



Australian Government

Assessment Requirements for MSMPMC303 Operate grinding equipment

Release: 1

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Modification History

Release 1. New unit. Supersedes and is equivalent to PMC552003 Operate grinding equipment.

Performance Evidence

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

- set up and operated the grinding equipment according to procedures to grind and distribute materials on at least 1 occasion, including:
 - monitoring the following key variables to ensure product integrity and conformance to specification:
 - process conditions and parameters
 - feed rates
 - temperature
 - moisture
 - recognising possible causes of the following routine problems:
 - raw material variations
 - process problems
 - mechanical abnormalities
 - electrical and instrument reading variations
 - equipment faults, damage or failure.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- grinding process
- equipment and ancillary equipment, including:
 - start-up, operation and shutdown procedures
 - functions and limitations of the grinding system
 - the potential effects of equipment operation in relation to quality of product and output
- types of materials and additives typically subject to grinding and impact on grinding processes
- the potential effects of variations in raw materials in relation to quality of product and output
- routine problems and factors that impact on product quality or production output, their probable causes and relevant corrective actions

- enterprise production schedules
- work health and safety (WHS) requirements relevant to work outcome
- grinding hazards that may arise in the job and work environment and:
 - their possible causes
 - potential consequences
 - risk control procedures.

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:
 - grinding equipment and ancillary equipment
 - materials to grind
 - 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>