



Australian Government

Assessment Requirements for MEM08003 Perform electroplating operations

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to MEM08003C Perform electroplating operations

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy the requirements of the elements and performance criteria on at least two (2) occasions and include:

- following work instructions, standard operating procedures (SOPs) and safe work practices
- identifying all materials and the process to be used to electroplate products
- preparing all equipment, instrumentation/gauges and materials for the electroplating process
- starting up, operating, monitoring and regulating the electroplating equipment and process
- rectifying process deviations within the operator's scope of control
- inspecting electroplated products to ensure they meet specification.

Knowledge Evidence

Evidence required to demonstrate the required knowledge for this unit must be relevant to and satisfy the requirements of the elements and performance criteria and include knowledge of:

- safe work practices and procedures and use of personal protective equipment (PPE)
- characteristics of a variety of base materials that can be plated
- electroplating process, machine components, treatment solutions and process parameters and operational requirements of all plant and equipment
- electroplating solutions and handling procedures
- electroplating treatment stages and information relevant to plating products, treatment baths and settings
- electroplating pre-treatment, treatments and post-treatments in relation to task requirements
- electroplating equipment checks
- purpose and typical settings of different instruments/gauges
- sequences and requirements involved in moving materials and reasons for rejecting incorrectly loaded work
- the range of adjustments permissible for electroplating operating parameters, including voltage, current and temperature
- common electroplated product faults and imperfections/deviations and adjustments that can be made to suit specific process deviations
- variances in electroplated products that are outside the control of the operator

- effects of rust, corrosion and other contaminants on electroplated products.

Assessment Conditions

- Assessors must:
 - have vocational competency in performing electroplating operations at least to the level being assessed with relevant industry knowledge and experience
 - satisfy the assessor requirements in the *Standards for Registered Training Organisations 2015* or its replacement and comply with the *National Vocational Education and Training Regulator Act 2011*, its replacement or equivalent legislation covering VET regulation in a non-referring state/territory as the case requires
- Where possible assessment must occur in operational workplace situations. Where this is not possible or where personal safety or environmental damage are limiting factors, assessment must occur in a sufficiently rigorous simulated environment that reflects realistic operational workplace conditions. This must cover all aspects of workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills
- Conditions for assessment must include access to all tools, equipment, materials and documentation required, including relevant workplace procedures, product and manufacturing specifications
- Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b7050d37-5fd0-4740-8f7d-3b7a49c10bb2>