



Australian Government

Assessment Requirements for MSMPMC308 Operate slip casting equipment

Release: 1

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Modification History

Release 1. New unit. Supersedes and is equivalent to PMC552020 Operate slip casting 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, prepared, operated and adjusted equipment to meet product requirements on at least 1 occasion, including:
 - monitoring the following key variables to ensure product integrity and conformance to specification:
 - slip consistency
 - wall thickness
 - casting time
 - mould condition
 - excess slip
 - recognising possible causes of the following routine problems:
 - raw material variations
 - equipment malfunctions
 - mould abnormalities or deterioration
 - process abnormalities.
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Knowledge Evidence

There must be evidence the candidate has knowledge of:

- principles of slip casting process
- slip casting tools and equipment, including:
 - functions, limitations
 - principles of operation
 - the potential effects of equipment operation in relation to quality of product
- the potential effects of variations in raw materials in relation to quality of product
- methods for determining wall thickness
- 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

- slip casting hazards that may arise in the job and work environment 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:
 - slip casting tools and equipment 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>