



Australian Government

Assessment Requirements for MSMPMC321 Batch mix concrete

Release: 1

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Modification History

Release 1. New unit. Supersedes and is equivalent to PMC552060 Batch mix concrete

Performance Evidence

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

- batch mixed concrete on at least 1 occasion, including:
 - monitoring the following key variables to ensure product integrity and conformance to specification:
 - moisture content
 - sand content
 - particle size
 - quantity and mix of materials
 - equipment maintenance or 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:

- AS 1379: Specification and supply of concrete or equivalent
- sampling and testing procedures and schedule
- principles of batch mixing concrete
- batch mixing equipment and ancillary equipment, including:
 - functions, limitations
 - start-up, operation and shutdown processes
 - 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
- batching 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:
 - batching equipment and ancillary equipment
 - materials to be batched
 - 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>