



Australian Government

Assessment Requirements for MSMPMC323 Prepare asphalt

Release: 1

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Modification History

Release 1. New unit. Supersedes and is equivalent to PMC552065 Prepare asphalt

Performance Evidence

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

- prepared asphalt on at least 1 occasion, including:
 - monitoring the following key variables to ensure product integrity and conformance to specification:
 - moisture content
 - temperature
 - feed rates
 - quantity and mix of aggregates, additives and bitumen
 - equipment maintenance and repair needs
 - recognising possible causes of the following routine problems:
 - incorrect quantity of materials
 - contaminated materials and additives
 - wrong raw materials and additives
 - incorrect mixing time and technique
 - equipment faults, damage, failure
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Knowledge Evidence

There must be evidence the candidate has knowledge of:

- principles of mixing asphalt
- types of bitumen, aggregates and additives commonly used and their role
- asphalt mixing equipment including:
 - start-up, operation and shutdown procedures
 - limitations and impact on blending and mixing efficiency and effectiveness
 - the potential effects of equipment operation in relation to quality of product
- the potential effects of variations in raw materials and processes in relation to quality of product
- routine problems and factors which may affect product quality or production output, their probable causes and relevant corrective actions
- sampling and testing procedures and schedule
- asphalt preparation 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:
 - asphalt mixing plant and ancillary equipment
 - raw materials
 - 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>