



Australian Government

MSTTF2009 Identify and select canvas and sail materials

Release: 1

MSTTF2009 Identify and select canvas and sail materials

Modification History

Release 1. Supersedes and is equivalent to LMTTF2009A Identify and select canvas and sail materials

Application

This unit of competency covers the skills and knowledge required to identify and select appropriate materials to use in the manufacture of canvas or sail products.

This unit of competency applies to identifying, selecting and handling materials, and checking stock availability. Work may involve interaction with other people in the workplace including supervisors and production personnel. Work may be conducted in operational indoor or outdoor workplaces

Work may be conducted in small to large scale enterprises and may involve individual and team activities. Work is performed within defined procedures under direct supervision.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Competency Field

Textile fabrication

Unit Sector

Not applicable

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

1 Determine job requirements

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|-----|---|
| 1.1 | Follow standard operating procedures (SOPs) |
| 1.2 | Comply with work health and safety (WHS) requirements at all times |
| 1.3 | Use appropriate personal protective equipment (PPE) in accordance with SOPs |

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|---|-----------------------------------|-----|--|
| | | 1.4 | Identify job requirements from specifications, drawings, job sheets or work instructions |
| 2 | Identify materials | 2.1 | Identify materials by appearance, texture, density, stock labels and product codes |
| | | 2.2 | Check stock labels or tags against product codes and manufacturer specifications to confirm correct identification |
| | | 2.3 | Read and apply workplace procedures and instructions |
| 3 | Select materials | 3.1 | Select materials in accordance with job specifications, fitness for purpose and work order instructions |
| | | 3.2 | Check materials stocks to ensure sufficient quantities of materials are available to meet job requirements |
| | | 3.3 | Check materials to ensure they conform to specifications, descriptions and relevant quality standards |
| 4 | Handle and store materials | 4.1 | Follow appropriate WHS practices and work procedures when examining stock in racks or shelves |
| | | 4.2 | Follow safe working practices when handling or moving stock |
| | | 4.3 | Use appropriate lifting equipment to lift heavy or awkward loads |
| | | 4.4 | Use appropriate posture and lifting techniques for manual handling of materials |
| | | 4.5 | Seek assistance in handling materials when necessary |
| | | 4.6 | Store materials in accordance with workplace procedures and manufacturer recommendations |

Foundation Skills

This section describes those required skills (language, literacy and numeracy) that are essential to performance.

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

This field allows for different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

Workplace procedures include one or more of the following:

- requirements prescribed by legislation, awards, agreements and conditions of employment
- SOPs
- work instructions
- oral, written and visual communication
- quality practices, including responsibility for maintenance of own work quality and contribution to quality improvement of team or section output
- housekeeping
- tasks related to environmental protection, waste disposal, pollution control and recycling
- WHS practices

Australian Standards include:

- the relevant industry or Australian Standards that are current at the time this unit is being undertaken

Materials include the following:

- fibres and yarns used in canvas and sail making
- ropes
- dacron, nylon and composite sail cloths
- attachments (metal and non-metal)
- adhesives

WHS practices

WHS practices include hazard identification and control, risk assessment and implementation of risk reduction measures specific to the tasks described by this unit, and include one or more of the following:

- manual handling techniques
- SOPs
- PPE

- safe materials handling
- taking of rest breaks
- ergonomic arrangement of workplaces
- following marked walkways
- safe storage of equipment
- housekeeping
- reporting accidents and incidents
- environmental practices

Unit Mapping Information

Release 1. Supersedes and is equivalent to LMTTF2009A Identify and select canvas and sail materials

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 MSTTF2009 Identify and select canvas and sail materials

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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
- locating and interpreting technical information about materials used in the canvas and sail making industry
- identifying at least five (5) examples of materials by appearance, texture, density and other relevant characteristics
- interpreting and applying work orders, materials specifications and instructions for storage, handling and use
- correctly identifying and handling at least five (5) textile materials used in the canvas and sail making industry
- selecting appropriate materials to meet specified job requirements
- complying with all relevant safety requirements including safe handling and storage of materials
- storing materials according to product requirements and workplace procedures.

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
- product construction principles and methods
- characteristics of a wide range of materials used in the canvas and sail industry
- industry applications of various materials
- relative advantages and disadvantages of various materials for particular applications
- joining characteristics of various materials
- materials labelling principles and practices, including 'care' labelling
- standard industry practices for storage and handling of materials
- relevant materials quality standards
- work health and safety (WHS) and environmental requirements of relevant industry and workplace procedures

- general housekeeping policies and procedures
- quality practices
- workplace procedures.

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 identifying and selecting canvas and sail materials, 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.

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