# 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** | MEM09002 - Interpret technical drawing (1) |
| **Skills Team** |  |
| **Region/Campus** |  |
| **SkillsPoint (owned by)** | Innovative Manufacturing Robotics and Science (IMRS) |

## 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 3 | Skills Assessment  2 of 3  3 of 3 |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | Determine job requirements | 1.1 | Follow standard operating procedures (SOPs) |  |  | Sk2: Task 2  Sk3: Task 2 |
|  |  | 1.2 | Comply with work health and safety (WHS) requirements at all times |  |  | Sk3: Task 2 - Table 7.0 |
|  |  | 1.3 | Identify job requirements from specifications, job sheets or associated work instructions |  |  | Sk2: Task 3  Sk2: Task 1: (d), (e), (f) |
| 2 | Interpret technical drawing | 2.1 | Check drawing and version and validate against job requirements |  |  | Sk2: Task 1: (a), (b), (c), (g)  Sk3: Task 1 - Table 3.0 |
|  |  | 2.2 | Recognise components and assemblies or objects |  | Part 1: Q17 | Sk2: Task 3: (a), (b), (c), (d), (e), (f), (g), (h), (i), (l), (m) |
|  |  | 2.3 | Identify dimensions, instructions and material requirements |  | Part 1: Q15, Q16  Part 3: Q1, Q3, Q5 | Sk2: Task 3: (n) |
|  |  | 2.4 | Recognise symbols used in the drawing |  | Part 3: Q6, Q7, Q8, Q9, Q10, Q11 | Sk2: Task 3: (i), (j), (k) |
|  |  | 2.5 | Compile list of required materials |  |  | Sk2: Task 4 – (a), (b) |

## 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 3 | Skills Assessment  2 of 3  3 of 3 |
| --- | --- | --- | --- | --- |
| Learning skills to | This unit contains foundation skills explicit in the Performance Criteria. |  |  |  |
| Reading skills to |  |  |  |
| Writing skills to |  |  |  |
| Oral communication skills to |  |  |  |
| Numeracy skills to |  |  |  |
| Problem solving skills to |  |  |  |
| Planning and organising skills to |  |  |  |
| Technology skills to |  |  |  |
| Teamwork skills to |  |  |  |

## Performance evidence

Table 4 Performance evidence

| Performance evidence | Description | Learning resources | Knowledge Assessment  1 of 3 | Skills Assessment  2 of 2  3 of 3 |
| --- | --- | --- | --- | --- |
|  | Evidence required to demonstrate competence in this unit must be relevant to and satisfy the requirements of the elements and performance criteria on at least two (2) occasions and include: |  |  |  |
| PE1 | Following work instructions, standard operating procedures (SOPs) and safe work practices |  |  | Sk2: Task 2: (a), (b), (c)  Sk3: Task 2: (a), (b), (c) |
| PE2 | Selecting, checking and validating technical drawing against job requirements or equipment |  |  | Sk2: Task 1: (a), (b), (c), (g)  Sk3: Task 1: (a), (b), (c), (d), (e), (f) |
| PE3 | Interpreting technical drawing through recognition of components, assemblies, objects and symbols |  |  | Sk2: Task 3: (a), (b), (c), (d), (e), (f), (g),  (h), (i), (l), (m)  Sk3: Task 3: (b), (c), (g) (h), (j), (k) |
| PE4 | Identifying dimensions |  |  | Sk2: Task 3: (n)  Sk3: Task 3: (a), (e) |
| PE5 | Applying drawing conventions appropriate to engineering discipline |  |  | Sk2: Task 3: (i), (j), (k)  Sk3: Task 3: (d), (f), (i) |
| PE6 | Compiling a materials list. |  |  | Sk2: Task 4 – (a), (b)  Sk3: Task 4: (a), (b) |

## Knowledge evidence

Table 5 Knowledge evidence

| Knowledge evidence | Description | Learning resources | Knowledge Assessment  1 of 3 | Skills Assessment  2 of 3  3 of 3 |
| --- | --- | --- | --- | --- |
|  | Evidence required to demonstrate the required knowledge for this unit must be relevant to and satisfy the requirements of the elements and performance criteria and include knowledge of: |  |  |  |
| KE1 | Safe work practices and procedures and use of personal protective equipment (PPE) |  | Part 1: Q1  Part 2: Q1 |  |
| KE2 | Application of AS 1100 Technical drawing or AS 1102 Graphical symbols |  | Part 1: Q2  Part 2: Q2 |  |
| KE3 | Conventions used in technical drawings |  | Part 1: Q3, Q4, Q5, Q6, Q18  Part 2: Q3, Q4, Q5, Q6, Q7 |  |
| KE4 | Correct interpretation of instructions contained in drawings |  | Part 1: Q10, Q11, Q12, Q14, Q19, Q20,  Part 3: Q2, Q4, Q5 |  |
| KE5 | Materials from which drawing object(s) are made and their features and manufacturing and assembly requirements. |  | Part 1: Q7, Q8, Q9, Q13, |  |

## Assessment conditions

Table 6 Assessment conditions

| Assessment conditions | Description | Learning resources | Knowledge  1 of 3 | Skills Assessment  2 of 3  3 of 3 |
| --- | --- | --- | --- | --- |
| AC1 | Assessors must: |  |  |  |
| AC1.1 | * have vocational competency in interpreting technical drawings at least to the level being assessed with relevant industry knowledge and experience |  | See People@TAFE | See People@TAFE |
| AC1.2 | * satisfy the assessor requirements in the Standards for Registered Training Organisations 2015 or its replacementand comply with the National Vocational Education and Training Regulator Act 2011, its replacementor equivalent legislation covering VET regulation in a non-referring state/territory as the case requires |  | See People@TAFE | See People@TAFE |
| AC2 | Where possible assessment must occur in operational workplace situations. Where this is not possible or where personal safety or environmental damage are limiting factors, assessment must occur in a sufficiently rigorous simulated environment that reflects realistic operational workplace conditions. This must cover all aspects of workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills |  |  | Entire Skills Assessments |
| AC3 | Conditions for assessment must include access to all tools, equipment, materials and documentation required, including relevant workplace procedures, product and manufacturing specifications |  |  | Entire Skills Assessments |
| AC4 | Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate. |  |  | Entire Skills Assessments |