



Australian Government

Assessment Requirements for MEM08010 Manually finish/polish materials

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to MEM08010B Manually finish/polish materials

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
- selecting appropriate finishing process, media and equipment to manually finish metal and plastic materials
- installing and setting up grinding and polishing devices and equipment
- assessing the surface condition of materials to determine the necessary finishing treatment
- safely applying techniques, including grinding, brushing and/or polishing to meet specifications.

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)
- surface finishing specifications
- procedures, tools and techniques for fitting and adjusting endless belts on finishing machines
- procedures, tools and techniques required to fit and dress grinding wheels and mops
- procedures tools and techniques for installing and setting up polishing mops
- characteristics of common metals, alloys and plastics relevant to finishing work
- finishing and polishing methods/techniques and the appropriate polishing media to be used in finishing/polishing for different types of materials
- effect of different types and grades of polishing media on the surface finish
- reasons for selecting a specific method/technique
- common surface imperfections/defects and how they can be removed/repaired by manual finishing/polishing procedures
- procedures for handling components with surface imperfections/defects that cannot be removed/repaired
- methods and techniques to check for conformance to finishing specifications.

Assessment Conditions

- Assessors must:
 - have vocational competency in manually finishing and polishing materials 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>