



Australian Government

MSFFDT3001 Install low-voltage technology, automation, and intelligent management systems in furnishing

Release: 1

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Modification History

Release 1. New unit of competency.

Application

This unit of competency describes the skills and knowledge required to identify job requirements and then select, fit and install low-voltage technology, automation and intelligent management systems in furnishing products. The unit involves taking measurements to support the accurate fit of the items; and correctly using and applying adhesives and concealment methods suited to the installation design, product being installed, and furnishing product material. It also involves understanding quality and compliance indicators and requirements so that the installation complies with industry-accepted standards.

This unit applies to unlicensed installers working in all sectors of the furnishing industry using low voltage (24 volts or less) technology, automation, or intelligent management systems. The furnishing products involved are diverse, and may include kitchen and bathroom cabinetry, fitted furniture and window furnishings. The items installed are also diverse and may include docking stations, and sound and visual devices.

No licensing, legislative or certification requirements apply to this unit at the time of publication. Where installation involves wiring to be connected to mains power, electrical work must be completed by a qualified licensed electrician

Pre-requisite Unit

Not applicable.

Unit Sector

Furniture design and technology

Elements and Performance Criteria

Elements	Performance Criteria	
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.	
1. Prepare for installation of low-voltage technology, automation, and intelligent management system item	1.1	Identify job and product requirements from work order and visual representations of installation design
	1.2	Identify work health and safety (WHS) and personal protection requirements of installation according to

Elements Elements describe the essential outcomes.	Performance Criteria Performance criteria describe the performance needed to demonstrate achievement of the element.	
into furnishing		workplace procedures
	1.3	Identify and select required installation items based on the work order
	1.4	Identify and select tools, equipment and accessories to be used during installation and check their safe and effective operation
	1.5	Clean and prepare furnishing product surfaces to enable accurate fitting
2. Install low-voltage technology, automation and intelligent management system item into furnishing	2.1	Take accurate measurements and fit item according to design requirements
	2.2	Secure item using fitting tools according to supplier instructions and workplace procedures
	2.3	Apply adhesives according to supplier instructions and workplace procedures
	2.4	Test installed item against expected performance and troubleshoot performance problems in line with own level of responsibility
	2.5	Place cabling concealments according to installation design
3. Finalise installation	3.1	Check that completed work complies with quality and work order requirements, and rectify identified deficiencies
	3.2	Clean work area and surfaces, and dispose of waste safely and sustainably according to workplace procedures
	3.3	Check tools and equipment, and tag and report faulty items according to workplace procedures
	3.4	Clean and store remaining tools and equipment according to workplace procedures
	3.5	Identify and store surplus unused items for re-use and recycling according to workplace procedures
	3.6	Complete required workplace documentation according to workplace procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria of this unit of competency.

Numeracy skills to:

- interpret, discuss and use mathematical information in work orders and design specifications
- use a blend of 'in the head' and formal methods and tools to correctly complete measurements
- estimate and measure installation items

Reading skills to:

- interpret routine workplace documentation, including work orders, WHS requirements, and workplace installation procedures

Unit Mapping Information

Release 1. New unit of competency. No equivalent unit

Links

Companion Volume implementation guides are found in VETNet -

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