# 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** | MEM07032 - Use workshop machines for basic operations (1) |
| **Skills Team** |  |
| **Region/Campus** |  |
| **SkillsPoint (owned by)** | Innovative Manufacturing, Robotics and Science |

## 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 | Skills Assessment  3 of 3 |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | Determine job requirements | 1.1 | Follow standard operating procedures (SOPs) |  |  | Task 1 Item 1,2,4  Task 2 Item 1,9 | Task 1 Item 1,2,4  Task 2 Item 1,7 |
|  |  | 1.2 | Comply with work health and safety (WHS) requirements at all times |  | Part 1 Qu1  Part 2 Qu 1,2,5 | Task 1 Item 1,2,4  Task 2 Item 1,9 | Task 1 Item 1,2,4  Task 2 Item 1,7 |
|  |  | 1.3 | Use appropriate personal protective equipment (PPE) in accordance with SOPs |  | Part 3 Qu 1 | Task 1 Item 1,2  Task 2 Item 1 | Task 1 Item 2  Task 2 Item 1 |
|  |  | 1.4 | Identify job requirements from specifications, sketches, job sheets or work instructions |  | Part 3 Qu 10 | Task 2 Item 2,8 | Task 2 Item 2 |
| 2 | Set up machine | 2.1 | Select appropriate machine and tools to meet work requirements |  |  | Task 2 Item 3,7 | Task 2 Item 2,3,4 |
|  |  | 2.2 | Sharpen cutting tools, as required |  |  | Task 1 Item 3  Task 2 Item 3 | Task 1 Item 3 |
|  |  | 2.3 | Install tools according to procedures |  |  | Task 2 Item 3 | Task 2 Item 4,5 |
|  |  | 2.4 | Set guards and adjust, as required |  |  | Task 1 Item 2  Task 2 Item 1,4 | Task 1 Item 2 |
| 3 | Operate machine | 3.1 | Mount material to be machined and secure using clamping device/ appropriate to the material and work requirements |  |  | Task 2 Item 4 | Task 2 Item 3 |
|  |  | 3.2 | Operate machine to suit work and material requirements |  |  | Task 2 Item 5,7 | Task 2 Item 3,5 |
|  |  | 3.3 | Check machined component against work requirements and predetermined finish |  |  | Task 2 Item 5,7 | Task 2 Item 2,5,6 |
|  |  | 3.4 | Make adjustments, as required |  |  | Task 2 Item 5,7 | Task 2 Item 4,5 |
|  |  |  |  |  |  |  |  |

## 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 | Skills Assessment  3 of 3 |
| --- | --- | --- | --- | --- | --- |
| Learning skills to | Foundation skills essential to performance are explicit in the performance criteria of this unit of competency. | | | | |
| 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 3 | Skills Assessment  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 |  |  | Task 1 Item 1,2,4  Task 2 Item 1,9 | Task 1 Item 1,2,4  Task 2 Item 1,7 |
| PE2 | Identifying and interpreting specifications and work instructions for machine operations |  |  | Task 2 Item 2,8 | Task 1 Item 1,2,4  Task 2 Item 2 |
| PE3 | Setting up machines and selecting, sharpening and mounting tools required for the required job |  |  | Task 1 Item 3  Task 2 Item 3,7 | Task 1 Item 3  Task 2 Item 4,5 |
| PE4 | Mounting the material to be processed and safely operating the machine |  |  | Task 2 Item 4,6 | Task 2 Item 3 |
| PE5 | Checking machined components to ensure it meets specifications and making adjustments, as required. |  |  | Task 2 Item 5,6,7 | Task 1 Item 3  Task 2 Item 2,4,5,6 |
|  |  |  |  |  |  |

## Knowledge evidence

Table 5 Knowledge evidence

| Knowledge evidence | Description | Learning resources | Knowledge Assessment  1 of 3 | Skills Assessment  2 of 3 | Skills Assessment  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 Qu 1  Part 2 Qu 1,2,5  Part 3 Qu 1,2,10 |  |  |
| KE2 | Cutting tool sharpening methods and techniques |  | Part 1 Qu 4,9  Part 2 Qu 4  Part 3 Qu 3,5 |  |  |
| KE3 | Units of measurement, tool geometry and numerical operations required for basic machining operations |  | Part 1 Qu 6,7,8  Part 3 Qu 3,4,5 |  |  |
| KE4 | Safe operation of tool sharpening equipment and consequences of incorrect sharpening |  | Part 1 Qu 3,5,9,12 |  |  |
| KE5 | Machine set-up and consequences of incorrect speeds and feeds |  | Part 1 Qu 6,7,10,11  Part 2 Qu 6,7  Part 3 Qu 6,7,8,9 |  |  |
| KE6 | Procedures for operating workshop machines |  | Part 1 Qu 2,3,4  Part 2 Qu 3  Part 3 Qu 8,10 |  |  |
| KE7 | Reasons for poor surface finish. |  | Part 1 Qu 5,10,11  Part 2 Qu 6,7  Part 3 Qu 6,7 |  |  |
|  |  |  |  |  |  |

## Assessment conditions

Table 6 Assessment conditions

| Assessment conditions | Description | Learning resources | Knowledge Assessment  1 of 3 | Skills Assessment  2 of 3 | Skills Assessment  3 of 3 |
| --- | --- | --- | --- | --- | --- |
| AC1 | Assessors must: |  |  |  |  |
| AC1.1 | * have vocational competency in using workshop machines for basic operations at least to the level being assessed with relevant industry knowledge and experience |  | Records maintained by People@TAFE | | |
| AC1.2 | * satisfy the assessor requirements in the Standards for Registered Training Organisations 2015 or its replacement and 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 |  | Records maintained by 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 Event | Entire Event | Entire Event |
| AC3 | Conditions for assessment must include access to all tools, equipment, materials and documentation required, including relevant workplace procedures, product and manufacturing specifications |  | Listed in Assessor must provide | Listed in Assessor must provide | Listed in Assessor must provide |
| 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 Event | Entire Event | Entire Event |
|  |  |  |  |  |  |