



Australian Government

**Assessment Requirements for MEM26013
Select and use composite processes or
systems appropriate for product**

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to MEM26013A Select and use composite process or systems appropriate for product

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 and interpreting specifications, formulas/recipes, batch sheets for selecting and using composite processes or systems appropriate for product
- considering all reasonably available processes in selecting and choosing the appropriate processes or systems, including technical, practical, cost and sustainability criteria
- fabricating a sample and conducting/organising relevant test and evaluating the test results and making any required changes, as appropriate
- fabricating the final product using selected process and minimising waste in accordance with specifications
- identifying areas for improvement and taking appropriate action
- completing all documentation and reports, including items requiring further action, in accordance with SOPs.

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)
- current state/territory work health and safety (WHS) legislation, standards and codes of practice relevant to using composite processes or systems appropriate for product
- cost analysis for each process to select best process
- technical standards/suitability
- mechanical stresses
- life cycle assessment for each process
- ease of manufacture
- testing criteria
- failure modes effects analysis (FMEA)
- typical applications of each major type of process, strengths and weaknesses
- grid analysis

- hazards and the hierarchy of hazard control measures
- product characteristics design requirements.

Assessment Conditions

- Assessors must:
 - have vocational competency in selecting and using composite process or systems appropriate for product 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>