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 with  1.2 Customer enquiry and relevant information are consulted to determine the type of proposed flooring operation and other work requirements  1.3 Moisture content requirements for the proposed flooring are determined from manufacturer or workplace information  1.4 Tools, equipment and required materials are obtained and prepared for the work | General 1  General 2    General 2    General 3 | Ass. 3, 4  Ass. 1    Ass. 2    Ass. 3, 4 | 1, 2, 3  10  4  2, 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 identified  2.2 Timber flooring is visually inspected to identify irregularities in moisture content  2.3 Ventilation flow is confirmed and irregularities noted  2.4 Floor joists, bearers and stumps are visually checked for moisture content irregularities  2.5 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 4  General 5  General 6  General 7  General 8 | All  covered  in  Ass. 3 | 8  4  4  4  4 |
| **3. Conduct moisture testing on concrete floors**  3.1 The type of floor construction materials and the building floor structure and substructure are identified  3.2 Concrete floor is visually inspected to identify irregularities in moisture content  3.3 Moisture testing is completed in accordance with the approved process and Australian Standard | General 9  General 10  General 11 | All  covered  in  Ass. 4 | 8  4  4 |
| **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 standards  4.2 Copies of the notification are sent to appropriate personnel and suitably filed following workplace procedures | General 12  General 12 |  | 10  10 |

| **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 inspection  Apply safe handling requirements for equipment, products and materials, including use of personal protective equipment  Follow 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 quality  Complete 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 results  Modify activities to cater for variations in workplace contexts and environment  Collect, organise and understand information related to work orders, 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 moisture testing 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 anticipate moisture testing problems to avoid re-work and wastage  Diagnose and identify the causes and consequences of moisture irregularities  Recognise and respond to circumstances outside instructions or personal competence  Plan and organise activities, including the obtaining of equipment 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  Maintain current knowledge of:  • moisture testing equipment and processes  • timber and concrete materials  Use the workplace technology related to the moisture testing of timber and concrete, including tools, equipment, calculators and measuring devices | General 1, 2  General 1, 2, 3  General 1, 2, 3  Specific dem. 1  Specific dem. 2  Specific dem. 3  Specific 4  General 2  General 12, 13  Specific 4  Specific 4  Throughout  Throughout | Ass. 3, 4  Ass. 3, 4  Ass. 3, 4  Ass. 3, 4  Ass. 2    Ass. 3, 4  Ass. 3, 4 | 1  2  1, 2, 11  4  4  4  6  3  10, 11  10,11  11  5  7  11  9    8  2, 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 concrete  Types, characteristics and moisture content of:  • timber sub-floor structures  • concrete sub-floor structures  Types and uses of moisture testing equipment and procedures for their safe use, operation and maintenance  Requirements for moisture content of selected timber flooring components  Characteristics and requirements of sub-floor moisture testing  Work flow in relation to moisture testing processes and procedures | General 1  Throughout  Throughout  General 8  Throughout  General 1 | Ass. 3, 4  Ass. 1, 2  Ass. 3, 4  Ass. 3  Ass. 3, 4  Ass. 3, 4 | 1, 2  8  2, 3, 8  4  8  11 |

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. |