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| Title | **Perform basic metal processing operations using hand-held power tools** | | |
| Level | **2** | **Credits** | **12** |

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| Purpose | This competency standard is intended for those who perform basic metal processing operations using hand-held power tools in a variety of contexts. People holding credit for this competency standard are able to: Plan and prepare for work; perform grinding operations; perform drilling operations; and complete work. |

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| Classification ISCED | 0713 Electricity and energy |

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| Available grade | Competent / Not yet competent |

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| Modification history | N/A |

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| **Competency Unit** | **Performance Criteria** | **Knowledge and Understanding** |
| **E1:**  **Plan and prepare for work** | **Trainee will be able to:**  **P1-** Determine job requirements from specifications  **P2-** Identify and select auxiliary tools, devices and/or equipmentto carry out work processes in a safe manner  **P3-** Identify and minimise hazards and risks associated with job requirements | **K1-** Safety procedures, including PPE  **K2-** Auxiliary tools, devices and equipment  **K3:**Potential risks and hazards for self and others associated with metal processing |
| **E2:**  **Perform grinding and cutting operations** | **Trainee will be able to:**  **P1-** Select grinding/cuttingtools &equipment according to job requirements  **P2-** Apply safe grinding/cutting process  **P3-** Check for conformance with job requirements | **K1-** Types and application of grinding/cuttingdisks, and accessories  **K2**- Metal types and properties  **K3**- Safe working procedures |
| **E3:**  **Perform drilling operations** | **Trainee will be able to:**  **P1-**Select drilling tools &equipment according to job requirements  **P2-** Apply safe drilling process  **P3-** Check for conformance with job requirements | **K1-** Types and application of drills, accessories, and lubricants  **K2**- Drilling speed and feed  **K3**- Safe working procedures |

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| **E4:**  **Complete work** | **Trainee will be able to:**  **P1-** Complete work related documents and procedures  **P2-** Perform final quality inspection  **P3-** Clean up and store tools, equipment and materials | **K1-** Importance of documentation  **K2-** Importance of quality assurance  **K3-** Waste disposal procedures; care of tools and equipment |