

Putting the pieces together

**National Diploma in Building Control Surveying
(Medium & Large Buildings)**

Regional Consultation Meeting – July 2008

Supported by



Resources & how to respond

There are four key resources to help you understand what is proposed:

1. The one page structure and requirements document
2. The individual unit documents
3. The assessment scenarios document
4. The question and answer section

There are three ways you can respond:

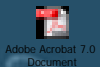
1. The one minute feedback form
2. By email
3. By post



The one page structure and requirements document

There are two rules that a candidate needs to meet:

- Rule 1: A compulsory set of 12 unit standards
- Rule 2: An optional set of units focused on the knowledge of Building Code requirements with a design or compliance option



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Rule 1: A compulsory set of 12 unit standards

The list is:

- 1296- Interview in an informal one-to-one situation
- 11283- Communicate with clients in a compliance context
- 22698- Demonstrate knowledge of building control legislation and requirements
- 24160- Peer review building control authority quality management system process for compliance with quality standards
- 24519- Demonstrate knowledge of ethics and personal responsibility applicable to building consent processing
- 24161- Demonstrate knowledge of Building Act 2004 processes
- 24171- Demonstrate the knowledge of Clause H1 – energy efficiency in the Building Code
- 9668- Apply principles from published data to the provision of services for medium and large buildings
- 9672- Determine and describe construction methods for medium and large buildings
- Review 1 - Complete consent processing for medium and large buildings
- Review 2 - Complete building inspections for medium and large buildings
- New Unit 3- Describe the processes of consenting and inspecting medium and large buildings

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Rule 2: An optional set

All units listed in either the Design list or Compliance list

The design list is:

- 9663- Demonstrate knowledge of a feasibility study of a site
- 9664- Demonstrate knowledge of Building Law
- 9669- Apply principles from published data to evaluate and select materials and finishes for buildings
- 9670- Identify environmental impacts, design, and construction techniques, on and of the built environment
- 10161- Establish the conditions for writing a design brief for a building project
- 10162- Contribute to preparation of, and present, a preliminary architectural design from a given concept
- 10163- Prepare a developed building design from a given preliminary design

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Rule 2: An optional set

All units listed in either the Design list or Compliance list

The compliance list is:

- 24164-Demonstrate knowledge of the structural stability and durability in the Building Code
- 24165-Demonstrate knowledge of fire safety requirements in the Building Code
- 25166-Demonstrate knowledge of Clause D1 – access routes in the Building Code
- 24167-Demonstrate knowledge of surface water, external and internal moisture control in the Building Code
- 24168-Demonstrate knowledge of hazard management and the safety of users in the Building Code
- 24169-Demonstrate knowledge of the requirements for Service and Facilities in the Building Code
- 24170-Demonstrate knowledge of the requirements for Piped Services and Waste in the Building Code
- 24171-Demonstrate the knowledge of Clause H1 – energy efficiency in the Building Code
- New Unit 1-Demonstrate knowledge of the requirements for mechanical installations for access in the New Zealand Building Code.
- New Unit 2-Demonstrate knowledge of the requirements for industrial liquid waste in the New Zealand Building Code.

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A specific question about the qualification content

Should unit standard 19420 Demonstrate knowledge of the legal system as it pertains to local government in New Zealand be included in the qualification package?

There is currently two unit standards 22698 titled - Demonstrate knowledge of building control legislation and requirements and 24161 titled - Demonstrate knowledge of the processes for issuing certificates and notices under the Building Act 2004.

There are also a number of unit standards covering the Building code.

Is unit standard 19420 'nice to have' or a 'must have' ?

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Demonstrate knowledge of building control legislation and requirements

People credited with this unit standard are able to:

1. outline the principles and content of the Building Act 2004;
2. explain the purpose of the Building Code;
3. explain the purpose of Building Code Compliance Documents;
4. and explain the purpose of related legislation.



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Demonstrate knowledge of the processes for issuing certificates and notices under the Building Act 2004

People credited with this unit standard are able to demonstrate knowledge of the process of issuing:

1. a Notice to Fix (NTF);
2. a Certificate of Acceptance (CoA);
3. a Dangerous Building Notice;
4. a Certificate for Public Use (CPU);
5. a Code Compliance Certificate (CCC);
6. and a Building Warrant of Fitness (BWof).



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Assessment Documents Where the Detail begins

New Unit 5
Demonstrate knowledge of small building construction methods, materials and systems
Level: 5 Credits: 25

Special notes

- Assessment against this unit standard should be for examples of a small building as described in the Phase 2 Consultation - Small Building Scenarios or against a building benchmarked against the listed scenarios and agreed to by your assessor prior to assessment commencing.
- All assessments must comply with any applicable sections of the following legislation, regulations and codes and any subsequent amendments:
 Acts include - Building Act 2004; Building Regulations 2004; Protected Disclosures Act 2000, Commissions of Inquiry Act 1908, Privacy Act 1993,
 Codes include - New Zealand Building code and Approved Documents.
 Regulations include – the New Zealand Building Regulations 1992
- The scope of buildings assessed within this unit standard fall generally within the coverage of NZS 3604:1999 Timber Framed Buildings & NZS 4229:1999 Concrete masonry buildings not requiring specific engineering design, NZS 3109:1997 Concrete construction (see below for link) Please note other Standards are referenced with the New Zealand Building Code Handbook.
- Definition**
Small buildings are small scale, light weight buildings, generally of non-specific design, and of domestic scale with lightweight framing and/or concrete or concrete masonry construction
Quality management systems refers to a formal management system that establishes policy and objectives (and ways of achieving them) in order to direct and control an organisation with regard to quality
 All other definitions can be referenced in the New Zealand Building Code Handbook (see below for link)
- Reference documents:**
 New Zealand Building code and any subsequent amendments <http://www.dbh.govt.nz/building-code-compliance-documents>
 New Zealand Building Code Handbook <http://www.dbh.govt.nz/usedPublications/Publications/Building-Compliance-documents/handbook.pdf>
 Building officials' guide to the Building Act <http://www.dbh.govt.nz/usedPublications/publications-publications-covers/building/building-officials-guide.pdf>
 New Zealand Standard <http://www.standards.org.nz/standards.htm>
- All activities must comply with: any policies, procedures, business protocols, and requirements of the organisation/s involved; ethical codes and standards of relevant professional bodies.

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Assessment Documents Where the Detail begins

Element 1 Describe the construction methods for foundations and sub-structure for small buildings.		
Performance Criteria	Candidate	Assessor
1.1 Types of foundations and how they relate to substrate conditions are described in accordance with New Zealand Standards and the Building code.	Describe the types of foundations and how they relate to substrate conditions in accordance with New Zealand Standards and the Building code. The description should include reference to loads and forces, continuous footing, isolated pads, slab on ground, friction and end bearing piles.	The description includes reference to: loads and forces – including bracing of foundations Continuous footing, slab on ground & isolated pads – including physical size, reinforcing steel, DPM and concrete cover. Friction and end bearing piles – including bracing, footing size, depth and soil bearing conditions.
1.2 Component selection is described in terms of New Zealand Standards and the Building code.	Draw foundations and sub-structure and describe component selection for scenario 1 or against a building agreed to by your assessor in terms of New Zealand Standards and the Building code.	Drawings can be freehand and not necessarily to scale, but provide sufficient detail to show the major elements and be appropriately labelled.
1.3 Method of construction of foundation system is explained in terms of New Zealand Standards and the Building code. Range: includes but is not limited to – excavation, safe batters, timber piles, masonry and concrete foundation walls, footings, cantilevered, bored, concrete piles.	The drawing should include continuous footing, isolated pads, slab on ground, friction and end bearing piles. Explain the method of construction of foundation systems for the given example. Method of construction may include but is not limited to - excavation, safe batters, timber piles, masonry and concrete foundation walls, footings, cantilevered, bored, concrete piles.	The description includes appropriate justification of construction methods of the foundation system Justification of component selection could include: price, topography, soil conditions, size and type of building.

Integration of Key Competencies within unit standards

Taken from unit 1296 - Interview in an informal one-to-one situation

<p>1 Collecting, analysing and organising information The capacity to locate, sift and sort information in order to select what is required and to present it in a useful way, and evaluate both the information itself and the sources and methods used to collect it.</p>	Interviewee information Organisational information Identify the site location Relevant technical information
<p>2 Communicating ideas and information The capacity to communicate effectively with others using the range of spoken, written, graphic and other non-verbal means of expression.</p>	Keeping the message appropriate to the audience Clarity of response – answering the questions being asked Accuracy of recorded information Working within your ambit of responsibility
<p>3 Planning and organising activities The capacity to plan and organise one's own work activities, including making good use of time and resources, sorting out priorities and monitoring one's performance.</p>	Appropriate and timely responses (internally and externally) Communicate levels of priorities and workloads
<p>4 Working with others and in teams The capacity to interact effectively with other people both on a one-to-one basis and in groups, including understanding and responding to the needs of a client and working effectively as a member of a team to achieve a shared goal.</p>	Communicate tasks to individuals who need to provide supporting information or services Inform team members of issues/information that impacts them
<p>5 Solving problems The capacity to apply problem-solving strategies in purposeful ways, both in situations where the problem and the solution are clearly evident and in situations requiring creative thinking and a creative approach to achieve a desired outcome.</p>	Identify opportunities to improve customer service and/or organisational procedures
<p>6 Using mathematical ideas and techniques The capacity to use mathematical ideas, such as number and space, and techniques such as estimation and approximation, for practical purposes.</p>	Ensure any calculations of fees or building calculations are accurate.
<p>7 Using technology The capacity to apply technology, combining the physical and sensory skills needed to operate equipment with the understanding of scientific and technological principles needed to explore and adapt systems.</p>	Appropriate use of communications technology e.g. Video & Phone conferencing Corporate information management standards are followed (hard copy and electronic systems)

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Please take the time now to tell us what you think


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Please provide your feedback by August 15th 2008

Complete the online
1 Minute Feedback Form

Email us your thoughts
mark@unltd.co.nz

Post your comments to:
Qualifications Feedback
PO Box 19163,
Wellington



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