



Australian Government

MSFFL3003 Inspect sub-floors

Release: 1

MSFFL3003 Inspect sub-floors

Modification History

Release 1 - New unit of competency

Application

This unit of competency covers inspecting and formally reporting on the condition of both timber and concrete sub-floors.

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	Prepare for work	1.1	Applicable work health and safety (WHS), legislative and organisational requirements relevant to the inspection of sub-floors are verified and complied with
		1.2	Customer enquiry and relevant information is consulted to determine the type of proposed flooring operation and other work requirements
		1.3	Floor surface requirements for the proposed coverings are determined from manufacturer or workplace information
		1.4	Tools, equipment and required materials are obtained and prepared for the work
2	Conduct	2.1	The type of floor construction materials and the building

	inspection of timber flooring		floor structure and substructure are identified
		2.2	Datum lines to confirm floor fall, dips and irregularities and finished floor height in relation to other floor coverings and door clearances are run and checked to confirm dimensions
		2.3	Moisture testing is completed in accordance with the approved process and standard
		2.4	Timber sub-flooring inspections are completed to identify irregularities
		2.5	Ventilation flow is confirmed and irregularities noted
		2.6	Floor joists, bearers and stumps are checked for irregularities
3	Conduct inspection of concrete flooring	3.1	The type of floor construction materials and the building floor structure and substructure are identified
		3.2	Datum lines are run and checked to confirm dimensions
		3.3	Moisture testing is completed in accordance with the approved process and standard
		3.4	Concrete sub-floor inspections are completed to identify irregularities
		3.5	Expansion joints are inspected to ensure they are clean and unobstructed
4	Notify findings of inspection	4.1	Notification of the findings of the inspection is completed in accordance with current and relevant standards
		4.2	Copies of the notification are sent to appropriate personnel and suitably filed following workplace procedures

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 • work requires individuals to demonstrate some discretion, judgement and problem solving
Tools and equipment include:	• straight edges (150 mm – 3 m) • spirit level • string line and chalk line • electrical resistance meter • tape measure • laser level • dumpy level • measuring pole • water level • hygrometer • thermometer probe • acid and alkaline testing equipment • electric drill • masonry drill bits
Materials include:	• timber strip flooring • construction sheet flooring • concrete floors • above grade, on grade and below grade floors
Timber sub-flooring inspections include:	• tests for moisture content • protruding nails • loose metal and other objects • cracked, loose, rotting or damaged boards • insect attack • cross-flow ventilation
Concrete sub-floor	• checks for any protruding obstacles • cracks or damage

- inspections include:**
- moisture
 - damage to expansion joints
 - concrete surface for weakness or damage
 - the presence of during agents
- Inspection notifications include:**
- the type of the inspection completed, testing methods used, inspection findings, suggested remedies to any faults identified and recommendations for floor coverings or finishing
- Personal protective equipment includes:**
- that prescribed under legislation, regulations and enterprise 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 LMFFL3101A Inspect sub-floors

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 MSFFL3003 Inspect sub-floors

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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
- Complete a minimum of:
 - one (1) timber sub-floor inspection and written notification
 - one (1) concrete sub-floor inspection and written notification
- 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
- Avoid backtracking, work flow interruptions or wastage
- Work with others and in a team by recognising dependencies and using cooperative approaches to optimise work flow and productivity

Knowledge Evidence

- Workplace safety system requirements related to floor inspection
- Type, characteristics and defects of:
 - timber sub-floor structures
 - concrete sub-floor structures
- Types and uses of inspection tools and equipment and procedures for their safe use, operation and maintenance
- Requirements for floor condition for floor coverings
- Characteristics and requirements of sub-floor preparation
- Work flow in relation to inspection processes and procedures

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 testing equipment, tools, materials and specifications relevant to sub-floor inspection.

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