

<b>Title</b>	<b>Perform calculations for manufacturing production processes</b>		
<b>Level</b>	<b>2</b>	<b>Credits</b>	<b>2</b>

<b>Purpose</b>	People credited with this unit standard are able to perform calculations for manufacturing production processes.
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<b>Classification</b>	Manufacturing Skills > Manufacturing Processes
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 Legislation relevant to this unit standard includes but is not limited to: Health and Safety at Work Act 2015.
- 2 Definition  
*Workplace procedures* refer to the procedures used by the organisation carrying out the work and applicable to the tasks being carried out. Examples are – standard operating procedures, safety procedures, equipment operating procedures, codes of practice, quality management practices and standards, and procedures to comply with legislative and local body requirements.
- 3 Assessment information
  - a All activities and evidence must be in accordance with workplace procedures.
  - b Calculators and/or conversion tables may be used to assist in calculations.
  - c Requirements may include but are not limited to – timeliness.

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### Outcomes and performance criteria

#### Outcome 1

Perform calculations for manufacturing production processes.

#### Performance criteria

- 1.1 Product calculations are completed.
 

Range	product calculations may include but are not limited to – metric to imperial and/or imperial to metric conversions, fractions, measurements, weights, volumes, dimensions, tolerances; evidence of two calculation types is required.
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- 1.2 Output rate calculations are completed.

Range output rate calculations may include but are not limited to – addition, subtraction, division, multiplication, percentages, time, averages;  
evidence of two calculation types is required.

1.3 Rejection rate calculations are completed.

Range rejection rate calculations may include but are not limited to – addition, subtraction, division, multiplication, percentages, averages;  
evidence of two calculation types is required.

1.4 Production target progress calculations are completed.

Range production target calculations may include but are not limited to – addition, subtraction, division, multiplication, percentages, time, averages;  
evidence of two calculation types is required.

<b>Planned review date</b>	31 December 2025
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#### Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	26 July 2005	31 December 2012
Revision	2	24 August 2007	31 December 2014
Review	3	18 March 2011	31 December 2023
Review	4	26 August 2021	N/A

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

#### Comments on this unit standard

Please contact Competenz [qualifications@competenz.org.nz](mailto:qualifications@competenz.org.nz) if you wish to suggest changes to the content of this unit standard.