



Australian Government

Assessment Requirements for MSMPMC317 Conduct benching operations

Release: 1

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Modification History

Release 1. New unit. Supersedes and is equivalent to PMC552055 Conduct benching operations

Performance Evidence

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

- conducted benching operations to produce at least 1 work piece, including:
 - monitoring the following key variables to ensure product integrity and conformance to specification:
 - shape
 - dimensions
 - mounting and stability of base
 - placement and stability of reinforcing and fittings
 - supply of casting and finishing materials
 - recognising possible causes of the following routine problems:
 - raw material and mix variations
 - mould anomalies
 - casting and operating conditions
 - process errors.
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Knowledge Evidence

There must be evidence the candidate has knowledge of:

- moulds and their application
- causes and impact of mould wear
- types of faults that can be repaired and related repair methods
- role of reinforcement, types of reinforcement and significance of concrete cover
- the potential effects of variations in raw materials and equipment operation 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
- work health and safety (WHS) requirements relevant to work outcome
- benching hazards:
 - 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:
 - benching moulds, fittings, materials, equipment and ancillary equipment
 - 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>