



Australian Government

**Assessment Requirements for
MSFFDT3001 Install low-voltage
technology, automation, and intelligent
management systems in furnishing**

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

Modification History

Release 1. New unit of competency.

Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements, performance criteria, and foundation skills of this unit, which must include the ability to:

- safely and correctly install in furnishing a minimum of the following items in line with job requirements and workplace procedures:
 - one low-voltage hardware item
 - one item requiring automation
 - one item from an intelligent management system.

In the course of each of the above installations, the person must:

- interpret work order and design specifications relating to the installation
- apply safe lifting and handling procedures
- follow work instructions and safe operating procedures to:
 - minimise risk of injury to self and others
 - prevent damage to surface, tools, equipment and materials
 - maintain required production output and quality
 - use hand and power tools safely
 - use personal protective equipment (PPE)
- use and dispose of waste sustainably
- avoid backtracking, work flow interruptions and wastage
- identify and resolve routine problems and faults encountered

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- features of installation work orders and visual representations of designs, and how to identify and interpret key information
- emerging trends in installing low-voltage technology, automation and intelligent management systems in furnishing products
- work health and safety (WHS) procedures, practices and regulations specific to installations described in performance evidence
- workplace procedures relating to:

- manual handling, including lifting and carrying
- safely installing, securing and concealing installation items
- tagging and reporting faulty tools and equipment
- disposing of waste safely and in an environmentally sustainable manner
- cleaning and storing tools and equipment
- storing surplus unused items
- recording and reporting fitting and installation information
- work order requirements, and industry-accepted quality indicators and requirements, relating to installations described in performance evidence:
 - boundaries of work for unlicensed personnel
 - key requirements of Australian standards for individual installers
 - safety considerations and potential dangers associated with incorrect installation
- techniques for installing, securing, and concealing items described in performance evidence
- mathematical methods for estimating and measuring installation items
- types of common problems that occur during installation, and how to avoid and respond
- types, characteristics, uses, expected performance benchmarks, and limitations of low-voltage technology, automation, intelligent management system items and after-market serviceability:
 - cabinet hardware
 - charging devices
 - docking stations
 - lighting
 - sound
 - visual devices
- types, characteristics, uses, maintenance and limitations of the following items required for the installations described in performance evidence:
 - adhesives and their suitability for different material types
 - hand tools
 - power tools
- documentation requirements for installation work described in performance evidence

Assessment Conditions

Assessment must occur in the workplace, or in a simulated environment that reflects workplace conditions and contingencies.

Access is required to tools, materials, equipment and specifications for the installation described in the performance evidence above, including:

- work orders and design specifications
- workplace and WHS procedures specified in knowledge evidence
- supplier instructions and manufacturer specifications

- furnishing items requiring installation of low-voltage technology, automation, and intelligent management systems
- low-voltage technology, automation and intelligent management system items, and associated required hand and power tools, equipment, materials and accessories
- PPE applicable to job requirements.

Assessors of this unit must satisfy the assessor requirements in applicable vocational education and training legislation, frameworks and/or standards.

Links

Companion Volume implementation guides are found in VETNet -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0601ab95-583a-4e93-b2d4-cfb27b03ed73>