

Title	Use mathematics for interior proprietary systems installation		
Level	4	Credits	3

Purpose	<p>This standard aligns with the <i>New Zealand Certificate in Proprietary Systems Installation – Specifications</i>, developed on behalf of the Proprietary systems installation industry to specify the skills and knowledge required to achieve the New Zealand Certificate in Proprietary Systems Installation (Level 4) with strands in Proprietary Partitions, and Suspended Ceilings [Ref: 3060].</p> <p>This standard is intended for those working in the proprietary systems installation industry.</p> <p>People credited with this unit standard are able to use mathematics for interior proprietary systems installation to the level required of a commercially competent proprietary systems installer.</p>
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Classification	Construction Trades > Specialist Interiors
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Available grade	Achieved
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Guidance Information

This unit standard is one of a family of standards that align with the *New Zealand Certificate in Proprietary Systems Installation – Specifications* and should be read, interpreted and assessed in the context of those *Specifications* and the New Zealand Certificate in Proprietary Systems Installation (Level 4) with strands in Proprietary Partitions, and Suspended Ceilings [Ref: 3060].

The overarching level of performance for the family of unit standards is commercial competence.

Commercial competence requires a candidate to be capable of consistently performing the requirements of the unit specification:

- to current regulatory, industry and commercial standards
- within a commercially viable timeframe
- in commercial environments
- without supervision
- in different and unfamiliar contexts.

The sufficiency of evidence required to demonstrate commercial competence against this unit standard is determined within the context of the family of unit standards aligned to the *Specifications*.

The assessor must be confident that the candidate is capable of applying the skills and knowledge included in this skill specification to the level, scope and complexity required to support the achievement of related skills included in the *Specifications*.

Commercial competence can only be demonstrated, and must be assessed, in the workplace.

The assessment of commercial competence must be corroborated and confirmed by a person who has current expertise in a proprietary systems trade specialty and has had the opportunity to regularly observe the candidate in the workplace.

References

New Zealand Certificate in Proprietary Systems Installation – Specifications, Waihanga Ara Rau, February 2016, available from <https://www.waihanga.nz>.

Skill specification and performance level guidance

Skill specification

Use mathematics for interior proprietary systems installation.

Know The different units of measurement and how they are used.

Conventions associated with the use of centres and spacing.

How to calculate area.

Pythagoras' theorem and its practical application.

How to use and apply percentages, fractions and ratios to building calculations.

Do Undertake measurements and calculations for interior proprietary systems installation.

Use the mathematical principles associated with right-angled triangles.

Calculate physical quantities of materials for interior proprietary systems installation.

Prepare orders for materials based on calculated quantities interior proprietary systems installations.

Performance level guidance

Units of measurement include those used for length, weight, volume, time and temperature.

Calculations for area include a variety of different shapes including square, rectangular, triangular and circular.

Measurements are taken from working drawings and on-site measures.

Measurements and calculations include using accepted conventions and making applicable allowances.

Planned review date	31 December 2025
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	26 July 2018	N/A
Rollover	2	27 April 2023	N/A

Consent and Moderation Requirements (CMR) reference	0048
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact 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.