



Australian Government

Assessment Requirements for MSTTD5003 Design and produce woven products

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to LMTTD5003A Design and produce woven products

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy the requirements of the elements and performance criteria, and include:

- reading and following work instructions, standard operating procedures (SOPs), safe work practices
- analysing and interpreting design brief
- developing design to meet design brief and in line with principles of design and product purpose
- using communication tools to present woven design for feedback
- evaluating and modifying designs
- determining production requirements
- producing at least two (2) woven design products to meet design specifications
- using a variety of yarn types
- testing accuracy of weaving pattern
- evaluating quality and addressing design and production problems
- evaluating quality, identifying faults, addressing design and production problems and determining opportunities for improvement
- documenting process and improvements.

Knowledge Evidence

Evidence must be provided that demonstrates knowledge of:

- safe work practices and procedures and use of personal protective equipment (PPE)
- elements of woven design:
 - line
 - shape and silhouette
 - colour
 - texture
 - value
- principles of design:
 - repetition
 - gradation
 - rhythm

- radiation
- harmony
- contrast
- dominance
- proportion
- balance
- unity
- characteristics of yarns
- information resources on fibres and fabrics
- computer-aided design (CAD) applications
- weaving modification techniques
- weaving loom techniques
- weaving looms and equipment
- typical fault conditions:
 - incorrect warp tension
 - broken warp threads
 - incorrect beating of weft
 - incorrect threading, tie-up, treadling of design
 - incorrect use of materials
 - incorrect use of equipment
 - holes
 - foreign matter
 - creasing
 - lines
 - runs
- fault-finding procedures
- types and styles of woven fabrics
- simple equipment maintenance techniques
- specification sheets:
 - budget
 - type of product
 - style requirements (yarns, fibres and colours)
 - application
 - timeline
 - design restrictions or conditions
 - yarn costs
 - weight and drape of fabric
 - colour ways
 - fashion trends
- communication tools:

- inspiration board
- storyboard
- design concepts
- research information
- multimedia tools
- yarn samples
- colour chips
- colour and fashion forecasting references
- illustrations
- production sketches
- quality practices
- workplace procedures
- recording and reporting practices.

Assessment Conditions

- Assessors must:
 - satisfy the assessor competency requirements that are in place at the time of the assessment, as set by the VET regulator
 - have vocational competency in designing and producing woven products, at least to the level being assessed, with relevant industry knowledge and experience.
- Assessment should 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 reflecting 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.
- 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.
- Conditions for assessment must include access to all tools, equipment, materials and documentation required, including relevant workplace procedures, product and manufacturing specifications associated with this unit.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a203ec5c-de7d-406b-b3e1-8f1a9b76e92e>