



Australian Government

Assessment Requirements for MSTTX2008 Operate a machine for complex production operations

Release: 1

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Modification History

Release 1. Supersedes:

- LMTTX2002B Prepare yarn for textile manufacturing
- LMTTX2003B Perform spinning operations
- LMTTX2004B Perform tufting operations
- LMTTX2005B Perform creeling operations
- LMTTX2006B Operate a weaving loom
- LMTTX2008B Apply finishing processes to textile production
- LMTTX2010B Load and operate dyeing equipment
- LMTTX2016B Perform knotting for weaving operations
- LMTTX2018B Re-start machine after stoppage

Not equivalent

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
- applying relevant standards
- coordinating preparations to confirm specifications, and prepare materials and equipment to meet requirements for production and follow workplace procedures
- checking specifications and machine safety equipment and reporting any faults
- loading and unloading materials according to machine and workplace procedures
- starting, operating, stopping, and monitoring complex production operations on one or more machines or machine types on at least three (3) occasions, in accordance with manufacturer requirements, to produce textile material or product
- using initiative, judgement and discretion to monitor process and make machine adjustments in response to non-major and non-routine problems to maintain quality output
- reporting major machine or product faults
- using initiative, judgement and discretion to identify non-conforming raw materials/yarns/fabrics and maintain material quality
- using initiative, judgement and discretion to monitor output and respond to non-routine problems
- despatching product to next process according to production sequence and following operations
- recognising and raising awareness of risks and potential hazards

- applying workplace procedures
- maintaining accurate records.

Knowledge Evidence

Evidence must be provided that demonstrates knowledge of:

- safe work practices and procedures and use of personal protective equipment (PPE)
- relevant Australian Standards
- one or more machines or machine types associated with textile production in an identified context, and the type of product they produce. Machine type may be selected from those listed in the following groups:
 - machines for knitting:
 - circular knitting machines
 - electronic and automatic flat knitting machines
 - machines for spinning:
 - spinning machines
 - drawing machines
 - roving machines
 - twisting machines
 - winding machines
 - carding machines:
 - burr handling systems
 - air filtration equipment
 - combs
 - doffer waste system
 - blending systems
 - compressed air and hydraulic systems
 - tufting looms:
 - winding machines
 - finishing equipment
 - other ancillary equipment
 - weaving machines:
 - weaving looms
 - broadloom
 - narrowloom
 - all shuttle types
 - Jacquard looms
 - microprocessor or computer controlled looms
 - dyeing machines
 - finishing machines

- procedures and guidelines for safe operation of machinery
- material or product requirements for multiple machinery operation
- operational sequence of machinery and stages of operation
- textiles and products produced by textile production machines
 - fibres, including polyester, cotton, wool, viscose and rayon
 - yarns, including ring spun, open-ended spun, air jet spun and friction spun
 - fabrics
 - finished products, including socks, sweaters, towels, sheets, blankets, carpets, rope and twine, mops and industrial textiles
- typical fault conditions and related fault-finding procedures
- details of materials and processes associated with preparing the machine for production
- types and characteristics of fibres, threads, yarns and other materials required for textile operations
- characteristics of quality and substandard products
- machinery maintenance and repair techniques
- procedures for checking, reporting and re-starting after stoppage
- finishing processes
- technical specifications manuals
- quality standards and practices
- standards for clean and tidy working environment
- work health and safety (WHS) hazards and risks
- appropriate handling of waste
- 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 operating a machine for complex production operations, 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>