|  |  |  |  |
| --- | --- | --- | --- |
| Title | **Test electrical and electronic parameters** | | |
| Level | **2** | **Credits** | **13** |

|  |  |
| --- | --- |
| Purpose | This competency standard is intended for those who carry out electrical operations. People holding credit for this competency standard are able to: Perform testing; diagnose faults; and remove faults. |

|  |  |
| --- | --- |
| Classification ISCED | 0713 Electricity and energy |

|  |  |
| --- | --- |
| Available grade | Competent / Not yet competent |

|  |  |
| --- | --- |
| Modification history | N/A |

|  |  |  |
| --- | --- | --- |
| **Competency Unit** | **Performance Criteria** | **Knowledge and Understanding** |
| **E1:**  **Perform Testing** | **P1-** Conduct visual inspection  **P2-** Implement testing procedures  **P3-** Check testing equipment calibration | **K1-** Damage identification in terms of cracks, disorder in shape and structure, broken parts  **K2-** Process of different tests; Electrical parameters |
| **E2:**  **Diagnose fault** | **P1-** Interpret test results  **P2-** Implement troubleshooting procedures and identify fault | **K1-** Interpretation of drawings and circuit diagrams  **K2**- Troubleshooting procedures; Electrical and electronic parameters |
| **E3:**  **Remove faults** | **P1-** Repair or replace component parts  **P2-** Carry out operational testing  **P3-** Maintain SOPs | **K1-** Interpretation of drawings and circuit diagrams; product knowledge  **K2-** Product knowledge; Testing procedures and equipment |