



Australian Government

MEM26020 Identify and interpret required standards for composites

Release: 1

MEM26020 Identify and interpret required standards for composites

Modification History

Release 1. Supersedes and is equivalent to MEM26020A Identify and interpret required standards for composites

Application

This unit of competency defines the skills and knowledge required to identify and select relevant standards for a job that may be relevant to the redesign of an existing product (e.g. using a different process), the design of a new product similar to an existing product, or the undertaking of a repair.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Band: A

Unit Weight: 4

Pre-requisite Unit

MEM13015	Work safely and effectively in manufacturing and engineering
MEM16006	Organise and communicate information

Competency Field

Composites

Elements and Performance Criteria

Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1 Determine job requirements	1.1 Follow standard operating procedures (SOPs)
	1.2 Comply with work health and safety (WHS) requirements at all times
	1.3 Review available standards
	1.4 Identify and select the appropriate standard that may

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

have relevance to the job

1.5 Interpret standard and application of standard to the job

1.6 Compile specifications which will ensure job meets standard

2 Undertake required work

2.1 Ensure procedures will produce a product which meets standard

2.2 Ensure any required testing/metrics gathering is undertaken

2.3 Monitor production to ensure it complies with the procedures and minimise waste

3 Check conformance to standard, as required

3.1 Check final product complies with the standard, as required

3.2 Identify areas for improvement and take appropriate actions

3.3 Complete any required documentation/reporting according to SOPs

Foundation Skills

This section describes those required skills (reading, writing, oral communication and numeracy) that are essential to workplace performance in this unit of competency.

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

This field allows for different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

Standards include one (1) • Australian Standards (AS)

This field allows for different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

or more of the following:

- International Standards Organisation (ISO)
- original equipment manufacturer (OEM) specifications
- Civil Aviation Safety Authority (CASA)
- Department of Defence (DoD)
- Australian Design Rules (ADR)

Unit Mapping Information

Release 1. Supersedes and is equivalent to MEM26020A Identify and interpret required standards for composites

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for MEM26020 Identify and interpret required standards for composites

Modification History

Release 1. Supersedes and is equivalent to MEM26020A Identify and interpret required standards for composites

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 and batch sheets for identifying and interpreting required standards for composites
- considering all reasonably standards when selecting and choosing the appropriate standard
- undertaking required work and monitoring production to ensure it complies with the procedures
- 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
- the hierarchy of standards vs guidance vs voluntary codes
- relevant standards
- interpretation of standards
- evidence to support meeting of standard
- accessing standards
- copyright of Australian Standards
- using standards.

Assessment Conditions

- Assessors must:
 - have vocational competency in identifying and interpreting required standards for composites 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>