



Australian Government

**Assessment Requirements for
MSMPMC318 Assemble, fabricate and
place reinforcement**

Release: 1

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Modification History

Release 1. New unit. Supersedes and is equivalent to PMC552056 Assemble, fabricate and place reinforcement

Performance Evidence

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

- assembled, fabricated and fixed reinforcement on at least 1 occasion, including:
 - monitoring the following key variables to ensure product integrity and conformance to specification:
 - shape
 - dimensions
 - dimensional tolerance
 - grade of steel
 - placement of fittings and lifting lugs
 - steel coverage
 - security and stability of fixing reinforcement in place
 - minimum lap sizes
 - recognising possible causes of the following routine problems:
 - raw material variations
 - equipment malfunctions
 - design problems
 - fabrication errors.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- common types and application of reinforcement
- reinforcement equipment, including:
 - functions, limitations
 - principles of operation
 - the potential effects of equipment operation in relation to quality of product
- predicting final shape and dimension based on bar size and type and bend radius
- design factors
- fabrication methods
- validation of test certificates

- reinforcement design drawings
- reinforcement tags
- the potential effects of variations in raw materials 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
- hazards when working with reinforcements 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:
 - reinforcement 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>