



Australian Government

Assessment Requirements for MSFSS3005 Assemble 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 MSFSGG2010 Fabricate and install insect and security screens

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:

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

In assembling the suite of non-security and security screens and grilles, the candidate must also demonstrate the ability to:

- interpret work order and locate and use materials, tools and equipment required for the assembly
- measure for windows and doors, and identify and select product materials to be used
- correctly select component hardware and fittings required for assembly:
 - door closures
 - hinges
 - lock guards
 - guides and lock mechanisms that comply with Australian Standards
 - wheels
- assemble screen and grille frame and components, optimising materials, and cutting, tooling, drilling and crimping in compliance with Australian standards
- apply safe lifting and handling procedures
- follow work instructions and safe operating procedures and inspection procedures to:
 - minimise risk of injury to self and others
 - prevent damage to site, tools equipment and products
 - maintain required production output and product quality
 - use hand and power tools safely
 - use personal protective equipment (PPE)

- use and dispose of waste sustainably
- identify and resolve routine problems and faults encountered
- avoid backtracking, work flow interruptions and wastage

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- features of assembly work orders relating to the performance evidence, and how to identify and interpret key information
- work instruction requirements, and industry-accepted quality indicators and requirements, relating to the assembly described in performance evidence:
 - key requirements of industry and Australian standards
 - work flow requirements
 - safety considerations and potential dangers associated with incorrect assembly
 - pattern and plan to be followed in assembly
- operation of range of non-security and security screens and grilles in performance evidence
- work health and safety (WHS) procedures, practices and regulations specific to assembly described in performance evidence:
 - controlling hazards and risks
 - eliminating hazardous materials and substance
 - using personal protective equipment:
 - aprons and overalls
 - gauntlets
 - gloves
 - hard hats
 - safety footwear
 - safety glasses
- workplace procedures relating to:
 - identifying equipment, processes and procedures to use when assembling non-security and security screens and grilles
 - calculating quantities of required materials:
 - from plans and work instructions
 - by measuring screen opening
 - manual handling, including lifting and carrying
 - safely assembling screens and grilles
 - reporting non-routine problems
 - 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 assembly information
- techniques for assembling non-security and security screens and grilles described in performance evidence that include processes that:
 - conform to quality requirements
 - comply with supplier instructions and manufacturer specifications
 - maximise the appearance of the finished work
 - provide for economical use of materials and labour
- types, characteristics, terminology of, uses, maintenance and limitations of the following items required for the assembly described in performance evidence:
 - framing material and in-fill material
 - tools and equipment:
 - assembly benches
 - bolt cutters or mechanical shears
 - copy routers
 - crimpers
 - drop and up-cut saws
 - electric and pneumatic powered drills and screwdrivers
 - end millers
 - fly screen spline rollers
 - knives
 - pneumatic and manual presses
 - pop rivet guns
 - soft rubber mallets
 - stamping and notching tools
 - materials:
 - anti-jemmy protection hardware
 - corner stakes
 - extruded door framing
 - fittings, fixing and fasteners, including screws and pop rivets
 - fly mesh
 - heavy-duty security mesh
 - interlocks
- uses of non-security and security screen and grille products produced

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 assembly work described in the performance evidence above, including:

- non-security and security screens, grilles and work areas specified in the performance evidence requiring assembly
- PPE applicable to job requirements
- WHS documentation specific to the assembly
- materials required in the assembly of screens and grilles:
 - aluminium or other framing material
 - aluminium or other sheeting
 - fittings, fixing and fasteners
- tools and equipment specified in the knowledge evidence
- workplace documentation required for each assembly, including:
 - work orders, customer orders, job cards and work quotations
 - workplace procedures specified in the knowledge evidence
 - supplier instructions and manufacturer specifications

Links

Companion Volume implementation guides are found in VETNet -

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