



Australian Government

MSFFT5003 Manage installation and commissioning of equipment

Release: 1

MSFFT5003 Manage installation and commissioning of equipment

Modification History

Release 1 - New unit of competency

Application

This unit of competency covers planning and managing installation and commissioning of equipment in a manner which minimises disruption and facilitates continuing optimum production outcomes.

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

Pre-requisite Unit

Competency Field

Unit Sector

Furnishing Technology

Elements and Performance Criteria

Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1 Prepare work	1.1 Items to be included in work plan and specification document are identified and confirmed 1.2 Legal, environmental and work health and safety (WHS) requirements related to installation and commissioning of equipment/systems are identified 1.3 Work plan for installation and commissioning of equipment/systems is drawn up, including management and reporting procedures 1.4 Specification document is prepared according to workplace and/or manufacturer procedures
2 Coordinate and monitor installation arrangements	2.1 Arrangements for the installation and commissioning of equipment, including necessary legal, insurance and safety requirements, are coordinated in accordance with

		workplace and/or legislative procedures
	2.2	Contract arrangements for the installation and commissioning of equipment/systems are coordinated in accordance with workplace procedures
	2.3	Installation process, including testing, is monitored to ensure compliance with contractual requirements
	2.4	Variations are dealt with to ensure installation meets specification requirements
3	Manage installation schedules and budgets	3.1 Installation process is monitored to ensure compliance with installation specifications, schedule and budget
	3.2	Scheduling and budgeting processes are adjusted where variations or alternative plans are indicated
	3.3	Deviations are documented and reported
4	Administer legal, environmental and WHS requirements	4.1 Formal processes of the organisation are used to document the administration of regulatory requirements
	4.2	Legal, environmental and WHS requirements related to installation and commissioning of equipment/systems are defined
	4.3	Monitoring of the process is carried out to ensure compliance with legal, environmental and WHS requirements related to installation and commissioning of equipment/systems
5	Conduct trials to confirm operating status of equipment	5.1 Machine operations are evaluated in a trial run and results confirmed against requirements
	5.2	Machines are adjusted to achieve performance outcome specifications
	5.3	Employee duties are communicated to match equipment operating requirements
	5.4	Maintenance documentation is completed and processed
	5.5	Process and machine specification documentation is completed and appropriate records maintained
6	Assess and report on	6.1 Completed work is assessed to confirm required

completion of
installation

specifications have been met

- 6.2 Report on work completed is prepared in accordance with enterprise procedures

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency. Detail on appropriate performance levels for each furnishing unit of competency in reading, writing, oral communication and numeracy utilising the Australian Core Skills Framework (ACSF) are provided in the Furnishing Training Package Implementation Guide.

Range of Conditions

Specifies 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. Range is restricted to essential operating conditions and any other variables essential to the work environment.

Unit context includes:

- WHS requirements, including legislation, building codes, material safety management systems, hazardous and dangerous goods codes, and local safe operating procedures or equivalent
- work is carried out in accordance with legislative obligations, environmental legislation, relevant health regulations, manual handling procedures and organisation insurance requirements
- work requires individuals to demonstrate conceptual and analytical ability, discretion, judgement and problem solving with minimal supervision and direction
- installation and commissioning may follow an established process or it may require a unique process to cover a one-off situation
- work may involve a multi-disciplinary group, including those with specific regulatory authority for aspects of the work
- customers or suppliers may be internal or external

Machines and equipment include:

- microprocessor or computer-controlled machines
- production and facility equipment used in the enterprise

Personal protective

- that prescribed under legislation, regulations and enterprise policies and practices

equipment includes:**Information and procedures include:**

- work procedures/instructions
- manufacturer specifications and instructions
- standard forms of workplace process and procedures
- organisation work specifications and requirements
- legislation, regulations and codes of practice
- quality and Australian Standards and procedures

Unit Mapping Information

Supersedes and is equivalent to LMFFT5003B Manage installation and commissioning of equipment.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0601ab95-583a-4e93-b2d4-cfb27b03ed73>

Assessment Requirements for MSFFT5003 Manage installation and commissioning of equipment

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Performance Evidence

- Collect, organise and understand information related to furnishing work instructions and work orders and safety procedures
- Apply safe handling requirements for equipment, products and materials, including use of personal protective equipment
- Identify materials used in the work process
- Follow work instructions, operating procedures and inspection processes to:
 - minimise the risk of injury to self or others
 - prevent damage to goods, equipment and products
 - maintain required production output and product quality
- Manage the installation and commissioning of significant equipment within a production or simulated production environment, including the following tasks:
 - identifying the impact of decisions in terms of commercial, environmental and safety risks
 - planning and arranging equipment installation and commissioning
 - leading others and working effectively to arrange for installation and commissioning of equipment
 - allocating tasks to others considering:
 - competency requirements for the work
 - requirements of workplace operating procedures
 - completing post-installation trials and evaluation
- Use mathematical ideas and techniques to correctly complete measurements, calculate area and estimate material requirements
- Lead others and work effectively to improve production quality and outcomes
- Communicate ideas and information to enable confirmation of work requirements and specifications and the reporting of work outcomes and problems, interpret basic plans and follow safety procedures
- Use workplace technology related to the coordination, including communication equipment, time and management aids and other measuring devices
- Avoid backtracking, work flow interruptions or wastage
- Work with others and in a team by recognising dependencies and using cooperative approaches to optimise work flow and productivity and encourage participation of employees in the planning of work activities and changes

Knowledge Evidence

- Risk management process
- Requirements for installation and commissioning of equipment
- Extent of responsibility for each stage of the process
- Company business policies and plans, including procedures for equipment installation
- Company products, market, work systems and equipment
- Legislative requirements of the work activities

Assessment Conditions

- Assessors must:
 - hold training and assessment competencies as determined by the National Skills Standards Council (NSSC) or its successors
 - have vocational competency in the furnishing industry at least to the level being assessed with broad industry knowledge and experience, usually combined with a relevant industry qualification
 - be familiar with the current skills and knowledge used and have relevant, current experience in the furnishing industry.
- Assessment methods must confirm consistency of performance over time rather than a single assessment event and in a range of workplace relevant contexts.
- Assessment must be by observation of relevant tasks with questioning on underpinning knowledge and, where applicable, multimedia evidence, supervisor's reports, projects and work samples.
- Assessment is to be conducted on single units of competency or in conjunction with other related units of competency. Foundation skills are integral to competent performance in the unit and should not be assessed separately.
- Assessment must occur on the job or in a workplace simulated facility with relevant process, equipment, materials, work instructions and deadlines.
- Access is required to equipment for installation, installation and commissioning service providers and location.

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