

Title	Conduct go/no-go testing of electronic products in electronic manufacturing		
Level	3	Credits	10

Purpose	<p>This unit standard covers go/no-go testing of electronic products in the assembly environment of electronic manufacturing.</p> <p>People credited with this unit standard are able to:</p> <ul style="list-style-type: none"> –set up the test environment; and –conduct go/no-go testing on electronic products.
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Classification	Electronic Engineering > Electronic Manufacturing
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Available grade	Achieved
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Guidance Information

- 1 Definitions

electronic products – what the enterprise manufactures. These could be complete products intended for end users; or sub assemblies, printed circuit boards, or components, for use in other manufacturing processes.

go/no-go testing – testing by means of measuring instruments, indicators, or specialised jigs to determine whether the product is either within specification (go) or not (no-go). Adjustments are not required.
- 2 Candidates are expected to be able to operate specified test equipment and jigs to confirm the functional operation of electronic products, and may be required to apply technical instructions in the setting up processes in some environments.
- 3 Range
 - a test equipment and test jigs – selection and configuration specified by enterprise job instructions;
 - b tests – go/no-go tests on electronic products specified by enterprise job instructions;
 - c electronic products – standard to be demonstrated on two or more products or variances.
- 4 The following apply to all outcomes of this unit standard:
 - a all activities are to be completed and reported within agreed timeframes;
 - b all work practices must meet worksite's documented quality management requirements;
 - c all activities must comply with policies, procedures and requirements of the enterprises involved; and any relevant legislative and/or regulatory requirements,

which include, but are not limited to, the Health and Safety in Employment Act 1992.

- 5 People who are registered as physically disabled may achieve this unit standard with exemption from the requirements of outcome 1 only.

Outcomes and performance criteria

Outcome 1

Set up the test environment.

Performance criteria

1.1 The selection and setup of test instrumentation comply with enterprise test instructions.

1.2 The test environment meets enterprise safety requirements.

Range workplace, equipment, setup, access.

Outcome 2

Conduct go/no-go testing on electronic products.

Performance criteria

2.1 Test process complies with supplied test instructions.

2.2 Product integrity is not affected by handling or testing process.

Range appearance, functionality, electrostatic discharge (ESD).

2.3 Fully functional and non-functioning products are identified, and labelled where appropriate, in accordance with enterprise procedures.

2.4 Defects are processed in accordance with enterprise procedures.

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	24 February 1998	31 December 2021
Review	2	28 June 1999	31 December 2021
Revision	3	3 April 2001	31 December 2021
Review	4	23 November 2003	31 December 2021
Rollover and Revision	5	19 March 2010	31 December 2021
Review	6	26 July 2018	31 December 2021

Consent and Moderation Requirements (CMR) reference

0003

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