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| Title | **Test electrical machines** |
| Level | **2** | **Credits** | **10** |

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| 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. |

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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** |
| **H1:****Perform testing**  | **P1-** Conduct visual inspection**P2-** Implement testing procedures | **K1-** Damage identification in terms of cracks, disorder in shape and structure, broken parts**K2-** Process of different tests; Electrical parameters |
| **H2:****Diagnose faults** | **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 |
| **H3:****Remove faults** | **P1-** Repair or replace component parts**P2-** Carry out operational testing | **K1-** Interpretation of drawings and circuit diagrams; product knowledge**K2-** Product knowledge; Testing procedures and equipment |