



Australian Government

Department of Education, Employment and Workplace Relations

LMTGN4009A Set and modify machines for product change

Revision Number: 1

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Modification History

Not applicable.

Unit Descriptor

Unit descriptor This unit covers the skills and knowledge required to set and modify machines for production change.

Application of the Unit

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This unit applies to the modification, customisation and setting of machines for product change working largely independently and being accountable for own results including carrying out assigned tasks, coordinating processes, and setting and working to deadlines. Work may be conducted in a variety of environments, such as operational workplace activities, restricted space and hazardous, controlled or exposed conditions.

Products and materials include those typically used within each sector of the Textile, Clothing, Footwear and Allied industry sectors including: various textile production sectors:

- early stage wool processing
- hide, skin and leather production
- canvas fabrication
- leather goods production
- clothing production
- millinery
- footwear production
- laundries
- dry cleaning

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

The unit is applied according to OHS and workplace practices of the enterprise, which may include:

- requirements prescribed by legislation, awards, agreements and conditions of employment
- standard operating procedures
- 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

This unit requires the application of skills associated with communication in the interpretation and documentation of technical information, and planning and organising machine sequencing set up and modification for production. Initiative and enterprise and problem solving will be used to check sample and readjust or confirm machine modifications or settings.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Prerequisites

Employability Skills Information

Employability Skills This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Not applicable.

Elements and Performance Criteria

ELEMENTS	PERFORMANCE CRITERIA
1 Check specifications	1.1 Specifications for setting, modification or customisation of machines and equipment are reviewed and confirmed against product and machine specifications, as required
2 Modify and or set machine/s	2.1 Safe working practices are understood and implemented 2.2 Machine sequencing set up and modification is implemented in accordance with product specifications, manufacturers' instructions and workplace practices 2.3 Pre-operation adjustments are assessed to specifications and operational requirements
3 Conduct sample or trial runs	3.1 Material to be used for sampling or trailing is obtained and arranged 3.2 Machine is operated in accordance with manufacturer and workplace requirements 3.3 Machine performance is monitored against operational requirements 3.4 Sample of product is manufactured using new settings
4 Check sample and/or organise quality testing	4.1 Sample is checked in accordance with workplace practices to ensure standards are met 4.2 Quality testing is assessed or organised as required
5 Readjust or confirm machine modifications and or settings to meet requirements	5.1 Test results are interpreted to determine machine modification and setting adjustment requirements 5.2 Machine adjusts are made in accordance with product and machine specifications 5.3 Records and documentation of machine and product specifications are maintained using established workplace practices
6 Instruct machine operator	6.1 Machine operator is instructed, if necessary, on settings, machines operations and any required OHS practices

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

This describes the essential skills and knowledge and their level, required for this unit

Demonstrates knowledge of:

- machine and equipment operation
- machine modification, setting and adjustment requirements
- technical specifications manuals
- safety and environmental aspects of relevant workplace processes
- maintenance planning and workplace procedures
- OHS practices, including hazard identification and control measures
- quality practices
- workplace practices
- recording and reporting practices

Demonstrates skills to:

- interpret technical data
- set, adjust and operate machines
- test and analyse samples
- use and dispose of a range of chemical cleaning agents, sealants and lubricants, where required
- document, assess and transfer information
- read, interpret and follow information on work specifications, , standard operating procedures and work instructions and other reference material
- maintain accurate records
- communicate within the workplace
- sequence operations
- meet specifications
- clarify and check task-related information
- carry out work according to OHS practices

Evidence Guide

The Evidence Guide provides advice on assessment and must be read in conjunction with the Employability Skills Statement, Elements and Performance Criteria, Range Statement and Assessment Guidelines for this Training Package.

Critical aspects of evidence to be considered	Demonstrates skills and knowledge to: <ul style="list-style-type: none">• interpret specifications for machine settings• interpret specifications for machine modification/customisation• operate and adjust machines correctly• arrange or conduct quality testing of sample/s• analyse samples or test results• maintain accurate records• apply OHS practices in work operations
Consistency in performance	Consistently applies skills and knowledge when: <ul style="list-style-type: none">• organising work• completing tasks• identifying improvements• using workplace practices• using OHS practices• recording and reporting accidents and incidents• assessing operational readiness of equipment used and work processes• recognising and adapting to cultural differences in the workplace, including modes of behaviour and interactions• completing work systematically with attention to detail without damage to goods and equipment
Resource implications	Access is required to real or appropriately simulated situations, including work areas, materials and equipment, and to information on workplace practices and OHS practices.
Context for assessment	Assessment may occur on the job or in an appropriately simulated environment.
Interdependent assessment	This unit may be assessed independently or in combination with other relevant units.

Range Statement

RANGE STATEMENT

The Range Statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the Performance Criteria, is detailed below. Add any essential operating conditions that may be present with training and assessment depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts.

Legislative/regulatory requirements All work must comply with relevant Federal and State or Territory legislative or regulatory requirements.

Machine sequences can include:

- mechanical devices and tools such as:
- cams
- gears
- trip tags
- pin boards
- patterns and programs for use on microprocessor and computer controlled machines

OHS practices OHS practices must include hazard identification and control, risk assessment and implementation of risk reduction measures specific to the tasks described by this unit, and may include:

- manual handling techniques
- standard operating procedures
- personal protective equipment
- safe materials handling
- taking of rest breaks
- ergonomic arrangement of workplaces
- following marked walkways
- safe storage of equipment
- housekeeping
- reporting accidents and incidents
- other OHS practices relevant to the job and enterprise

Unit Sector(s)

Sector All