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| Title | **Rewind machines** | | |
| Level | **2** | **Credits** | **8** |

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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: Plan and prepare for installation; perform machine installation; carry out operational testing; 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:**  **Plan and prepare for rewinding** | **P1-** Identify and obtain safety and other regulatory requirements for rewinding  **P2-** Arrange tools and equipment | **K1-** Safety requirements; Specifications; Hazard identification  **K2-** Tools and equipment requirements |
| **I2:**  **Perform troubleshooting** | **P1-** Interpret and confirm rewinding specifications  **P2-** Carry out testing procedures  **P3-** Determine fault  **P4-** Document and report results | **K1-** Rewinding requirements  **K2-** Testing procedures  **K3-** Fault identification; Analysis of test results  **K4-** Supervisor and/or client communication |
| **I3:**  **Perform rewinding operations** | **P1-** Remove and replace faulty winding  **P2-** Rewind machine  **P3-** Perform winding tests | **K1-** Replacement procedures  **K2-** Rewinding procedures  **K3-** Types of winding tests |
| **I4:**  **Complete work** | **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; customer care procedures and techniques  **K2-** Importance of quality; handing over to client  **K3-** Waste disposal procedures; care of tools and equipment |