Title	**Erect and dismantle sloping platforms**		
Level	**4**	**Credits**	**6**

Purpose	This unit standard is for people who have elementary scaffolding skills and who want to develop their scaffolding skills to an intermediate level. People credited with this unit standard are able to: – plan and prepare for the erection of sloping platforms; – erect a sloping platform and barrow ramps; – check the stability and compliance of the structure and complete a GPG inspection report; and – dismantle a sloping platform.

Classification	Lifting Equipment > Intermediate Scaffolding

Available grade	Achieved

Guidance Information

1 This unit standard has been developed for learning and assessment on-job or off-job in a simulated environment. Design, erection, and dismantlement of scaffolds and scaffolding structures in this unit standard must take place under the direct supervision of a scaffolder who holds a current Certificate of Competence for the scaffolding concerned.

2 All tasks are to be carried out in accordance with:
- a quality management systems;
- b designer requirements and manufacturer operating instructions; and legislation, regulations, bylaws, Health and Safety at Work Act 2015, and Health and Safety in Employment Regulations 1995;
- c the most up to date version of 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.

3 Definitions
Barrow ramps refer to a specific type of sloping platform. They are cleated and house a running board for maximum efficiency when moving up and down the slope.
Client refers to 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.
Scaffold plan is a key design document prepared by the candidate and used as a basis for the erection of a particular scaffold.

Scaffolding is as defined in the GPG and in the Health and Safety in in Employment Regulations 1995.
Sloping platforms are formed when scaffolding is erected at an angle on or from a conventional level scaffold. For the purposes of this unit standard sloping platforms include barrow ramps.

4 Training and assessment
Evidence is required for at least two sloping platforms of which one must be barrow ramps. The sloping platforms must be constructed on a minimum of two different scaffolds at least one of which must have multiple (two or more) sloping platform structures.

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

5 Recommended skills and knowledge
New Zealand Certificate in Scaffolding (General) (Level 3) [Ref: 3708], or demonstrate equivalent knowledge and skills.

Outcomes and performance criteria

Outcome 1

Plan and prepare for the erection of sloping platforms.

Performance criteria

1.1 Confirm sloping platform requirements with the work supervisor or client.

Range includes but is not limited to – the load to be carried or supported, area to be covered, points to be linked, angle from the horizontal, duration of use.

1.2 Draw a scaffold plan.

Range includes – the load to be carried or supported, area to be covered, points to be linked, angle from the horizontal, optimum type of scaffolding available, placement of ledgers and transoms, consideration of guardrails, bracing and other safety components, optimum planking;
may include but is not limited to – components attached to vertical standards.

1.3 Identify and source the necessary equipment in accordance with the scaffold plan.

Outcome 2

Erect a sloping platform and barrow ramps.

Performance criteria

2.1 Attach components to vertical standards if required in accordance with the scaffold plan.

2.2 Mark out and secure the angle from horizontal on vertical standards and transoms using double (right angle) couplers in accordance with the scaffold plan.

2.3 Install and secure ledgers above transoms to transoms with double (right angle) couplers in accordance with the scaffold plan.

2.4 Install and secure putlogs above ledgers with single couplers in accordance with the scaffold plan.

2.5 Plank the structure in accordance with the scaffold plan.

2.6 Install guardrails, bracing and other components in accordance with the scaffold plan.

Outcome 3

Check the stability and compliance of the structure and complete a GPG inspection report.

Performance criteria

3.1 Check and confirm the stability of the sloping platform(s) and associated components with the scaffold plan, and make adjustments as necessary.

Range includes but is not limited to – angle of ramp or platform slope, load bearing capacity and security at points of attachment.

3.2 Check the entire structure for compliance with the GPG inspection report.

3.3 Complete a GPG inspection report.

3.4 Make changes to the structure to ensure compliance and amend the GPG inspection report accordingly.

Outcome 4

Dismantle a sloping platform.

Performance criteria

4.1 Remove components above the deck progressively beginning with kickboards and mid rails.

4.2 Remove planks, supporting putlogs and bracing.

4.3 Remove ledgers, supporting transoms and standards.

Planned review date	31 December 2026

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	21 November 2008	31 December 2016
Review	2	16 July 2015	31 December 2019
Rollover and Revision	3	23 November 2017	31 December 2025
Review	4	24 February 2022	N/A
Revision	5	24 August 2023	N/A

Consent and Moderation Requirements (CMR) reference	0003

This CMR can be accessed at http://www.nzqa.govt.nz/framework/search/index.do.

Comments on this unit standard

Please contact the Waihanga Ara Rau Construction and Infrastructure Workforce Development Council qualifications@waihangaararau.nz if you wish to suggest changes to the content of this unit standard.