MSTGN2011 Identify fibres, fabrics and textiles used in the TCF industry

Release: 1

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Modification History

Release 1. Supersedes:

- LMTCL2003B Identify fibres and fabrics
- LMTTX2001B Identify fibres, yarns and textile materials and their uses in textile production

Not equivalent

Application

This unit of competency covers the skills and knowledge required to identify fibres, yarns, fabrics and textile materials and how they are used in the construction of garments and accessories and in textile production processes.

The unit of competency applies to a range of natural and synthetic materials which may be used for knitted, woven, spun, tufted or non-woven products. While the unit relates to a comprehensive coverage of textile, clothing and footwear (TCF) materials, evidence may be contextualised to a sector or workplace.

The unit of competency applies to work conducted in all clothing design, production and merchandising, and textile production and finishing processes using fibres, yarns and textile materials.

This unit of competency is applicable to all sectors of the TCF industry.

Work may be conducted in small to large scale enterprises and may involve individual and team related activities.

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

Pre-requisite Unit

Nil

Competency Field

Generic

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
2	**Distinguish types of TCF materials**	2.1	Recognise types of fibres and yarns, fabrics and textile materials used in the manufacture of clothing and textile products
		2.2	Identify methods of distinguishing and identifying fibres, yarns or textile materials
		2.3	Identify common and emerging fabrics used in the garment industry
		2.4	Identify processes used on raw fibres, basic processed yarns or finished yarns to create textiles
		2.5	Identify generic and trade names for common fabrics and textile materials
3	**Identify characteristics of fabrics**	3.1	Identify fibres used in construction of a variety of fabrics
		3.2	Identify construction processes of a range of fabrics
		3.3	Examine a range of fabric types and identify physical and visual qualities
		3.4	Identify generic and trade names for common fabrics and textile materials
4	**Distinguish**	4.1	Identify the purposes of processing stages

methods of constructing fabric and textile material	4.2	Distinguish basic processes of spinning fibres into yarns or processing yarns into knitted, woven or non-woven textile material
	4.3	Identify textile product construction processes
	4.4	Identify uses of different types of fibres and yarns and their effects on finished products
5	**Identify uses of fabrics and textiles**	5.1	Identify common uses of a variety of fabrics and labelling requirements
		5.2	Identify a range of textile products and their end uses and labelling requirements
		5.3	Identify methods of measuring fabric and textile material quality in an identified workplace
		5.4	Identify the impact of quality on production processes

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:	• Australian/New Zealand Standard *AS/NZS 1957:1998 Textiles - Care labelling* applies to this unit at the time of publication. • the relevant industry or Australian Standards that are current at the time this unit is being undertaken
Fibres and yarns include, but are not limited to:	• natural fibres, such as cotton, wool, silk and linen • synthetic fibres, such as polyamide, polyester, acrylic, lycra, rayon and acetate
Fabrics and textiles include, but are not limited to:	• natural and synthetic single yarn fabrics and blends • knitted fabrics, including weft knits and warp knits • woven fabrics, including plain, twill, satin, dobby, jacquard and pile • non-woven fabrics, such as felts, nets, braids, bonded and composite • emerging smart fabrics
Construction processes include, but are not limited to	• spinning • knitting • weaving • blending • fusing • bonding • finishing

Unit Mapping Information

Release 1. Supersedes:

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- LMTTX2001B Identify fibres, yarns and textile materials and their uses in textile production

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Links

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