

<b>Title</b>	<b>Inspect electronic products visually</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>10</b>

<b>Purpose</b>	<p>This unit standard covers visual inspection of electronic products produced or assembled by other workers, at strategic points in the production process.</p> <p>People credited with this unit standard are able to:                      –inspect electronic products visually.</p>
----------------	--

<b>Classification</b>	Electronic Engineering > Electronic Manufacturing
-----------------------	---

<b>Available grade</b>	Achieved
------------------------	----------

---

**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.

*visual inspection* – visual inspection of products produced or assembled by other workers, at strategic points in the production process. This may require use of optical magnifiers in some situations.
- 2 References
 

Health and Safety in Employment Act 1992;  
 IPC-A-610D, *Acceptability of Electronic Assemblies*, 2005, published by IPC – Association Connecting Electronics Industries.
- 3 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.

---

**Outcomes and performance criteria**

**Outcome 1**

Inspect electronic products visually.

**Performance criteria**

- 1.1 The inspection process demonstrates a systematic appraisal of all product features.
- Range features may include but are not limited to – structure, fixture, interconnection, components, labelling, visual appearance.
- 1.2 The inspection process verifies the product quality in accordance with IPC-A-610D and/or enterprise standards for the application.
- 1.3 Product integrity is not affected by inspection process or handling.
- 1.4 Defects are processed in accordance with enterprise procedures.
- 1.5 Results of inspection are recorded in accordance with enterprise standards.

**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>.