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| Title | **Perform basic civil construction works using hand tools** | | |
| Level | **1** | **Credits** | **6** |

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| Purpose | This competency standard is intended for those who perform basic civil construction works using hand tools in a variety of contexts. People holding credit for this competency standard are able to: Plan and prepare for work; perform measurements; perform excavations; 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** |
| **I1:**  **Prepare for work** | **Trainee will be able to:**  **P1-** Obtain job requirements from specifications/ Instruction  **P2-** Identify auxiliary tools and/or equipment to carry out the job  **P3-** Select auxiliary tools and/or equipment to carry out work processes in a safe manner  **P4-** Identify hazards and risks associated with job requirements  **P5-** Minimise hazards and risks associated with job requirements | **K1-** Safety procedures, including PPE  **K2-** Types of auxiliary tools and equipment  **K3-** Potential risks and hazards associate with construction works |
| **I2:**  **Perform measurements** | **Trainee will be able to:**  **P1-** Select measuring tool according to job requirements  **P2-** Apply suitable measuring process  **P3-** Check for conformance with job requirements | **K1-** Types and application of measuring tools  **K2**- Measuring procedures  **K3**- Safe working procedures |
| **I3:**  **Perform excavation** | **Trainee will be able to:**  **P1-** Select excavation hand-tools according to job requirements  **P2-** Apply excavation process  **P3-** Check for conformance with job requirements | **K1-** Types and application of excavation tools  **K2**- Excavating procedures  **K3**- Safe working procedures |
| **I4:**  **Complete work** | **Trainee will be able to:**  **P2-** Perform final quality inspection at work environment  **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  **K4-** Procdure of storing equipments |