



Australian Government

MSTGN5004 Manage installation and commissioning of equipment and systems

Release: 1

MSTGN5004 Manage installation and commissioning of equipment and systems

Modification History

Release 1. Supersedes and is equivalent to LMTGN5004A Manage installation and commissioning of equipment and systems

Application

This unit of competency covers the skills and knowledge required to manage the installation and commissioning of equipment and systems used in a textiles, clothing and footwear (TCF) workplace.

The unit of competency applies to the managing the installation and commissioning of equipment where significant judgement is required in planning, technical or supervisory activities related to operations or processes. The work may involve individual and team-related activities, and can include liaison with specialist technicians or contractors. Work may be conducted in a large scale production or small business situation in a TCF sector.

This unit of competency is applicable to all sectors of the textile clothing and footwear industry.

The unit of competency may relate to onshore or offshore applications. It includes all local requirements and may include establishing a new production line.

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.

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|---|----------------------|-----|---|
| 1 | Determine job | 1.1 | Follow standard operating procedures (SOPs) |
|---|----------------------|-----|---|

	requirements	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 manage installation and commissioning of equipment	2.1	Identify and confirm items to be included in work plan and specification document
		2.2	Draw up work plan for installation and commissioning of equipment and systems, including management and reporting procedures
		2.3	Prepare specification document according to workplace and/or manufacturer practices
3	Manage and monitor contract arrangements	3.1	Coordinate contract arrangements for the installation and commissioning of equipment/systems, including all legal, insurance and safety requirements, in accordance with workplace and/or legislative procedures
		3.2	Monitor contract arrangements to ensure they comply with requirements and deal with variations according to agreed strategy
		3.3	Gather information to establish schedule and maintain budget forecasts
		3.4	Monitor deviation from performance targets and, if necessary, take corrective action
		3.5	Assess scheduling and budgeting processes to determine whether variations or alternative plans are indicated
4	Assess and report on installation	4.1	Determine legal, environmental and WHS requirements related to installation and commissioning of equipment/systems
		4.2	Manage the application of technical skills by other personnel to ensure compliance

- 4.3 Assess completed work to confirm all specifications have been incorporated
- 4.4 Prepare report on work completed in accordance with workplace procedures
- 4.5 Maintain records of installation and commissioning activities, in accordance with workplace procedures

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

Equipment and systems include, but are not limited to, one or more of the following:

- microprocessor or computer control
- production and facility equipment used within the enterprise

Workplace practices include one or more of the following:

- workplace practices relating to managing installation and commissioning of equipment and systems
- conditions of service, legislation and industrial agreements, including workplace agreements and awards and federal or state/territory legislation
- standard work practices
- reporting verbally or in writing
- oral, written or visual communication
- being responsible for the maintenance of own work quality and contributing to the quality improvement of team or section output, where necessary
- safety, environmental, housekeeping and quality practices as specified by machine and equipment manufacturers, regulatory authorities and the organisation

WHS practices include one or more of the following:

- use of PPE
- safe materials handling practices
- taking of rest breaks
- ergonomic arrangement of workplaces
- following marked walkways
- storage of equipment
- workstation housekeeping
- cleaning of equipment
- workers' compensation legislation

Unit Mapping Information

Release 1. Supersedes and is equivalent to LMTGN5004A Manage installation and commissioning of equipment and systems

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 MSTGN5004 Manage installation and commissioning of equipment and systems

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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
- developing and preparing work plan and specification documents
- organising and monitoring contract arrangements
- assessing scheduling and budgeting procedures
- dealing with variations in contract arrangements and deviations from performance targets
- implementing legal, environmental and work health and safety (WHS) obligations/requirements
- managing the application of technical skills by other personnel to ensure completed work meets specifications
- assessing completed work to confirm all specifications have been incorporated
- determining report requirements and presenting information in appropriate formats
- maintaining records of installation and commissioning activities in accordance with 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
- appropriate installation and commissioning procedures
- WHS considerations and environmental factors
- contract requirements
- processes for dealing with contract variations and deviations from performance targets
- WHS and environmental aspects of relevant enterprise activities
- workplace practices and reporting/recording processes
- relevant WHS legislation, regulatory requirements and codes of practice
- hazard identification and control measures associated with managing installation and commissioning of equipment and systems
- workplace procedures

- recording and reporting practices.

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 managing installation and commissioning of equipment and systems, 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.
- The unit is applicable to all TCF sectors and assessment must ensure it is delivered to suit the industry it is being applied to.

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