



Australian Government

Department of Education, Employment and Workplace Relations

LMFSS2001A Use security screens and grills hand and power tools

Revision Number: 1

LMFSS2001A Use security screens and grills hand and power tools

Modification History

Not applicable.

Unit Descriptor

Unit descriptor	This unit specifies the outcomes required for the use of security screens and grills hand and power tools and includes identification, selection, preparation, use and storage of hand and power tools. The unit includes operator maintenance.
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Application of the Unit

Application of the unit	This unit supports the attainment of skills and knowledge required for competent workplace performance in the manufacture and installation of security screens and grills. This unit applies to a factory or an on-site installation environment and involves application of skills and knowledge at a production worker and trades skills level. These skills and knowledge are to be used within the scope of the individual's job and authority.
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Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Prerequisite units	Nil	

Employability Skills Information

Employability skills	This unit contains employability skills.
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Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.
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Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Identify hand and power tools	1.1.Types of <i>hand and power tools</i> and their functions are identified 1.2.Sources of <i>power supply</i> are recognised 1.3. <i>OHS, legislative and organisational requirements</i> for using hand and power tools are recognised and adhered to.
2. Select hand tools	2.1.Hand tools are selected consistent with the needs of the job 2.2.Appropriate personal protection equipment is selected, correctly fitted and used 2.3.Selected tools are checked for serviceability and safety and any faults are rectified or reported 2.4.Equipment is selected to hold or support <i>material</i> for hand tool application where applicable
3. Use hand tools	3.1.Material is located and held in position for hand tool application 3.2.Hand tools are safely and effectively used in accordance to their intended use 3.3.Hand tools are safely located when not in immediate use
4. Select power tools	4.1.Appropriate personal protective equipment is selected, correctly fitted and used 4.2.Power tools are selected consistent with the needs of the job in accordance with conventional work practices 4.3.Power tools are visually checked for serviceability/safety in accordance OHS requirements and any faults are rectified or reported 4.4.Equipment is selected to hold or support materials for power tool application where applicable
5. Use power tools	5.1.Material is located and held in position for power tool application where applicable 5.2.Power tools are safely and effectively used in application processes 5.3.Power tools are safely located when not in use
6. Clean up work area and maintain tools	6.1.Faulty and/or defective equipment/tools are tagged and reported in accordance with workplace procedures 6.2.All tools are cleaned, maintained and stored in

ELEMENT	PERFORMANCE CRITERIA
	accordance with workplace procedures 6.3. Equipment is cleaned, maintained and stored in accordance with workplace procedures 6.4. Work area is cleaned and <i>waste</i> removed in accordance with workplace procedures 6.5. <i>Records and reports</i> are completed to workplace requirements

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

This section describes the skills and knowledge required for this unit.

Required skills

- collect, organise and understand information related to work orders, basic plans and safety procedures
- communicate ideas and information to enable confirmation of work requirements and specifications, coordination of work with site supervisor, other workers and customers, and the reporting of work outcomes and problems
- work with others and in a team by recognising dependencies and using cooperative approaches to optimise work flow and productivity
- use pre-checking and inspection techniques to ensure the tools are serviceable and ready to use
- recognise and respond to circumstances outside instructions or personal competence
- plan and organise activities, including the preparation and layout of own worksite and the obtaining and use of tools and materials to avoid any backtracking, work flow interruptions or wastage
- use mathematical ideas and techniques to correctly complete measurements, calculate area and estimate other material requirements
- complying with legislation, regulations, standards, codes of practice and established safe practices and procedures for manufacturing/installing security screens and grills
- clarify and confirm work instructions
- plan own work within the given task parameters
- accept responsibility for given tasks
- set, monitor and satisfy personal work goals
- satisfy the competency requirements for the job
- maintain current knowledge of tools and materials
- maintain current knowledge of security screens and grills, manufacturing and installation techniques
- seek learning opportunities
- use the workplace technology related to the selection, preparation and operator maintenance of security screens and grills hand and power tools including calculators and measuring devices

Required knowledge

- State or Territory OHS legislation, regulations, standards and codes of practice relevant to the full range of processes for manufacturing or installation tasks
- function, purpose and operator maintenance requirements of hand and/or power tools used in the workplace
- organisational and site standards, requirements, policies and procedures for

REQUIRED SKILLS AND KNOWLEDGE

- manufacturing/installing security screens and grills
- environmental protection requirements relating to the disposal of waste material
- established communication channels and protocols
- problem identification and resolution
- types of tools and equipment and procedures for their safe use, operation and maintenance
- characteristics of steel and/or aluminium, steel and/or aluminium products and defects
- industry standard cross-sections and lengths
- storage systems and labelling
- procedures for the recording, reporting and maintenance of workplace records and information
- appropriate mathematical procedures for estimation and measurement

Evidence Guide

EVIDENCE GUIDE

The Evidence Guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.

Critical aspects for assessment and evidence required to demonstrate competency in this unit

- Apply safe handling practices for equipment, products and materials
- Adopt and carry out correct procedures prior to and during use of hand and power tools prescribed in the Range Statement
- Comply with legislation, regulations, standards, codes of practice and establish safe practices and procedures for manufacturing/installation operations
- Follow work instructions, operating procedures and inspection practices to:
 - prevent damage to surrounds, goods, tools, equipment or products
 - maintain required production output and product quality
 - minimise the risk of injury to self or others
 - apply hand and power tools correctly and safely
 - complete operator maintenance on hand and power tools
 - store tools correctly
 - work effectively with others
 - modify activities to cater for variations in workplace contexts an environment

Context of, and specific resources for assessment

- The application of competency is to be assessed in the workplace or realistically simulated workplace
- Assessment is to occur under standard and authorised work practices, safety requirements and environmental constraints
- Assessment is to comply with relevant regulatory or Australian Standards requirements
- The following resources should be made available:
 - workplace location or simulated workplace
 - materials and equipment relevant to manufacturing or fitting security screens and grills
 - specifications and work instructions
 - the full range of routinely used security screens

EVIDENCE GUIDE	
	and grills power and hand tools
Method of assessment	<p>Assessment must satisfy the endorsed assessment guidelines of the Furnishing Industry Training Package</p> <p>Assessment methods must confirm consistency and accuracy of performance (over time and in a range of workplace relevant contexts) together with application of underpinning knowledge</p> <p>Assessment methods must be by direct observation of tasks and include questioning on underpinning knowledge to ensure its correct interpretation and application</p> <p>Assessment must confirm a reasonable inference that competency is able not only to be satisfied under the particular circumstance, but is able to be transferred to other circumstances</p> <p>Assessment may be in conjunction with assessment of other units of competency</p>

Range Statement

RANGE STATEMENT	
<p>The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.</p>	
Hand and power tools	<ul style="list-style-type: none"> include, but are not limited to knives, sheers, assorted air tools, assorted electric tools, measuring devices, straight edge, square, assorted hammers, rollers, compressor, drop saw, circular saw, combination saw, rivet gun, metal press and dies
Power supply	<ul style="list-style-type: none"> may include electricity or compressed air for the operation of power tools.
OHS requirements	<ul style="list-style-type: none"> are to be in accordance with Commonwealth, State or Territory legislation and regulations, local government by-laws, organisational safety policies and procedures. Requirements may include but not be limited to the use of personal protective equipment and clothing, fire fighting equipment, First Aid equipment, hazard and risk control and elimination of hazardous materials and substances, manual handling, including lifting and carrying.
Legislative requirements	<ul style="list-style-type: none"> are to be in accordance with applicable legislation from all levels of government that affect organisational operation. Requirements may include but not be limited to award and enterprise agreements, industrial relations, Australian Standards, confidentiality and privacy, OHS, the environment, equal opportunity, anti-discrimination, relevant industry codes of practice, duty of care and heritage.
Organisational requirements	<ul style="list-style-type: none"> may include but not be limited to legal, organisational and site guidelines, policies and procedures relating to own role and responsibility, quality assurance, procedural manuals, quality and continuous improvement processes and standards, OHS, emergency and evacuation, ethical standards, recording and reporting, access and equity principles and

RANGE STATEMENT	
	practices, equipment use, maintenance and storage, environmental management (waste disposal, recycling and re-use guidelines)
Material	<ul style="list-style-type: none"> may include but not be limited to steel or aluminium material in extruded or sheet form; synthetic, aluminium or steel screen material.
Waste	<ul style="list-style-type: none"> may include but not be limited to off-cuts and shavings
Records and reports	<ul style="list-style-type: none"> may include but not be limited to the machining method, product type, size, inspection, grading and labelling outcomes, storage locations, quality outcomes, hazards, incidents or equipment malfunctions
Communication	<ul style="list-style-type: none"> may include verbal and non-verbal language, constructive feedback, active listening, questioning to clarify and confirm understanding, use of positive, confident and co-operative language, use of language and concepts appropriate to individual social and cultural differences, control of tone of voice and body language

Unit Sector(s)

Unit sector	Security Screens and Grills (SS)
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Competency field

Competency field	
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Co-requisite units

Co-requisite units	

Co-requisite units		