



Australian Government

Assessment Requirements for MEM05037

Perform geometric development

Release: 1

Assessment Requirements for MEM05037 Perform geometric development

Modification History

Release 1. Supersedes and is equivalent to MEM05037C Perform geometric development

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
- examining detailed drawings for fabrication requirements and specifications, including materials, measurements and tolerances, joining methods, standards and code requirements
- calculating allowances for fabrication and assembly
- establishing and marking datum points
- selecting and using parallel line, radial line and triangulation development methods with minimum material wastage and accurate dimensions
- producing templates accurately and following storage procedures.

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)
- specifications of work
- tools and equipment
- development preparation, methods and application
- datum points
- materials used for the preparation of templates
- manufacturing allowance considerations
- template development, labelling, identification and storage requirements
- fabrication and assembly allowances
- sources of data on fabrication and relevant standards and codes.

Assessment Conditions

- Assessors must:
 - have vocational competency in performing geometric development 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.
- Assessment must include evidence of 240 hours of workplace practice associated with the skills of this unit in a functioning workplace.
- All aspects of competent application of the unit must be addressed including prerequisite competency units and associated workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills.
- Knowledge assessment may be either verbal or written but must adequately reflect the knowledge requirements of the unit and its prerequisites in a functioning workplace.
- 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.education.gov.au/Pages/TrainingDocs.aspx?q=b7050d37-5fd0-4740-8f7d-3b7a49c10bb2>