



Australian Government

Assessment Requirements for AUMFTA004 Monitor and maintain operation of metal treatment plants

Release: 1

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Modification History

Release	Comment
Release 1	Unit updated to reflect the new standards for Training Packages Replaces AUMFTA3004 Monitor and maintain metals treatment plant operations

Performance Evidence

Before competency can be determined, individuals must have competently monitored and maintained metal treatment plants on a minimum of three occasions.

Individuals must demonstrate they can:

- comply with work health and safety (WHS) requirements and workplace procedures relating to monitoring and maintaining metal treatment operations
- comply with workplace quality requirements
- use metal treatment equipment safely
- monitor and maintain a multi-stage metal treatment plant over five full shifts during which:
 - pre-start checks are conducted according to workplace procedures
 - solutions are maintained to specifications using approved sampling, testing and remedial processes
 - plant operations are maintained to specification
 - product quality is maintained to specification
 - treatment-related metal product faults are rectified
- complete workplace documentation and reporting requirements (some simulation may be required to ensure adequate scope).

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- WHS requirements and workplace procedures relating to operating a metal treatment plant
- metal surface quality requirements for vehicle painting
- metal treatment plant functions, flow systems, control and documentation systems
- common metal treatment plant product faults and defects
- flow control systems and adjustment processes

- basic chemical uses and reactions in relation to the treatment of metals for painting
- testing processes and specifications relating to titration, pressure and coating integrity
- processes for the calculation of material requirements
- key components of paint safety data sheets (SDS)
- procedures for identifying and handling hazardous materials and dangerous goods
- material handling, storage and environmentally compliant waste management processes.

Assessment Conditions

Assessors must satisfy SNR/AQTF assessor requirements.

Competency is to be assessed in the workplace or a simulated environment that accurately reflects performance in a real workplace setting.

Where assessment of competency includes third-party evidence, individuals must provide evidence that links them to the metal treatment plants that they have monitored and maintained, e.g. maintenance work sheets.

Assessors must verify performance evidence through questioning on skills and knowledge to ensure correct interpretation and application.

The following resources must be made available:

- automotive manufacturing workplace or simulated workplace
- metal treatment plant tools, equipment and chemicals
- workplace procedures relating to operating a metal treatment plant
- metal cleaning products
- metal components that require treatment
- metal treatment plant work sheets.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=bd587669-08b3-4cd5-85f0-f9fa0c6304c1>

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