



Australian Government

MSTAT4021 Produce woven textile samples

Release: 1

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Modification History

Release 1. Unit Code and Application changed. Element 1 removed. Foundation Skills field populated. Range of Conditions removed with relevant information moved to Knowledge Evidence. Assessment Requirements clarified with generic foundation skills statements moved to appropriate section and duplication with Performance Criteria removed. Supersedes and is equivalent to MSTTD4003 Produce woven textile samples.

Application

This unit describes the skills and knowledge required to interpret design specifications and use weaving looms to produce sample woven products. Samples may be complete or partially completed items.

This unit applies to individuals producing work based on a pre-determined design. They use judgement and problem-solving to select and troubleshoot processes to achieve quality outcomes.

No licensing or certification requirements exist at the time of publication. Relevant legislation, industry standards and codes of practice within Australia must be applied.

Pre-requisite Unit

Nil

Competency Field

Apparel and Textile Production

Elements and Performance Criteria

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Establish requirements for woven textile samples	1.1 Analyse design specifications and pattern for woven product and discuss with appropriate personnel to confirm production requirements 1.2 Identify desired effects of weaving and select appropriate weaving technique to achieve required outcome 1.3 Select yarns, quantities and equipment according to design requirements
2. Produce woven	2.1 Set up workstation, tools and equipment according to specifications

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
design samples	for work 2.2 Check yarns to be woven against quality standards 2.3 Undertake weaving techniques to meet design specifications for samples and in accordance with workplace procedures 2.4 Monitor weaving techniques and outcomes throughout to identify production faults
3. Check quality of sample	3.1 Check completed samples against design specifications and pattern to ensure quality standards are met 3.2 Identify weaving faults and production problems and determine causes 3.3 Analyse weaving process, technique and materials used to determine necessary modifications to weaving techniques, processes or patterns
4. Complete production process	4.1 Rectify weaving faults and production problems or reproduce samples according to modifications 4.2 Finish woven samples according to design specifications 4.3 Examine outcomes with appropriate personnel and discuss and document possible modifications to design 4.4 Complete required documentation

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

- Reading skills to interpret design specifications
- Oral communication skills to discussion requirements and production issues with others
- Numeracy skills to work with basic mathematical operations and measurement concepts.

Other foundation skills essential to performance are explicit in the performance criteria of this unit.

Unit Mapping Information

Supersedes and is equivalent to MSTTD4003 Produce woven textile samples.

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for MSTAT4021 Produce woven textile samples

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Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and demonstrated the ability to:

- produce at least two different woven samples according to design specifications.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- safe work practices and procedures and use of personal protective equipment
- types and styles of woven fabrics
- production requirements, including:
 - tension
 - colour
 - pattern
- weaving modification techniques
- weaving loom techniques, including:
 - block weaves
 - hatchings
 - inlay
 - leno
 - plain weave
 - rya
 - satin or sateen weave
 - soumak
 - Spanish lace
 - twill weave
 - warp faced weaves
 - weft faced weaves
 - wrapped ends

- yarn types and characteristics, including:
 - singles yarns
 - plied yarns
 - cotton
 - hand spun
 - metallics
 - novelty
 - nylon filament
 - rag strips
 - ribbon
 - rovings
 - silk
 - silk tops
 - synthetics
 - unspun fleece
 - wool
- fault-finding procedures, typical fault conditions and how to rectify, including:
 - broken warp threads
 - foreign matter
 - holes
 - incorrect beating of weft
 - incorrect threading, tie-up, treadling of design
 - incorrect use of equipment
 - incorrect use of materials
 - incorrect warp tension
 - loom or equipment faults
- simple weaving equipment maintenance techniques
- quality practices
- recording and reporting practices for weaving operations.

Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
 - design specifications
 - weaving materials, tools and equipment
 - workplace procedures.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

Links

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