



**Australian Government**

**Assessment Requirements for  
MSMPMC402 Process raw meal into  
product**

**Release: 1**

# Assessment Requirements for MSMPMC402 Process raw meal into product

## Modification History

Release 1. New unit. Supersedes and is equivalent to PMC553010 Process raw meal into product

## Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and:

- processed raw meal into at least 1 product, including:
  - monitoring the following key variables to ensure product integrity and conformance to specification:
    - operating temperatures
    - material feed rate
    - discharge rate
    - material properties and chemical reactions
  - recognising possible causes of the following problems:
    - electrical, mechanical or instrument failure and malfunction
    - raw material variations and contamination
    - kiln quality and optimisation practices
    - types of kiln fuels and reactions
    - process abnormalities
    - procedural errors.
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## Knowledge Evidence

There must be evidence the candidate has knowledge of:

- equipment, including:
  - functions, limitations
  - start-up, operation and shutdown processes
  - impact of equipment settings on product quality and production output
- impact of variations in process conditions and raw materials on product quality and production output
- characteristics of materials being processed and their behaviour in relation to process conditions and stages of production
- quality requirements at each stage of production

- common adjustments in process variables and their impact on product quality and production output
- routine and non-routine problems that may arise, the range of possible causes and appropriate actions
- work health and safety (WHS) requirements relevant to work outcome
- processing hazards and:
  - their possible causes
  - potential consequences
  - risk control procedures.
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## Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
  - kiln, ancillary and supporting equipment
  - materials to be processed
  - specifications, procedures and job sheets
- modelling of industry operating conditions, including:
  - routine and non-routine problems.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

## Links

Companion Volume Implementation Guides are available at VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=d1287d36-dff4-4e9f-ad2c-9d6270054027>