

Title	Plan, conduct and evaluate a plastics product trial		
Level	4	Credits	5

Purpose	People credited with this unit standard are able to plan, conduct and evaluate a plastics product trial.
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Classification	Plastics Processing Technology > Plastics Processing - General
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Available grade	Achieved
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Explanatory notes

- 1 Legislation relevant to this unit standard includes but is not limited to the Health and Safety at Work Act 2015.
- 2 Definitions
Trial – the testing and evaluation of either a tool, material, or process.
Workplace procedures – procedures used by the organisation carrying out the work and applicable to the tasks being carried out. Examples are – standard operating procedures, site safety procedures, equipment operating procedures, codes of practice, quality management practices and standards, procedures to comply with legislative and local body requirements.
- 3 Examples of trial events are; material trial, process trial, tool trial, process improvement, optimise cycle trial.
- 4 Candidates must conduct trials independently.
- 5 All evidence requirements must be performed in accordance with workplace procedures.

Outcomes and evidence requirements

Outcome 1

Plan a plastics product trial.

Evidence requirements

- 1.1 Trial objectives are determined.
- 1.2 Trial design and parameters are determined to define the trial procedure and success criteria.

- 1.3 Timing and resource requirements are determined to align with workplace personnel and machine availability.
- 1.4 Trial results reporting requirements and format are determined.
- 1.5 Material process data is collated.

Outcome 2

Conduct and evaluate a plastics product trial.

Evidence requirements

- 2.1 Trial procedures are carried out in a systematic manner to meet trial objectives.
- 2.2 Product process limitations are determined in accordance with trial plan.
- Range examples of process limitations are – mould condition and operation, production equipment capability, material grade selection, ambient conditions, labour requirements, possible cycle time.
- 2.3 Trial results are recorded and documented accurately.
- Range machine settings, part verified to specification.

Planned review date	31 December 2021
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	15 September 2016	N/A

Consent and Moderation Requirements (CMR) reference	0013
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Please note

Providers must be granted consent to assess against standards (accredited) by NZQA, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be granted consent to assess against standards by NZQA before they can register credits from assessment against unit standards.

Providers and Industry Training Organisations, which have been granted consent and which are assessing against unit standards must engage with the moderation system that applies to those standards.

Requirements for consent to assess and an outline of the moderation system that applies to this standard are outlined in the Consent and Moderation Requirements (CMR). The CMR also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

Comments on this unit standard

Please contact Competenz qualifications@competenz.org.nz if you wish to suggest changes to the content of this unit standard.