Title	Demonstrate and apply knowledge of single-user and multi-user computer operating systems		
Level	4	Credits	5

Purpose	People credited with this unit standard are able to: compare single-user and multi-user computer operating systems; demonstrate knowledge of the features of multi-user operating systems; and demonstrate the use of computer operating system features for single-user and multi-user computer operating systems.

Classification	Computing > Generic Computing

Available grade	Achieved

Guidance Information

1   Definitions
        Multi-user means an operating system that allows concurrent access by multiple users of a computer.
        Single-user means an operating system that is only usable by one person at a time.
        Organisation standards may include – quality assurance, documentation, security, communication, health and safety, personal behaviour.

2   Legislation relevant to this unit standard may include but is not limited to:
        Copyright Act 1994
        Copyright (New Technologies) Amendment Act 2008
        Harmful Digital Communications Act 2015
        Health and Safety at Work Act 2015
        Privacy Act 1993
        Unsolicited Electronic Messages Act 2007
        and any subsequent amendments.

3   An assessment resource to support computing unit standards (levels 1 to 4) can be found on the NZQA website at
        http://www.nzqa.govt.nz/for-providers/resources/index.html.

4   References
        ACC5637 Guidelines for Using Computers - Preventing and managing discomfort, pain and injury. Accident Compensation Corporation - Department of Labour, 2010; available from Worksafe New Zealand, at
        http://www.business.govt.nz/worksafe/information-guidance/all-guidance-items/guidelines-for-using-computers.

Outcomes and performance criteria

Outcome 1

Compare single-user and multi-user computer operating systems.

Range   multi-user system of fifty concurrent users or more.

Performance criteria

1.1   The comparison distinguishes single-user and multi-user operating systems and identifies examples of each.

Range   a minimum of two different examples for each system from a minimum of two different vendors.

1.2   The comparison outlines the advantages and disadvantages of single-user and multi-user operating systems.

Outcome 2

Demonstrate knowledge of the features of multi-user operating systems.

Performance criteria

2.1   Features of multi-user operating systems are described in terms of their purpose and use.

Range   features may include but are not limited to – accessing printer(s), folders and files, mapping drives;
at least three features are required.

2.2   Access permissions are described in terms of their use.

Range   permissions include but are not limited to – read, write, execute, modify, delete, full control, supervisory, filescan;
knowledge of five permissions is required.

Outcome 3

Demonstrate the use of computer operating system features for single-user and multi-user computer operating systems.

Range   features may include but are not limited to – accessing printer(s), folders and files, mapping drives.

Performance criteria

3.1   The features of the operating system are used according to organisation standards.

3.2   The features of the operating system are used without errors.

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	16 July 1996	31 December 2015
Revision	2	28 July 1998	31 December 2015
Review	3	30 November 2000	31 December 2015
Revision	4	5 July 2002	31 December 2015
Revision	5	16 January 2003	31 December 2015
Revision	6	16 July 2004	31 December 2015
Review	7	19 November 2010	31 December 2017
Rollover and Revision	8	16 April 2015	31 December 2019
Review	9	19 January 2017	31 December 2024
Review	10	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.