



Australian Government

Assessment Requirements for MSMPMC311 Operate a firing kiln

Release: 1

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Modification History

Release 1. New unit. Supersedes and is equivalent to PMC552030 Operate a firing kiln.

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, configured, started and operated the firing equipment according to procedures on at least 1 occasion, including:
 - recognising possible causes of the following routine problems:
 - raw material variations
 - mechanical abnormalities
 - electrical and instrument reading variations
 - process abnormalities.
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Knowledge Evidence

There must be evidence the candidate has knowledge of:

- principles of firing process
- firing tools and equipment, including:
 - functions, limitations
 - principles of operation
- composition and nature of raw materials and finished product
- importance of stacking patterns
- stages and critical transitions during the firing process
- the potential effects of variations in raw materials and process conditions in relation to quality of product and output
- routine problems and factors which may affect product quality or production output, their probable causes and relevant corrective actions
- kiln area 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:
 - kiln and ancillary equipment
 - products to be fired
 - 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>