Title	**Plan and prepare for the erection of proprietary suspended scaffolding**		
Level	**3**	**Credits**	**10**

Purpose	This unit standard is intended to cover the planning and preparation for erecting a suspended scaffold until work begins on-site. People credited with this unit standard are able to: – determine the purpose and loads, and confirm the parameters of, suspended scaffolds prior to erection; – notify a suspended scaffold prior to erection; – identify on-site hazards associated with the erection of suspended scaffolds and complete company safety documentation; – sketch plans for the erection of suspended scaffolds; and – compile equipment list and schedule equipment necessary for the erection of suspended scaffolds.

Classification	Lifting Equipment > Suspended 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. Where supervision is required by law, the supervisor must hold the appropriate Certificate of Competence for the scaffolding work undertaken.

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
Boatswain's chair refers to a suspended scaffold of which the platform is a chair or similar device suitable for one person. It can be raised or lowered mechanically or by hand haulage.

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.
Company requirements include the policy, procedures, and methodologies of the company. They include legislative and regulatory requirements which may apply across the company or to a specific site. Requirements are documented in the company's health and safety plans, contract work programmes, quality assurance programmes, policies, and procedural documents.
Parapet hook refers to a clamp or bracket placed over a parapet from which a scaffold is suspended.
Hazards refer to those occurrences, processes, substances or situations as determined by the organisation that are an actual or potential cause or source of harm associated with, but not limited to: process, activities, environment, equipment, materials, work organisation, site and facilities.
Proprietary needle refers to a pre-engineered cantilevered structural member that supports a scaffold.
Suspended scaffolding is as defined in the GPG and additionally in the Health and Safety in Employment Regulations 1995. Note that a suspended scaffold is capable of being raised or lowered. A working platform that cannot be raised or lowered is classified as a hanging scaffold, not a suspended scaffold.
Swinging stage refers to a suspended scaffold platform that can be raised or lowered.

4 Training and assessment
This unit standard must be assessed against using proprietary suspended scaffolding systems and components. Evidence is required for at least two suspended scaffolds, at least one boatswain's chair and one swinging stage. Also, candidates must be assessed for scaffolds suspended from both proprietary needles and parapet hooks.

Outcomes and performance criteria

Outcome 1

Determine the purpose and loads, and confirm the parameters of, suspended scaffolds prior to erection.

Performance criteria

1.1 Determine the purpose of the suspended scaffolds.

Range may include but is not limited to – plans, consultation with supervisor, consultation with client.

1.2 Determine the loads of the suspended scaffolds.

Range may include but is not limited to – setting of load limiting device, weight of suspension and secondary cables (and stabilising weights) and electric supply cable.

1.3 Determine when a Chartered Professional Engineer is required to verify the supporting structure to ensure it can support all loads imposed by a suspended scaffold.

1.4 Confirm the parameters of the suspended scaffolds on-site.

Range includes but is not limited to – the area to be accessed, height and number of drop(s), suspension points.

Outcome 2

Notify a suspended scaffold prior to erection.

Performance criteria

2.1 Notify a suspended scaffold prior to erection in accordance with company requirements.

Range includes – WorkSafe NZ, completion of legal requirements; may also include but is not limited to – local authority, electricity authorities.

Outcome 3

Identify on-site hazards associated with the erection of suspended scaffolds and complete company safety documentation.

Performance criteria

3.1 Identify on-site hazards.

Range may include but is not limited to – power lines, power leads, site entry points, site exit points, traffic, other activities being conducted, fire risk, weather conditions.

3.2 Complete required company safety documentation in relation to the suspended scaffolds.

Range may include but is not limited to – traffic management plan, gear-drop site sketch, height safety considerations.

Outcome 4

Sketch plans for the erection of suspended scaffolds.

Performance criteria

4.1 Draw plans of the suspended scaffolds in the context of the site on which the suspended scaffold is to be erected.

4.2 Establish and sketch the optimum placement of the suspended scaffolds and associated components.

Range may include but is not limited to – consideration of access issues, job requirements, counterweight and bracing positions, viable parapet hook or proprietary needle attachment points.

4.3 Show where proprietary needles are used to suspend scaffolding, counterweight calculations and placement on the plan.

4.4 Check the integrity of the parapet, where parapet hooks are used, with a Chartered Professional Engineer, or another scaffolder holding the appropriately endorsed certificate of competence.

Outcome 5

Compile equipment list and schedule equipment necessary for the erection of suspended scaffolds.

Performance criteria

5.1 Compile an equipment list for the erection of the suspended scaffolds.

5.2 Schedule equipment for the erection of the suspended scaffolds.

5.3 Compile a loading priority list for the erection of the suspended scaffolds.

5.4 Schedule transport to move equipment to the scaffold site.

Replacement information	This unit standard, unit standard 26591, unit standard 26593, and unit standard 26594 replaced unit standard 4204, unit standard 4205, and unit standard 4207.

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 July 2011	31 December 2016
Review	2	16 July 2015	31 December 2019
Review	3	29 March 2018	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.