags of fittings and lengths of scaffold tube.
- Methods to maintain clean and tidy sites.
- Safe loading and unloading of tools, equipment, and product.
- 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;
- Land Transport Act 1998;
- Land Transport Rule: Vehicle Dimensions and Mass 2016. Available from: <https://www.nzta.govt.nz/commercial-driving>;
- Waka Kotahi New Zealand Transport Agency The official New Zealand truck loading code. <https://nzta.govt.nz/assets/resources/roadcode/truck-loading-code/docs/tlc.pdf>;
- Waka Kotahi New Zealand Transport Agency (NZTA), 2019. Heavy rigid vehicles (Factsheet 13a). Available from: <https://www.nzta.govt.nz/resources/>;
- 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 > 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
Rēhitatanga Registration	1	30 July 2026	N/A
Kōrero whakakapinga Replacement information	N/A		
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.