



Australian Government

MSTTF3007 Manufacture textile structures

Release: 1

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Modification History

Release 1. New unit

Application

This unit of competency covers the skills and knowledge required to fabricate and install outdoor protective textile covers to suit a range of purposes. The fabricated product may be designed to standard or customised requirements to fit a vehicle, building or frame structure.

The unit of competency applies to the design, marking out, manufacturing and fitting of the finished textile product. Discretion and judgement may be required, for both self and others, in planning and selecting processes, procedures or outcomes.

Work may be conducted in a variety of environments, such as workshops and various on-site locations and may also involve individual and team activities.

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	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
		1.4	Identify job requirements from specifications, drawings,

job sheets or work instructions

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| 2 | Set up and plan job sequence | 2.1 Plan task sequence and estimate time required to complete operations |
| | | 2.2 Consult with supervisor or client to confirm and clarify production requirements |
| | | 2.3 Determine materials, hardware and attachments required and calculate quantities |
| | | 2.4 Determine and prepare appropriate workspace to conduct production process |
| | | 2.5 Identify and set up all appropriate tooling and equipment |
| 3 | Carry out fabrication process | 3.1 Operate equipment according to relevant SOPs |
| | | 3.2 Lay out, mark and cut material to suit design and shape of product |
| | | 3.3 Fabricate product using sewing, welding or gluing |
| | | 3.4 Fit required attachments according to job specifications |
| | | 3.5 Inspect product for quality or defects prior to installation |
| | | 3.6 Complete work systematically with attention to detail without damage to goods and equipment |
| 4 | Fit or install fabricated product | 4.1 Set up appropriate installation tooling and equipment |
| | | 4.2 Install product according to job specifications |
| | | 4.3 Inspect finished product to identify and make good any defects or minor adjustments |
| | | 4.4 Clean and restore workspace, tools and equipment and maintain records, according to workplace procedures |
| | | 4.5 Comply with workplace procedures relating to environmental protection, waste disposal, pollution control and recycling |

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
- PPE
- 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 requirements

Australian Standards include:

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

Outdoor textile structures include one or more of the following:

- vehicles coverings
- shade sails
- awnings
- marine canopies
- blinds
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Materials, hardware and attachments include one or more of the following:

- textiles
- canvas
- turnbuckles
- poles
- posts
- wire

- metal or aluminium frames
- tensioning hardware

Unit Mapping Information

Release 1. New unit

Links

Companion Volume implementation guides are found in VETNet -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a203ec5c-de7d-406b-b3e1-8f1a9b76e92e>