



Australian Government

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

Release: 1

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Modification History

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

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

Companion Volume implementation guides are found in VETNet -

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