



Australian Government

Assessment Requirements for MSMPMC302 Operate equipment to blend/mix materials

Release: 1

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Modification History

Release 1. New Unit. Supersedes and is equivalent to PMC552002 Operate equipment to blend/mix materials.

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 equipment according to procedures to blend or mix materials on at least 1 occasion, including:
 - monitoring the following key variables to ensure product integrity and conformance to specification:
 - process conditions and parameters
 - duration of blend and mix
 - mixing sequence
 - blend and mix tolerance
 - recognising possible causes of the following routine problems:
 - raw material variations
 - process problems
 - mechanical abnormalities
 - electrical or instrument reading variations
 - equipment faults, damage or failure.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- principles of blending or mixing products
- blending and mixing equipment, including:
 - start-up, operation and shutdown processes
 - impact of equipment operation and limitations on mixing efficiency, effectiveness and quality of product
- vibration monitoring
- impact of:
 - blending or mixing on final product
 - variations in product specification on the blending or mixing process
 - variations in raw materials in relation to quality of product
- process used to transform the feed materials into the product

- product specifications and tolerances
- routine problems and factors which may affect product quality or production output, their probable causes and relevant corrective actions
- enterprise production schedules
- blending and mixing 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:
 - blending or mixing equipment and ancillary equipment
 - materials to be blended or mixed
 - 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>