



Australian Government

MSTGN4008 Analyse product and determine machine settings

Release: 2

MSTGN4008 Analyse product and determine machine settings

Modification History

Release 2. Supersedes and is Not equivalent to LMTGN4006A Evaluate equipment and systems

Release 1. Supersedes and is equivalent to LMTGN4008A Analyse product and determine machine settings

Application

This unit of competency covers the skills and knowledge required to identify and specify product and material characteristics and to specify machine settings and modifications for product change.

The unit of competency applies to examining sample material and product characteristics and determining machine settings or modifications that are required.

This unit of competency is applicable to all sectors of the textiles clothing and footwear (TCF) industry.

Work may involve discretion and judgment, for both self and others, in planning and selecting processes, procedures or outcomes.

Products and materials include those typically used within each sector of the TCF industry.

Work may be conducted in small to large scale enterprises and may 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

Generic

Unit Sector

Not applicable

Elements and Performance Criteria

Elements

Elements describe the

Performance criteria

Performance criteria describe the performance needed to

essential outcomes.		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	Prepare to determine machine settings	2.1	Analyse pattern or product specifications
		2.2	Prepare and use measuring or testing equipment to identify characteristics or specifications of product and material
		2.3	Analyse product and material specifications to determine production parameters
3	Analyse machine requirements	3.1	Determine machine requirements and limitations relative to required specifications
		3.2	Determine machine WHS requirements
		3.3	Translate product and material specifications into machine settings and configurations
4	Specify machine settings and modifications	4.1	Establish modification requirements to meet workplace procedures and specified outcomes and seek approval, where required
		4.2	Assess modifications or adaptations in accordance with relevant procedures and specifications
		4.3	Evaluate machine modifications and confirm they meet requirements
		4.4	Check machine settings and modifications against specification prior to machine setting
		4.5	Record machine settings and modifications and

communicate them to appropriate team members

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

Machine settings include, but are not limited to, one or more of the following:

- mechanical devices and tools, such as cams, gears, trip tags and pin boards
- microprocessor and computer-controlled machine settings

Unit Mapping Information

Release 2. Supersedes and is Not equivalent to LMTGN4006A Evaluate equipment and systems

Release 1. Supersedes and is equivalent to LMTGN4008A Analyse product and determine machine settings

Links

Companion Volume implementation guides are found in VETNet -

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