Review of assessment tool

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| Unit of competency | *MSFFL2004: Moisture test timber and concrete floors* |
| Assessment tool version and date | Version 1: 2nd August 2017 |

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| **Reviewer’s name** | **Signature** | **Date** |
| Peter Johnston | Peter Johnston | 3/8/17 |
| Sam Smythe | Sam Smythe | 3/8/17 |

**Mapping to competency**

| **Elements / performance criteria** | **Practical dem.**  | **Theory questions** | **3rd party report** |
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| **1. Prepare for work**1.1 Applicable work health and safety (WHS), legislative and organisational requirements relevant to moisture testing timber and concrete are verified and complied with1.2 Customer enquiry and relevant information are consulted to determine the type of proposed flooring operation and other work requirements1.3 Moisture content requirements for the proposed flooring are determined from manufacturer or workplace information1.4 Tools, equipment and required materials are obtained and prepared for the work | General 1General 2General 2General 3 | Ass. 3, 4Ass. 1Ass. 2Ass. 3, 4 | 1, 2, 31042, 4 |
| **2. Conduct moisture testing on timber flooring and components**2.1 The type of floor construction materials and the building floor structure and substructure are identified2.2 Timber flooring is visually inspected to identify irregularities in moisture content2.3 Ventilation flow is confirmed and irregularities noted2.4 Floor joists, bearers and stumps are visually checked for moisture content irregularities2.5 Moisture testing of timber flooring, floor joists, bearers and stumps, and equilibrium moisture content (EMC) is completed in accordance with the approved process and standard | General 4General 5General 6General 7General 8 | AllcoveredinAss. 3 | 84444 |
| **3. Conduct moisture testing on concrete floors**3.1 The type of floor construction materials and the building floor structure and substructure are identified3.2 Concrete floor is visually inspected to identify irregularities in moisture content3.3 Moisture testing is completed in accordance with the approved process and Australian Standard | General 9General 10General 11 | AllcoveredinAss. 4 | 844 |
| **4. Notify findings of moisture tests**4.1 Notification of the findings of the moisture tests is completed in accordance with the current and relevant Australian standards4.2 Copies of the notification are sent to appropriate personnel and suitably filed following workplace procedures | General 12General 12 |  | 1010 |

| **Performance evidence** | **Practical dem.**  | **Theory questions** | **3rd party report** |
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| Comply with legislation, regulations, standards, codes of practice and established safe practices and procedures for sub-floor inspectionApply safe handling requirements for equipment, products and materials, including use of personal protective equipmentFollow work instructions, operating procedures and inspection practices to:• minimise the risk of injury to self and others• prevent damage to goods, equipment and products• maintain required production output and product qualityComplete a minimum of:• an electrical resistance moisture test on timber flooring, floor joists, bearers and stumps, including written notification of the test results• a hygrometer moisture test on concrete flooring, including written notification of test results• a capacitance moisture test on concrete flooring, including written notification of test resultsModify activities to cater for variations in workplace contexts and environmentCollect, organise and understand information related to work orders, plans and safety proceduresCommunicate 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 moisture testing outcomes and problemsWork with others and in a team by recognising dependencies and using cooperative approaches to optimise work flow and productivityUse pre-checking and inspection techniques to anticipate moisture testing problems to avoid re-work and wastageDiagnose and identify the causes and consequences of moisture irregularitiesRecognise and respond to circumstances outside instructions or personal competencePlan and organise activities, including the obtaining of equipment and materials to avoid any backtracking, work flow interruptions or wastageUse mathematical ideas and techniques to correctly complete measurements, calculate area and estimate other material requirementsMaintain current knowledge of:• moisture testing equipment and processes• timber and concrete materialsUse the workplace technology related to the moisture testing of timber and concrete, including tools, equipment, calculators and measuring devices | General 1, 2General 1, 2, 3General 1, 2, 3Specific dem. 1Specific dem. 2Specific dem. 3Specific 4General 2General 12, 13Specific 4Specific 4ThroughoutThroughout | Ass. 3, 4Ass. 3, 4Ass. 3, 4Ass. 3, 4Ass. 2Ass. 3, 4Ass. 3, 4 | 121, 2, 114446310, 1110,11115711982, 4, 8 |

| **Knowledge evidence** | **Practical dem.**  | **Theory questions** | **3rd party report** |
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| Workplace safety system requirements related to moisture testing timber and concreteTypes, characteristics and moisture content of:• timber sub-floor structures• concrete sub-floor structuresTypes and uses of moisture testing equipment and procedures for their safe use, operation and maintenanceRequirements for moisture content of selected timber flooring componentsCharacteristics and requirements of sub-floor moisture testingWork flow in relation to moisture testing processes and procedures | General 1ThroughoutThroughoutGeneral 8ThroughoutGeneral 1 | Ass. 3, 4Ass. 1, 2Ass. 3, 4Ass. 3Ass. 3, 4Ass. 3, 4 | 1, 282, 3, 84811 |

Review summary

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| **Are all elements and performance criteria reflected in the assessment tool?** |
| Yes – however, the background knowledge assignments should include an extra question on the procedure for writing up results and notifying other people who need to know the moisture test outcomes  |

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| **Are all performance and knowledge evidence requirements reflected in the assessment tool?** |
| Yes – however, the 3rd party report should have an extra point relating to notification of test results to other people |

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| **Do the assessment activities reflect actual workplace conditions?** |
| Yes |

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| **Is the level of difficulty of the assessment tasks in keeping with the activities being assessed?** |
| Yes |

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| **Is the assessment tool efficient and practical to implement?** |
| Yes |

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| **Is there more than one piece of evidence, collected in a range of contexts?** |
| Yes |

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| **Does the assessment tool enable appropriate evidence to be collected?** |
| Yes |

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| **Is the assessment tool clear and logical, and does it provide instructions on proper usage?** |
| Yes – instructions are provided for the candidate, assessor and workplace supervisor |

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| **Are benchmarks of performance provided for the assessor to use when making decisions?** |
| Yes – assignment questions have model answers for the assessor to use as a reference guide; practical demonstration criteria are clear and directly aligned to workplace performance |

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| **Recommendations for continuous improvement of assessment tool** |
| Include extra theory question and 3rd party point, as noted above. |