

Title	Develop and review design solutions		
Level	4	Credits	20

Purpose	People credited with this unit standard are able to: produce developed design solutions from design concepts and review developed design solutions.
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Classification	Design > Generic Design
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Available grade	Achieved
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Guidance Information

- 1 It is suggested that activities associated with attaining this unit standard be combined with other activities involved in the design, development, realisation and presentation phases of a project.
- 2 Performance of all outcomes must be carried out in accordance with industry and/or organisation standards and procedures, unless otherwise stated. Industry and/or organisation standards and procedures may include – quality assurance, documentation, security, communication, health and safety, ethics, interpersonal behaviour, and design practice style. An acceptable standard would be comparable to ISO 9000 certified organisations and those set by an incorporated professional or trade body. Examples of such bodies are the Designers Institute of New Zealand, New Zealand Institute of Architects and Architectural Designers NZ Incorporated.
- 3 Performance of all outcomes must comply with legislation that may have an impact upon client needs and requirements such as, but not limited to – Building Act 2004, Copyright Act 1994, Consumer Guarantees Act 1993, Designs Act 1953, Fair Trading Act 1986, Health and Safety at Work Act 2015, Patents Act 2013, Privacy Act 1993, Resource Management Act 1991, Trade Marks Act 2002, and subsequent amendments.
- 4 Definitions
Contractual agreements may be commercial or simulated in a training environment.
Project brief includes the design brief and all other project outcomes as specified in a brief.

Outcomes and performance criteria

Outcome 1

Develop design solutions from design concepts.

Performance criteria

1.1 Design criteria are established according to the project brief and design concepts.

Range may include are but not limited to – client feedback; existing design work; new ideas; technical; aesthetics; anthropometric, cultural, environmental, human engineering factors; legal; moral; social.

1.2 Materials specifications are checked in terms of availability and suitability.

1.3 Viability of the design is established in terms of cost; market; material; processes; aesthetics; anthropometric, cultural, environmental, human engineering factors; and legal, moral, social.

1.4 Developed designs are produced that accurately communicate the design solutions, in accordance with the design brief.

Range may include but are not limited to – drawings, models, prototypes.

Outcome 2

Review developed design solutions.

Performance criteria

2.1 The developed design solutions are reviewed to ensure they comply with the requirements of the design brief.

2.2 The developed design solutions are revised in accordance with contractual agreements.

2.3 The developed design solutions are evaluated for compliance with industry or organisation standards.

Range may include but is not limited to – external consultants, design team, self, focus groups.

Replacement information	This unit standard replaced unit standard 2105, unit standard 8177, and unit standard 8178.
Planned review date	31 December 2023

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	27 November 1998	31 December 2012
Revision	2	15 January 2004	31 December 2012
Rollover and Revision	3	16 February 2012	31 December 2020
Rollover and Revision	4	19 September 2013	31 December 2020
Rollover and Revision	5	16 February 2017	31 December 2020
Review	6	28 March 2019	N/A

Consent and Moderation Requirements (CMR) reference	0235
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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 NZQA National Qualifications Services nqs@nzqa.govt.nz if you wish to suggest changes to the content of this unit standard.