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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| MSFBAA3X20 | Install exterior louvre shutters |
| Application | This unit of competency describes the skills and knowledge required to install exterior louvre 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 exterior louvre shutters in residential and commercial environments. The shutters may be installed in a range of openings, including windows; fixed and sliding doors; and building entrances. They may be installed on a range of surfaces, including aluminium, ceramic tiles, porcelain tiles, concrete, masonry, plasterboard and timber.  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.  No licensing, legislative or certification requirements apply to this unit at the time of publication. |
| 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 exterior louvre shutters | 1.1 Identify job and shutter requirements from work order and supplier instructions  1.2 Confirm type of exterior louvre 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 and quality requirements |
| 2. Fit and fasten exterior louvre 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 exterior louvre shutter and manufacturer specifications  2.4 Fix shutter according to shutter type, work order and opening surface using required fixing hardware 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 exterior louvre shutters  3.6 Legibly complete and process required workplace and customer documentation according to workplace requirements |

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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 installation requirements, and correct operation of shutters with customers: * speaking clearly   applying effective listening techniques  asking questions to gain information |
| Numeracy | * Interpret and use mathematical information in routine workplace documentation * 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 |
| MSFBAA3X20 Install exterior louvre shutters | MSFBA3015 Install louvre 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 |

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| TITLE | Assessment requirements for MSFBAA3X20 Install exterior louvre 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 all of the following types of exterior louvre shutter (including head-boxing, framing and tracking as appropriate to each type):   bi-fold  sliding   * installed at least two of the following types of exterior louvre shutter   fixed panel  fixed stand off  hinged  Collectively these installations must include all of the following:   * installation above ground level * installation on at least two different openings * 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 exterior louvre shutters:   key requirements of Australian standards and codes of practice  safety considerations and potential dangers associated with incorrect installation  manufacturer specifications   * building code requirements specific to installation of exterior louvre shutters, including:   wind loading requirements  local cyclone/bushfire requirements  drainage requirements  maintaining integrity of water proofing   * operation and maintenance requirements of exterior louvre shutters * workplace procedures relating to:   accessing and inspecting installation sites  safely installing and fastening exterior louvre shutters  recording and reporting installation information   * 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 exterior louvre shutter installation:   exterior louvre shutter products and materials  specialised fasteners used for the different types of exterior louvre shutters  locking mechanisms, including flush bolts and keyed locks and where to install. |

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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: * exterior louvre shutters to be installed * locations requiring installation * personal protective equipment applicable to job requirements * hardware, fixings, tools and equipment for installing exterior louvre shutters * 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.  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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