

Title	Demonstrate knowledge of computer database management systems		
Level	4	Credits	3

Purpose	People credited with this unit standard are able to: describe data management issues and describe commonly implemented features of commercial computer database management systems.
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Classification	Computing > Generic Computing
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Available grade	Achieved
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Guidance Information

- 1 Version 1 was republished to correct the accreditation option.
- 2 **Definition**
Database Management System (DBMS) is a set of computer programs that control the creation, maintenance, and the use of database(s) in an organisation. Within a DBMS are software programs that control the organisation, storage, management, and retrieval of data.
- 3 The assessment context for this unit standard must be suitable to meet the criteria for level 4 in the NZQF Level Descriptors, which are available by searching for “level descriptors” at www.nzqa.govt.nz.
- 4 Legislation relevant to this unit standard may include but is not limited to the:
Copyright Act 1994;
Copyright (New Technologies) Amendment Act 2008;
Health and Safety at Work Act 2015;
Privacy Act 1993;
Unsolicited Electronic Messages Act 2007;
and any subsequent amendments.
Current legislation and regulations can be accessed at <http://legislation.govt.nz>.
- 5 An assessment resource to support computing unit standards (levels 1 to 4) can be found on the NZQA website at www.nzqa.govt.nz/asm.

Outcomes and performance criteria

Outcome 1

Describe data management issues.

Range issues include – access, shared use, security, integrity, privacy, reliability, risk, performance, integration, data administration.

Performance criteria

1.1 The description identifies and includes examples of the problem(s) the issues represent to an organisation.

Range a minimum of one example for each issue.

1.2 The description outlines ways database management systems are used to address the issues.

Outcome 2

Describe commonly implemented features of commercial database management systems.

Range data access tools, recovery, audit, distributed data management, backup, transaction processing.

Performance criteria

2.1 The description identifies the features of the database management systems in terms of their capabilities.

2.2 The description identifies the purpose of each feature in terms of their use within an organisation.

2.3 The description identifies the way in which each feature contributes to the solution of data management issues.

Replacement information	This unit standard replaced unit standard 6724.
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This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	19 March 2010	31 December 2015
Republication	1	21 May 2010	31 December 2015
Rollover and Revision	2	19 September 2013	31 December 2019
Review	3	19 January 2017	31 December 2024
Review	4	26 May 2022	31 December 2024

Consent and Moderation Requirements (CMR) reference

0226

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.