



Australian Government

**Assessment Requirements for MSTTD6002
Apply electronic systems to textile design
and production**

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to LMTTD6002A Apply electronic systems to textile design and production

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 and safe work practices
- applying design process to interpret design brief, researching trends, themes and influences and producing intricate designs to scale using at least two (2) electronic systems
- producing design image output that accurately documents intricate design features, scale and dimension and incorporates design elements
- developing and presenting storyboards to client or appropriate personnel for review, using computer-aided design (CAD) processes
- presenting design to client or appropriate personnel for review and making modifications
- determining design specifications and machine settings
- using CAD to calculate yarn and material requirements, confirm specifications and produce patterns
- calculating machine settings and calibrating with direct interface to textile production machinery where appropriate
- confirming design and specifications with client or production personnel and saving modifications, where necessary
- finalising and saving production plans and specifications
- saving final design and specifications as hard copy and incorporating into digital folio.

Knowledge Evidence

Evidence must be provided that demonstrates knowledge of:

- safe work practices and procedures and use of personal protective equipment (PPE)
- industry and product processes
- product and process development procedures
- specifications:
 - warp and weft settings
 - numbers of shafts and treadles
 - block and mirror selection
 - thread instructions

- scale
- yarn specifications
- colour allocation
- colourways
- shaping
- structure
- principles and elements of design
- CAD system applications and operation
- networked computer operation
- associated computer input and output devices
- patternmaking processes
- textile production processes and practices
- textile production machinery
- operation of interfaced machinery settings
- quality standards and 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 applying electronic systems to textile design and production, 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>