

Title	Erect and dismantle catch fans		
Level	4	Credits	6

Purpose	<p>This unit standard is for people who have elementary scaffolding skills and who want to develop their scaffolding skills to an intermediate level.</p> <p>People credited with this unit standard are able to:</p> <ul style="list-style-type: none"> – plan and prepare for the erection of catch fans; – erect a catch fan; – check the stability and compliance of the structure and complete the GPG inspection report; and – dismantle catch fan scaffolding.
----------------	---

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 certified 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 I government legislation, regulations, bylaws, Health and Safety at Work Act 2015, and Health and Safety in Employment Regulations 1995 or its replacement;
 - 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

Catch fans refer to cantilevered structures attached to scaffolding to contain falling debris and provide protection below the scaffolding. For the purposes of this unit standard catch platforms, catch screens, catch nets and fans attached to scaffolding using cantilevered assemblies are considered catch fans.

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 Employment Regulations 1995.

4 Training and assessment

Evidence is required for at least two different catch fan structures on separate scaffolds. Additionally, at least one of these scaffolds must have multiple (two or more) catch fan 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 catch fans.

Performance criteria

1.1 Confirm catch fan requirements with the work supervisor or client.

Range	includes – the area to be protected, placement in relation to the scaffold, engineering and scaffold plan requirements; may include but is not limited to – tie points methods to brace the supporting structure, safe method of erection, cleaning and dismantle.
-------	--

1.2 Draw a scaffold plan.

Range	includes but is not limited to – the area to be protected, placement in relation to the scaffold, tube up or tube down construction, bracing points and materials, tie points and methods to brace the supporting structure, the covering material used, scaffold plan, and engineering requirements.
-------	---

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

Outcome 2

Erect a catch fan.

Performance criteria

- 2.1 Erect spurs from the existing scaffold in accordance with the scaffold plan.
- 2.2 Brace catch fan in accordance with the scaffold plan.
- Range where possible using spurs from below, where necessary using spurs or wire rope from above.
- 2.3 Brace supporting scaffold in accordance with the scaffold plan.
- 2.4 Construct additional ties at the level of the catch fan between the scaffold proper and the supporting structure, in accordance with the scaffold plan.
- 2.5 Attach covering material in accordance with the scaffold plan.
- Range may include but is not limited to – planks and ply, ply, screening, chicken mesh.

Outcome 3

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

Performance criteria

- 3.1 Check and confirm the stability of catch fan(s) and associated components with the scaffold plan, and make adjustments as necessary.
- Range includes but is not limited to – security of attachment points, security and integrity of covering material.
- 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 report accordingly.

Outcome 4

Dismantle catch fan scaffolding.

Performance criteria

- 4.1 Remove covering material.
- 4.2 Dismantle catch fan bracing and spurs.
- 4.3 Dismantle the additional scaffold bracing.
- 4.4 Dismantle catch fan related ties from the supporting structure.

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.