Modification history

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| Release | Comments |
| Release 1 | This version released with MSF Furnishing Training Package release 9.0. |

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| MSFBAA3X8 | Install roller shutters |
| Application | This unit of competency describes the skills and knowledge required to identify and install roller shutters according to job requirements. The unit involves planning job requirements, identifying required shutter products to be used and their measurements and fasteners, and applying workplace procedures to ensure their safe and correct installation.  The unit applies to individuals working under limited supervision to install roller shutters, including light-weight domestic, heavy-weight commercial, and fire-rated and cyclone-rated shutters. The shutters may be installed in a range of openings, including windows, fixed and sliding doors, building entrances, and inside and exterior to buildings. They may be fastened to a range of surfaces, including aluminium, concrete, masonry, plasterboard and timber.  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, legislative, or certification requirements may apply to this unit. Relevant state/territory and local government agencies should be consulted to determine necessary requirements for installing roller shutters. Access to construction sites requires certification of general induction training specified by the National Code of Practice for Induction for Construction Work (ASCC 2007). |
| Pre-requisite Unit | MSFBAA3X10 Select and apply hardware and fixings for shading and security screens installation  MSFWHS3X1 Identify installation work hazards and select risk control strategies |
| Unit Sector | Blinds and Awnings (BAA) |

| Elements | Performance Criteria |
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| Elements describe the essential outcomes. | Performance criteria describe the performance needed to demonstrate achievement of the element. |
| 1. Prepare for installation of roller shutters | 1.1 Identify job and shutter requirements from work order and supplier instructions  1.2 Confirm type of shutters to be installed and location of installation with customer  1.3 Assess installation site, existing services and substrate material to confirm it is safe and suitable for installation  1.4 Identify and apply workplace health and safety and personal protection requirements of installation  1.5 Plan logical, safe and efficient work sequence that reflects work order |
| 2. Fit and fasten roller shutters | 2.1 Identify and select required materials, tools, equipment and accessories based on work order, and check their safe and effective operation.  2.2 Set up required materials, equipment and shutter mechanisms in line with work instructions and manufacturer specifications  2.3 Fit shutter to opening according to work order, type of control system and manufacturer specifications  2.4 Fasten shutter according to shutter type, work order and opening surface using fastening tools in line with supplier instructions and workplace procedures  2.5 Test installed shutter for correct operation within limits of normal operation, and adjust and repair 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 within scope of own role  3.2 Clean work area and surfaces, and dispose of waste safely and sustainably according to workplace procedures  3.3 Identify and store surplus unused items for re-use and recycling according to workplace procedures  3.4 Check, clean and store tools and equipment, and tag and report faulty items according to workplace procedures  3.5 Advise customer on correct operation and maintenance of roller shutter  3.6 Legibly complete and process required workplace and customer documentation |

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| 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 |
| Oral Communication | * Discuss and negotiate site access, installation requirements, and correct operation of roller shutters with customers:   speaking clearly  applying effective listening techniques  asking questions to gain information |
| Numeracy | * Interpret and use mathematical information in work orders and specifications * Measure installation openings, including factoring in required tolerances |

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| Unit Mapping Information | | | |
| Code and title current release | Code and title previous release | Comments | Equivalence status |
| MSFBAA3X8 Install roller shutters | MSFBA3020 Install roller shutters | Unit code updated  Application updated  Pre-requisites added  Performance Criteria updated  Assessment Requirements revised | Not equivalent |

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| Links | Companion Volumes, including Implementation Guides, are available at [training.gov.au](https://training.gov.au/) |

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| TITLE | Assessment requirements for MSFBAA3X8 Install roller shutters |
| 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 each of the following types of roller shutters:   * light-weight exterior domestic roller shutter * heavy-weight exterior commercial roller shutter * fire-rated or cyclone-rated roller shutter.   Collectively, these installations must include all of the following:   * installation of a motorised control device including setting limits * installation of a sensor device * installation on at least two different openings (door, sliding door or window) * installation of a shutter 3.2 metres or wider * fixing to at least two different substrates. | |

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| 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:   * work order requirements, and industry-accepted quality indicators and requirements, relating to installation of roller shutters:   key requirements of Australian standards and codes of practice  building code requirements specific to installation of roller shutters  safety considerations and potential dangers associated with incorrect installation  manufacturer specifications   * operation and maintenance requirements of roller shutters * workplace procedures relating to:   accessing and inspecting installation sites  safely installing and fastening roller shutters  recording and reporting installation information  using qualified licensed electricians when installation and control devices involve mains power   * types of common problems that occur during installation, and how to avoid and respond, including:   installation openings which are out of square or are not level   * characteristics, uses and limitations of the following items required for roller shutter installation:   roller shutter products and materials  specialised fasteners used for the different types of roller shutters   * installation techniques and locations required for operating mechanisms, including:   radio-controlled remote devices  sensor devices  manual control devices. |

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| Assessment Conditions |
| Assessment of the skills in this unit of competency must take place under the following conditions:   * physical conditions:   skills must be demonstrated in the workplace, or in a simulated environment that accurately reflects workplace conditions and contingencies   * resources, equipment and materials:   roller shutters to be installed  locations requiring installation  personal protective equipment applicable to job requirements  hardware, fixings, tools and equipment for installing roller shutters  control devices for shutters being installed   * specifications:   workplace health and safety documentation  workplace documentation required for each installation, including work orders, customer orders or job cards  legislative and workplace requirements and procedures  supplier instructions and manufacturer specifications   * relationships:   supervisor  customer  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. |

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