



**Australian Government**

# **MSFFL2011 Select, operate and maintain grinding equipment**

**Release: 1**

# MSFFL2011 Select, operate and maintain grinding equipment

## Modification History

Release 1 - New unit of competency

## Application

This unit of competency covers selecting, operating and maintaining grinding equipment in applications relating to floor preparation.

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 flooring 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

## Competency Field

## Unit Sector

Flooring technology

## Elements and Performance Criteria

Elements describe the essential outcomes.

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

- |   |                             |     |                                                                                                                                                               |
|---|-----------------------------|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Identify grinding equipment | 1.1 | Applicable work health and safety (WHS), legislative and organisational requirements relevant to the use of grinding equipment are verified and complied with |
|   |                             | 1.2 | Types of grinding equipment and their functions are identified from relevant information sources                                                              |
|   |                             | 1.3 | Instructions and/or plans are read and interpreted to identify the process required to complete work tasks                                                    |
|   |                             | 1.4 | Sources of power supply are recognised                                                                                                                        |

- |   |                             |     |                                                                                                                                              |
|---|-----------------------------|-----|----------------------------------------------------------------------------------------------------------------------------------------------|
| 2 | Select grinding equipment   | 2.1 | Grinding equipment and attachments are selected consistent with the needs of the job                                                         |
|   |                             | 2.2 | Grinding equipment is checked for serviceability and safety and any faults are correct or processed for repair                               |
| 3 | Clean and prepare sub-floor | 3.1 | Appropriate personal protective equipment is selected, correctly fitted and used                                                             |
|   |                             | 3.2 | Fittings and fixtures are removed from the sub-floor                                                                                         |
|   |                             | 3.3 | Sub-floor is cleared of loose debris and dirt, and cleaned                                                                                   |
| 4 | Smooth the floor            | 4.1 | Work sequence and starting point are selected                                                                                                |
|   |                             | 4.2 | Perimeter is smoothed using light equipment and appropriate cutter                                                                           |
|   |                             | 4.3 | Main area is smoothed to the required standard using the most appropriate available equipment in accordance with manufacturer specifications |
|   |                             | 4.4 | Floor area is cleaned, inspected and re-worked as required                                                                                   |
| 5 | Complete housekeeping       | 5.1 | All tools are cleaned, maintained and stored                                                                                                 |
|   |                             | 5.2 | Equipment is cleaned, maintained and stored                                                                                                  |
|   |                             | 5.3 | Work area is cleared and waste removed                                                                                                       |

## 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.

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Unit context includes:</b>               | <ul style="list-style-type: none"><li>• WHS requirements, including legislation, building codes, material safety management systems, hazardous and dangerous goods codes, and local safe operating procedures or equivalent</li><li>• work is carried out in accordance with legislative obligations, environmental legislation, relevant health regulations, manual handling procedures and organisation insurance requirements</li><li>• work requires individual to demonstrate some discretion, judgement and problem solving</li></ul> |
| <b>Types of grinding equipment include:</b> | <ul style="list-style-type: none"><li>• single headed</li><li>• double headed</li><li>• planetary action grinders</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Sources of power supply include:</b>     | <ul style="list-style-type: none"><li>• single or three-phase</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Attachments include:</b>                 | <ul style="list-style-type: none"><li>• air cleaning/vacuum attachment</li><li>• carborundum and diamond stoves</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Fault reporting includes:</b>            | <ul style="list-style-type: none"><li>• verbal or written reporting</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Fittings and fixtures include:</b>       | <ul style="list-style-type: none"><li>• nails</li><li>• door stops</li><li>• gripper strips</li><li>• metal mouldings</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Australian Standards include:</b>        | <ul style="list-style-type: none"><li>• AS/NZS 2455.1:2007 Textile floor coverings - Installation practice - General</li><li>• AS 1884-2012 Floor coverings - Resilient sheet and tiles - Installation practices</li></ul>                                                                                                                                                                                                                                                                                                                  |
| <b>Personal protective</b>                  | <ul style="list-style-type: none"><li>• that prescribed under legislation, regulations and enterprise</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                             |

**equipment includes:**

policies and practices

**Information and  
procedures include:**

- workplace procedures relating to the use of tools and 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 LMFFL2107A Select, operate and maintain grinding equipment

## Links

Companion Volume implementation guides are found in VETNet -

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