



Australian Government

MSFSS3004 Install non-security and security screens and grilles

Release: 1

MSFSS3004 Install non-security and security screens and grilles

Modification History

Release 1. No equivalent unit. Supersedes but is not equivalent to MSFSS3001 Install security screens and grilles

Application

This unit of competency describes the skills and knowledge required to identify and install non-security and security screens and grilles according to job requirements. The unit involves planning job requirements, identifying required products to be installed and their measurements and fasteners, and applying workplace procedures to ensure safe and correct installation compliant with industry and Australian standards.

The unit applies to those installing non-security and security screens and grilles in residential and commercial environments on surfaces, including aluminium, concrete, masonry, steel and timber.

Licensing, legislative or certification requirements may apply to this unit and relevant state/territory and local government agencies should be consulted to determine any necessary certification or licensing for undertaking non-security and security screens and grilles work. 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

Not applicable.

Unit Sector

Non-security and security screens and grilles

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 non-security and security screens and grilles	1.1	Identify job and product requirements from work order and supplier instructions, and confirm with required personnel
	1.2	Complete check measure on site and document required product specifications, and specific access and installation requirements
	1.3	Identify work health and safety (WHS) and personal

Elements Elements describe the essential outcomes.	Performance Criteria Performance criteria describe the performance needed to demonstrate achievement of the element.	
		protection requirements of installation
	1.4	Identify and select required screens and grilles, tools and equipment based on work order, and check their safe and effective operation according to manufacturer specifications
	1.5	Plan logical, safe and efficient work sequence that reflects work order
2. Install non-security and security screens and grilles	2.1	Set up required product, materials and equipment in line with work instructions and manufacturer specifications
	2.2	Prepare installation opening for screens and grilles
	2.3	Insert and fasten security screens and grilles and install locking mechanism according to work order and manufacturer specifications
	2.4	Test installed screens and grilles 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 tools and equipment, and tag and report faulty items according to established workplace procedures
	3.5	Clean and store remaining tools and equipment according to workplace procedures
	3.6	Advise customer on correct operation and maintenance of screens and grilles
	3.7	Legibly complete and process workplace documentation according to workplace requirements

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, job sheets, cutting lists, plans, drawings and designs • use a blend of 'in the head' and formal methods and tools to estimate and measure materials and installation spaces, including factoring in required tolerances
Oral communication skills to:	• confirm installation requirements and specifications, and report work outcomes and problems: • speaking clearly • applying effective listening techniques • asking questions to gain information
Reading skills to:	• interpret routine workplace documentation, including work orders, WHS requirements and safety procedures, basic plans and workplace installation procedures

Unit Mapping Information

Release 1. No equivalent unit. Supersedes but is not equivalent to MSFSS3001 Install security screens and grilles

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for MSFSS3004 Install non-security and security screens and grilles

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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 the following in line with legislative requirements, industry and Australian standards requirements, and workplace procedures:
 - one hinged security screen door
 - one sliding security screen door
 - one internal or external fixed window grille above ground level in a residential or commercial building, demonstrating the safe and correct use of lifting and safety equipment
 - one emergency egress security screen
 - one non-security screen in any opening or building type.

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

- interpret work order and locate and use materials, tools and equipment required for the installation
- apply safe lifting and handling procedures
- demonstrate safe and correct use of safety equipment
- follow work instructions and safe operating procedures to:
 - minimise risk of injury to self and others
 - prevent damage to site, tools, equipment and products
 - maintain required production output and quality
 - use and maintain 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
 - work with others, by recognising dependencies and using cooperative approaches to optimise work flow and productivity

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- features of installation work orders and instructions relating to the types of non-security and security screens and grilles in the performance evidence, and how to identify and interpret key information
- work order requirements, and industry-accepted quality indicators and requirements, relating to installations described in performance evidence:
 - safety considerations and potential dangers associated with incorrect installation
 - consumer product safety standards and requirements
 - instructions for removing existing screens and grilles and installing replacement screens and grilles, including caveats on operational requirements
- key requirements of legislation, regulations, standards and codes of practice relevant to the full range of processes required to install the non-security and security screens and grilles:
 - Australian standards and National Construction Code requirements for individual installers:
 - bushfire attack levels
 - fire attenuation
 - cyclone protection
 - fall prevention
 - requirements specific to installation described in performance evidence
- operation and maintenance requirements of non-security and security screens and grilles in performance evidence
- emerging trends in installing non-security and security screens and grilles
- work health and safety (WHS) procedures, practices and regulations specific to installations described in performance evidence:
 - controlling hazards and risks
 - eliminating hazardous materials and substances
 - using firefighting equipment and first aid equipment
 - operating lifting equipment
 - using safety and personal protective equipment
- workplace procedures relating to:
 - communicating work requirements
 - accessing and inspecting installation sites
 - manual handling, including lifting and carrying
 - installing and securing non-security and security screens and grilles
 - tagging and reporting faulty tools and equipment
 - disposing of waste safely and in an environmentally sustainable manner
 - recycling and re-use guidelines
 - cleaning and storing tools and equipment
 - storing surplus unused items

- recording and reporting installation information:
 - installation completion and equipment faults and malfunctions
 - hazards and incidents
 - outcomes of inspection
 - lock type and location of combination and keys
 - operating limitations and requirements of installed product
 - quality outcomes
- techniques for installing and securing screens and grilles described in performance evidence, including:
 - into openings made of the following materials:
 - aluminium
 - concrete
 - masonry
 - plasterboard
 - steel
 - timber
 - preparing installation position for screens and grilles
 - removing existing screens and grilles
 - assessing suitability of jamb for screen and grille frames to be installed
 - making adjustments to existing jambs
 - safely and securely positioning screen and grille frames
 - preparing for locking mechanism
 - identifying and resolving installation and operational problems:
 - new installation problems
 - problems associated with existing opening and products in place
 - installing and securing that:
 - conform to quality requirements
 - conform to standard building practices
 - comply with supplier instructions and manufacturer specifications
 - maximise the appearance of the finished work
 - provide for economical use of materials and labour
- mathematical methods for estimating and measuring materials and installation spaces, including factoring in required tolerances
- types of common problems that occur during installation, and how to avoid and respond
- types, characteristics, terminology of, uses, maintenance and limitations of the following items required for the installations described in performance evidence:
 - products and materials specific to screen and grille installation:
 - securing products, including DynaBolts, masonry anchors, nails, nuts and bolts, screws and rivets
 - hardware, including tabs, locks, rollers and hinges

- tools and equipment:
 - hand tools, including hammers, screwdrivers, tape measures, squares, chisels and files
 - power tools, including power drills
 - equipment, including ladders, safety barricades, cones, signs, lifting equipment and scaffolding
- documentation requirements for installation work described in performance evidence.
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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:

- non-security and security screens and grilles to be installed
- locations requiring installation specified in the performance evidence
- PPE applicable to job requirements
- WHS documentation specific to the installations in the performance evidence
- tools and equipment specified in the knowledge evidence
- workplace documentation required for installations in the performance evidence, including:
 - work orders
 - job sheets, cutting lists, plans, drawings and designs
 - legislative and workplace requirements and procedures specified in the knowledge evidence
 - supplier instructions and manufacturer specifications.

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

Links

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