# Assessment Mapping (for streamlined units from new Training Packages)

*This document is used to demonstrate content validity of the assessment tool*

Table 1 Main details

| Details | Unique description |
| --- | --- |
| **Unit Code, name and release number** | MSL933008 - Perform calibration checks on equipment and assist with its maintenance (1) |
| **Skills Team** |  |
| **Region/Campus** |  |
| **SkillsPoint (owned by)** | Innovative Manufacturing, Robotics and Science |

* *Do NOT delete the section labelled Foundation Skills. If the Foundation skills ARE EXPLICIT in the performance criteria, they do not need to be listed. However, if the Foundation skills ARE NOT incorporated in the performance criteria they must be listed and mapped.*

## Unit component mapping to assessment event/s

Table 2 Unit component mapping to assessment event/s

| Element number | Element name | Performance criteria number | Performance criteria description | Learning resources | Knowledge  Assessment  1 of 2 | Skills Assessment  2 of 2 |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | Perform set-up and pre-use checks of laboratory equipment | 1.1 | Perform laboratory equipment set-up and pre-use checks in accordance with workplace procedures |  | Q25a, f | Task A 1-6  Reporting Sheet |
| 1.2 | Perform safety checks in accordance with relevant workplace and instrumental procedures |  | Q21a, d, h, Q24 | Task A 3  Reporting Sheet |
| 1.3 | Identify faulty or unsafe components and equipment and report to appropriate personnel |  | Q21i, Q25d | Task A 4-5  Reporting sheet |
| 1.4 | Complete equipment log books/records to meet workplace requirements |  | Q21m | Task A 6  Reporting sheet |
| 2 | Perform calibration checks | 2.1 | Start-up equipment according to operating procedures |  |  | Task B 3 |
| 2.2 | Use specified standards for calibration check |  |  | Task B 3  Reporting sheet |
| 2.3 | Check equipment in accordance with calibration procedures and schedules |  | Q21e | Task B 1 - 9 |
| 2.4 | Record all calibration data accurately and legibly |  | Q11 | Task B 6  Reporting sheet |
| 2.5 | Compare data with specifications and/or previous records to identify non-compliant equipment |  | Q18, | Task B 7 |
| 2.6 | Quarantine out-of-calibration equipment |  | Q17, Q27 | Task B 8-9  Reporting sheet |
| 3 | Assist with equipment maintenance | 3.1 | Ensure all equipment work areas are clean during and after equipment use |  | Q19 | Task C 1 |
| 3.2 | Perform basic maintenance in accordance with workplace procedures |  | Q12, Q21f | Task C 2, 3 |
| 3.3 | Clean and store equipment according to workplace and/or manufacturer's specifications/procedures |  | Q19, Q21j, k | Task C 6 |
| 3.4 | Identify and replace, repair or dispose of damaged/worn equipment |  | Q16, Q21i | Task C 4-5  Reporting sheet |
| 4 | Maintain records | 4.1 | Record maintenance details |  | Q21m | Task C 7  Reporting sheet |
| 4.2 | Report information on unsafe or faulty equipment according to workplace procedures |  | Q21m, Q25c, h | Task C 8  Reporting sheet |

## Foundation skills essential to performance are explicit in the performance criteria of this unit of competency

## Foundation skills NOT explicit in the performance criteria

Table 3 Foundation skills NOT explicit in the performance criteria

| Foundation skills | Description | Learning resources | Knowledge  Assessment  1 of 2 | Skills Assessment  2 of 2 |
| --- | --- | --- | --- | --- |
| Foundation skills are explicit in the performance criteria | | | | |

## Performance evidence

Table 4 Performance evidence

| Performance evidence | Description | Learning resources | Knowledge  Assessment  1 of 2 | Skills Assessment  2 of 2 |
| --- | --- | --- | --- | --- |
|  | There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and: |  |  |  |
| PE1 | Accurately performed set-up, pre-use and calibration checks for at least 2 different items of laboratory equipment using standard procedures |  |  | Task A 1- 6  Task B 1 -9 |
| PE2 | Performed appropriate cleaning and maintenance tasks for at least 2 different items of laboratory equipment. |  |  | Task C 1 - 8 |

## Knowledge evidence

Table 5 Knowledge evidence

| Knowledge evidence | Description | Learning resources | Knowledge  Assessment  1 of 2 | Skills Assessment  2 of 2 |
| --- | --- | --- | --- | --- |
|  | There must be evidence the candidate has knowledge of: |  |  |  |
| KE1 | Role and importance of regular calibration checks and maintenance of laboratory equipment |  | Q1, Q2, Q6, Q12, Q24, Q26 |  |
| KE2 | Function of key components of the laboratory equipment and details of the pre-use, calibration and safety checks and operating procedures for items of equipment used |  | Q21a, b, c, d, e, h | Task A 1 - 6,  B 1 - 9 |
| KE3 | Sources of uncertainty in laboratory equipment operation and their control |  | Q9, Q21 l |  |
| KE4 | Basic equipment used for cleaning and maintaining laboratory equipment |  | Q21j |  |
| KE5 | Common sources of faults in the instruments or equipment used and details of their repair |  | Q21 i, Q23 | Task C 4 |
| KE6 | Basic cleaning, maintenance and storage procedures for items of equipment used |  | Q21f, j, k, Q26 | Task C 2, 3, 6 |
| KE7 | Workplace procedures for recording calibration data and reporting results, communicating with service agents and suppliers and ordering stocks |  | Q15, 21 m, n, o, Q22, Q23 | Tasks A 2c, B 2c,  C 2 |
| KE8 | Relevant hazards, work health and safety (WHS) and environmental management, and control measures |  | Q4, Q7, Q10, Q14, Q20, Q21 a, g | Tasks A 2a, 2b,  B 2a, 2b, C 2a, 2b |
| KE9 | Good laboratory practice (GLP) |  | Q13, Q29 |  |
| KE10 | Legal and ethical requirements specific to the work task. |  | Q3, Q5, Q8, Q28 |  |

## Assessment conditions

Table 6 Assessment conditions

| Assessment conditions | Description |
| --- | --- |
|  | Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies. The following conditions must be met for this unit:   * use of suitable facilities, equipment and resources, including:   + standard laboratory equipped with appropriate equipment and reference materials; cleaning, decontamination and/or disinfection agents and equipment; and personal protective equipment (PPE)   + workplace procedures, equipment manuals and information/records management system.   Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors. |