



Australian Government

Assessment Requirements for MSTTD5009 Produce printed designs on woven and non-woven substrates

Release: 1

Assessment Requirements for MSTTD5009 Produce printed designs on woven and non-woven substrates

Modification History

Release 1. Supersedes and is equivalent to LMTTD5011A Produce printed designs on woven and non-woven substrates

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
- interpreting design brief to identify desired effects of screen printing, and selecting appropriate printing techniques, tools and equipment
- performing screen printing techniques to meet design specifications and achieve design effects and according to workplace procedures, on at least two (2) occasions
- checking completed print meets design specifications and quality standards, and identifying printing faults and production problems, and their causes
- applying necessary modifications to printing techniques, processes or materials and confirming outcomes with appropriate personnel
- completing required documentation.

Knowledge Evidence

Evidence must be provided that demonstrates knowledge of:

- safe work practices and procedures and use of personal protective equipment (PPE)
- characteristics of fabrics
- information resources on fibres and fabrics
- specific design and printing practices
- screen printing tools and equipment:
 - squeegees
 - blocks
 - lino
 - brushes
 - knives
 - bucket, sink or container
 - mixers
 - rulers and tape measures
 - screen-cleaning equipment and chemicals
 - vacuum boards

- carousel
- printing tables with registration systems
- vacuum print tables
- exposure unit
- scales high pressure hose
- screen coaters
- fans
- blow dryers
- light box
- slide projector
- overhead projector
- photocopier
- computer equipment
- computer-aided design (CAD) software
- printing processes and practices
- different types of screens and meshes
- different types of medium:
 - inks
 - dyes
 - specialist inks
 - binders
 - extenders
 - reducers
 - additives
 - evaporative
 - catalytic
 - thermoset
 - sublimation
- woven and non-woven substrate characteristics:
 - knits
 - felt
 - ceramic
 - vinyl
 - wool
 - silk
 - cotton
- stencil and printing techniques and problems
- printing problems and production faults:
 - uneven screen coating
 - incorrectly stretched screen mesh

- poorly registered print
- inaccurate repeat measurements
- poor squeegee action
- insufficient print paste used
- off printing
- poor preparations of substrates
- inappropriate fixing of dyes and pigments
- poorly exposed screen
- poor quality colour separations
- 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 producing printed designs on woven and non-woven substrates, 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>