



Australian Government

MSFFF2005 Maintain spray equipment and booth

Release: 2

MSFFF2005 Maintain spray equipment and booth

Modification History

Release 2 - Missing text from Assessment Requirements reinstated

Release 1 - New unit of competency

Application

This unit of competency covers stripping, cleaning, restoring and servicing spray equipment and booths.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Competency Field

Unit Sector

Furniture finishing

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

1	Prepare for work	1.1	Work instructions are used to determine job requirements, including timings, equipment to be maintained and materials
		1.2	Work health and safety (WHS) requirements, including ventilation and personal protection needs, are observed throughout the work
		1.3	Tools, equipment and accessories are identified and checked for safe and effective operation
		1.4	Work area is cleared of unwanted stock, products and materials
		1.5	Equipment is isolated from power sources and made safe in accordance with site procedures
2	Maintain the	2.1	Equipment is dismantled in accordance with

equipment		manufacturer specifications and site procedures	
	2.2	Components are laid out in a logical re-assembly sequence	
	2.3	Components are cleaned and serviced using authorised materials and tools/equipment	
	2.4	Components are inspected and faulty items repaired, replaced or referred for further maintenance action	
	2.5	Equipment is re-assembled and operations are tested	
	2.6	Equipment maintenance is reported/recorded in accordance with site procedures	
3	Maintain booths	3.1	Combustion and ignition sources are neutralised throughout the work sequence
		3.2	Ventilation and other services are inspected for operation, cleaned out and, where appropriate, replenished, replaced or referred for further maintenance action
		3.3	Surfaces and floors are cleaned and restored in accordance with site and industry standards
		3.4	Materials and consumable stores are cleaned and restored in accordance with site, industry and regulatory standards

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency. Detail on appropriate performance levels for each furnishing unit of competency in reading, writing, oral communication and numeracy utilising the Australian Core Skills Framework (ACSF) are provided in the Furnishing Training Package Implementation Guide.

Range of Conditions

Specifies different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included. Range is restricted to essential operating conditions and any other variables essential to the

work environment.

Unit context includes:	• WHS requirements, including legislation, building codes, material safety management systems, hazardous and dangerous goods codes, and local safe operating procedures or equivalent • work is carried out in accordance with legislative obligations, environmental legislation, relevant health regulations, manual handling procedures and organisation insurance requirements
Spray equipment includes:	• computerised spray system • electrostatic spray gun • powder coating spray gun • air compressor, and hoses and dryers
Booths include:	• dry filter bath • purpose-designed, positive-pressure, down-draft water booth
Booth services include:	• lighting • ventilation • electricity supply • water supply • paint lines • consumables storage areas
Tools and equipment include:	• liquid containers • feeding systems • spray guns • scrapers (non-ferrous) screwdrivers • shifting spanner • spanners
Materials include:	• water • solvents • other cleaning compounds and chemicals • rags • steel wool • brushes • hoses • brooms • squeegees
Personal protective equipment includes:	• that prescribed under legislation, regulations and enterprise policies and practices
Information and	• workplace procedures relating to the use of tools and

procedures include:

- equipment
- work instructions, including job sheets, cutting lists, plans, drawings and designs
- workplace procedures relating to reporting and communication
- manufacturer specifications and operational procedures

Unit Mapping Information

Supersedes and is equivalent to LMFFF2005B Maintain spray equipment and booth

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 MSFFF2005 Maintain spray equipment and booth

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Performance Evidence

- Interpret work order and locate and apply relevant information
- Apply safe handling requirements for equipment, products and materials, including use of personal protective equipment
- Identify materials used in the work process
- Follow work instructions, operating procedures and inspection processes to:
 - minimise the risk of injury to self or others
 - prevent damage to goods, equipment and products
 - maintain required production output and product quality
- Disassemble, maintain and re-assemble at least two (2) different spray systems
- Maintain a booth and booth services on at least two (2) occasions
- Use mathematical ideas and techniques to correctly complete measurements, calculate area and estimate material requirements
- Communicate ideas and information to enable confirmation of work requirements and specifications and the reporting of work outcomes and problems, interpret basic plans and follow safety procedures
- Minimise wastage of resources, including materials, time and money
- Work with others and in a team by recognising dependencies and using cooperative approaches to optimise work flow and productivity

Knowledge Evidence

- Identification of spray system equipment, processes and procedures
- Types, characteristics and maintenance requirements for spray booth services, including at a minimum, ventilation, lighting, water and electrical reticulation
- Characteristics of spray coatings and base materials in terms of toxicity, reactivity and flammability
- Types, characteristics, uses and limitations of cleaning solvents and agents
- Effects of fumes, heat and other radiations on surface coatings
- Material safety management systems

Assessment Conditions

- Assessors must:

- hold training and assessment competencies as determined by the National Skills Standards Council (NSSC) or its successors
- have vocational competency in the furnishing industry at least to the level being assessed with broad industry knowledge and experience, usually combined with a relevant industry qualification
- be familiar with the current skills and knowledge used and have relevant, current experience in the furnishing industry.
- Assessment methods must confirm consistency of performance over time rather than a single assessment event and in a range of workplace relevant contexts.
- Assessment must be by observation of relevant tasks with questioning on underpinning knowledge and, where applicable, multimedia evidence, supervisor's reports, projects and work samples.
- Assessment is to be conducted on single units of competency or in conjunction with other related units of competency. Foundation skills are integral to competent performance in the unit and should not be assessed separately.
- Assessment must occur on the job or in a workplace simulated facility with relevant process, equipment, materials, work instructions and deadlines.
- Access is required to spray systems and equipment, spray booth, cleaning and maintenance materials.

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