

Title	Produce and install illuminated signs		
Level	4	Credits	20

Purpose	<p>This unit standard is for experienced people working in the signmaking industry.</p> <p>People credited with this unit standard are able to: plan and prepare to produce and install illuminated signs; produce and test illuminated signs; install illuminated signs; and clean equipment and work area.</p>
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Classification	Printing > Signmaking
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Available grade	Achieved
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Guidance Information

- 1 Legislation and references
 Building Act 2004
 Health and Safety in Employment Act 1992
 Resource Management Act 1991
 Electricity (Safety) Regulations 2010
 Relevant Regional and Local Authority bylaws
 AS/NZS 3832:1998 *Electrical installations – Cold-cathode illumination systems*, available at <http://www.standards.co.nz>.

**This unit standard is
expiring**

- 2 Definitions
Company requirements refer to any documented policies and procedures of the company involved.
Tools, equipment and materials may refer to – circuit testing equipment, electrical connection tools, hand and power tools, router cutting tools.
Illuminated may refer to – LED, neon, fluorescent.
Job requirements refer to the information provided about the agreed work to be completed.
- 3 Range
 Production and installation of two illuminated signs of different light sources is required.

Outcomes and performance criteria

Outcome 1

Plan and prepare to produce and install illuminated signs.

Performance criteria

- 1.1 Work area is prepared for producing and installing illuminated sign in accordance with company and legislative requirements.
- 1.2 Job specifications are identified in accordance with any drawings, job requirements and the client's brief.
- 1.3 Tools, equipment and materials are selected to carry out tasks in accordance with company requirements.
- 1.4 Permit requirements are met, where required, prior to commencement of work in accordance with company requirements.
- 1.5 Position of sign is confirmed by inspection of worksite prior to installation in accordance with company requirements.
- 1.6 Potential hazards associated with sign installation are identified and actioned in accordance with company requirement.

Outcome 2

Produce and test illuminated signs.

Performance criteria

- 2.1 Components are determined, selected and prepared in accordance with the job specifications and AS/NZS 3832.
- 2.2 Illumination components are installed in accordance with job specifications.
- 2.3 Components and wiring are installed in accordance with AS/NZS 3832 and Electricity (Safety) Regulations 2010.
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Range components may include but are not limited to – ballast units, starter components, capacitors, flasher units, transformers, isolation switch, timer.
- 2.4 Tests confirm diffusion of light complies with job specifications.
- 2.5 Tests are carried out in accordance with AS/NZS 3832 and Electricity (Safety) Regulations 2010.
- 2.6 Illuminated sign is operational in accordance with the job specifications and legislative requirements.

Outcome 3

Install illuminated signs.

Performance criteria

- 3.1 Planned job sequence meets agreed completion time and is coordinated with other personnel in accordance with company requirements and job specifications.
- 3.2 Sign is connected to the power source, tested and operational in compliance with Electricity (Safety) Regulations 2010, Regional and Local Authority bylaws and electrical supply authority regulations.
- 3.3 Completed installation complies with the job specifications and legislative requirements.

Outcome 4

Clean equipment and work area.

Performance criteria

- 4.1 Equipment is cleaned and stored in accordance with legislative and company requirements.
- 4.2 Work site is cleaned and waste removed in accordance with legislative and company requirements.

Replacement information	This unit standard replaced unit standard 1050, unit standard 1051, unit standard 1052, unit standard 1056, and unit standard 1057.
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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 January 2012	31 December 2016
Review	2	20 April 2017	31 December 2022
Rollover	3	17 August 2017	31 December 2022

Consent and Moderation Requirements (CMR) reference	0005
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.