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| Title | **Perform distribution of electrical supply** | | |
| Level | **3** | **Credits** | **9** |

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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: review electrical load schedule, set distribution priority, monitor electrical load. |

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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** |
| **D1:**  **Review electrical load schedule** | **P1**- Check layout plan  **P2-** Check input & output voltages  **P3-** Check voltage drops  **P4- U**nderstand Load requirements | **K1-** Interpretation of drawings, symbols, cable number, colour coding and electrical load schedule  **K2-** Maintenance of input and output voltages  **K3-** Methods of calculation of voltage drops, overloading and load balance |
| **D2:**  **Set distribution priority** | **P1-** Review distribution priority plan  **P2-** Reschedule electrical load as per distribution priority | **K1-** Interpretation of distribution priority plan  **K2-** Methods of rescheduling of electrical loads |
| **D3:**  **Monitor electrical load** | **P1-** Monitor electrical load (current)  **P2-** Monitor power consumption (energy)  **P3-** Monitor voltage drops  **P4-** Perform logout/tag out | **K1-** Methods of current measurement (Amperes)  **K2-** Methods of energy measurement in (KWH)  **K3-** Methods of voltage drop measurement (Volt)  **K4-** Methods of log out / tag out and labelling  **K5-** should be able to understand values readings, graphs from remote monitoring discuss |