



Australian Government

MSFBAA311 Install automation and intelligent management systems

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Modification History

Release	Comments
1	This unit of competency was first released in MSF Furnishing Training Package Release 9.0.

Application

This unit of competency describes the skills and knowledge required to select, fit and install technology, automation and intelligent management systems. The unit involves fitting and testing the item against quality and compliance indicators and requirements so that the installation complies with industry-accepted standards.

The unit applies people who install and connect automation, working under limited supervision installing and connecting technology, automation, or intelligent management systems in a range of items, which may include shading and security screens, cabinetry and fitted furniture.

Where installed control devices involve hardwiring to be connected to mains power, electrical work must be completed by a qualified licensed electrician.

All work must be carried out to comply with workplace procedures, according to state/territory health and safety regulations, legislation and standards that apply to the workplace.

Licensing/Regulatory Information

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

Pre-requisite unit(s)

No prerequisite units.

Competency field(s)

N/A

Unit sector(s)

Blinds and Awnings (BAA)

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare for installation of automation	1.1 Identify job and installation requirements from work order and visual representations of installation design 1.2 Identify workplace health and safety and personal protection requirements of installation according to 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 surfaces to enable accurate fitting
2. Install and test automation	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 Test installed item against expected performance, and troubleshoot performance problems in line with own level of responsibility
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, clean and store tools and equipment, and tag and report faulty items according to workplace procedures 3.4 Identify and store surplus unused items for re-use and/or recycling according to workplace procedures 3.5 Complete required workplace documentation according to workplace procedures

Foundation Skills

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

Skill	Description
Numeracy	- Interpret and use mathematical information in work orders and design specifications - Measure installation items

Range of conditions

No conditions apply to this unit of competency at the time of publication.

Unit Mapping Information

Current Code and Title	Previous Code and Title	Comments	Equivalence
MSFBAA311 Install automation and intelligent management systems	MSFFDT3001 Install low-voltage technology, automation, and intelligent management systems in furnishing	Unit code and title updated Application updated Performance Criteria updated Assessment Requirements updated	Equivalent

Assessment Requirements for MSFBAA311 Install automation and intelligent management systems

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Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has installed and tested automation for three items, which must collectively include all of the following:

- at least one item requiring connection to mains power
- at least one item connected to an intelligent management system.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- current trends in installing automation and intelligent management systems
- workplace health and safety procedures, practices and regulations specific to automation and intelligent management system installation and testing
- safety considerations and potential dangers associated with incorrect installation
- button battery safety requirements
- techniques for installing, securing and concealing automation hardware
- types of common problems that occur during installation, and how to avoid and respond
- types, characteristics and limitations of automation and intelligent management systems
- documentation requirements for installation work
- techniques for using a test lead kit to set controls and/or limits
- when to engage a licensed electrician for installation of automation and intelligent management systems.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - assessment must occur in the workplace, or in an environment that accurately reflects workplace conditions
- resources, equipment and materials:
 - items requiring installation of low-voltage technology, automation and intelligent management systems
 - automation and intelligent management system items, and associated required hand and power tools, equipment, materials and accessories
 - personal protective equipment applicable to job requirements
- specifications:
 - work orders and design specifications
 - workplace procedures
 - supplier instructions and manufacturer specifications
- relationships:
 - qualified licensed electrician, when required.

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

Link

Companion volumes, including implementation guides, are found on the national training register - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0601ab95-583a-4e93-b2d4-cfb27b03ed73>.