# Assessment Mapping (for traditional units from old 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** | MEM09002B - Interpret technical drawing (1) |
| **Skills Team** |  |
| **Region/Campus** |  |
| **SkillsPoint (owned by)** | Innovative Manufacturing, Robotics and Science |

*NOTES:*

* *Event columns can be added or deleted as required*
* *Rows for elements and performance criteria, etc. can be added or deleted as required*
* *Each component of the unit must be mapped to at least* ***one assessment criteria*** *or* ***question*** *in one or more assessment events*
* *Do NOT delete the section labelled Employability Skills. If the Employability Skills ARE EXPLICIT in the performance criteria, they do not need to be listed. However, if the Employability Skills ARE NOT incorporated in the performance criteria they must be listed and mapped.*
* *Dimensions of Competency must be considered when selecting assessment types to ensure that the range of tasks you have chosen cover the following:*
  + *Task Skills*
  + *Task Management Skills*
  + *Contingency Planning Skills*
  + *Job Role Environment Skills*

## 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 | Project Assessment 2 of 2 |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | Select correct technical drawing | 1.1 | Drawing is checked and validated against job requirements or equipment | MEM09002B Interpret Technical Drawing (Mechanical Edition) Learner guide V1 |  | Part 1 – a, b, c  Part 2 - b  Part 4 – 1 |
|  |  | 1.2 | Drawing version is checked and validated |  | Part 1 – a, b, c  Part 2 - b  Part 4 – 1 |
| 2 | Interpret technical drawing | 2.1 | Components, assemblies or objects are recognised as required | Part 1 - Q7, 9, | Part 3 – Q4, 7, 9 |
|  |  | 2.2 | Dimensions are identified as appropriate to field of employment | Part 1 – Q1, 10, 11,  Part 3 – Q1, 3, 5 | Part 3 – Q9 |
|  |  | 2.3 | Instructions are identified and followed as required | MEM09002B Interpret Technical Drawing (Mechanical Edition) Learner guide V1 |  | Part 1 – a, b, c  Part 2 – a, b, c, d  Part 4 – 1, 2, 3 |
|  |  | 2.4 | Material requirements are identified as required | Part 1 – Q3, 4, 7, 8, 9 | Part 3 – Q4 |
|  |  | 2.5 | Symbols are recognised in the drawing as appropriate | Part 1– Q1, 2  Part 2 – Q1, 2, 3, 4, 5, 6, 7, 8 | Part 3 – Q8 |

Employability skills NOT explicit in the performance criteria

Table 3 Employability skills NOT explicit in the performance criteria

| Employability skills | Description | Learning resources | Knowledge Assessment  1 of 2 | Project Assessment  2 of 2 |
| --- | --- | --- | --- | --- |
|  | This unit contains employability skills embedded in the performance criteria |  |  |  |

## Required skills

Table 4 Required skills

| Required skills | Description | Learning resources | Knowledge Assessment  1 of 2 | Project Assessment  2 of 2 |
| --- | --- | --- | --- | --- |
|  | Look for evidence that confirms skills in: |  |  |  |
| RS1 | Checking the drawing against job requirements/related equipment in accordance with standard operating procedures |  |  | Part 1, 2, 4 |
| RS2 | Confirming the drawing version as being current in accordance with standard operating procedures |  |  | Part 1, 2, 4 |
| RS3 | Where appropriate, obtaining the current version of the drawing in accordance with standard operating procedures |  |  | Part 1, 2, 4 |
| RS4 | Reading, interpreting information on the drawing, written job instructions, specifications, standard operating procedures, charts, lists and other applicable reference documents |  | Task 1, 2a, 2,b, 2c  Part 1 – Q1,2, 3, 4, 5, 6, 7, 8, 9, 10, 11  Part 2 – Q1, 2, 3, 4, 5, 6, 7, 8  Part 3 – Q1,, 2, 3, 4, 5, 6, | Part 1, 2, 3 |
| RS5 | Checking and clarifying task related information |  |  | Part 2 |
| RS6 | Undertaking numerical operations, geometry and calculations/formulae within the scope of this unit |  | Part 1 – Q3, 4, 5,  Part 3 – 1, 5 | Part 3 – Q9 |

## Required knowledge

Table 5 Required knowledge

| Required knowledge | Description | Learning resources | Knowledge Assessment  1 of 2 | Project Assessment  2 of 2 |
| --- | --- | --- | --- | --- |
|  | Look for evidence that confirms knowledge of: |  |  |  |
| RK1 | Application of AS1100.101 in accordance with standard operating procedures |  | Part 1– Q 13 |  |
| RK2 | Relationship between the views contained in the drawing |  | Part 1 – Q12 |  |
| RK3 | Objects represented in the drawing |  | Part 1 – Q2,  Part 2 – Q1, 2, 3, 4, 5, 6, 7, 8 | Part 3 – Q7, 8 |
| RK4 | Units of measurement used in the preparation of the drawing |  | Part 1 – Q1 |  |
| RK5 | Dimensions of the key features of the objects depicted in the drawing |  | Part1 – Q7, 9, 10, 11  Part 3 – Q1, 3, 5 | Part 3 – Q9 |
| RK6 | Understanding of the instructions contained in the drawing |  | Part 1 – Q1, 2, 6, 9,  Part 2 – 1, 2, 3, 4, 5, 6, 7, 8  Part 3 – Q6 | Part 3 – Q9 |
| RK7 | The actions to be undertaken in response to those instructions |  | Part 1 – Q1, 2, 6, 9,  Part 2 – 1, 2, 3, 4, 5, 6, 7, 8  Part 3 – Q6 | Part 3 – Q9 |
| RK8 | The materials from which the object(s) are made |  | Part 1 – Q9 | Part 3 – Q4 |
| RK9 | Any symbols used in the drawing as described in range statement |  | Part 1 – Q1, 2, 6  Part 2 – Q1, 2, 3, 4, 5, 6, 7, 8  Part 3- Q4 | Part 3 – Q6, 8 |
| RK10 | Hazard and control measures associated with interpreting technical drawings, including housekeeping |  |  | Part 2 |
| RK11 | Safe work practices and procedures |  |  | Part 2 |

## Critical aspects

Table 6 Critical aspects

| Critical aspects | Description | Learning resources | Knowledge Assessment  1 of 2 | Project Assessment  2 of 2 |
| --- | --- | --- | --- | --- |
| CA1 | Assessors must be satisfied that the candidate can competently and consistently perform all elements of the unit as specified by the criteria, including required knowledge, and be capable of applying the competency in new and different situations and contexts. |  |  |  |