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| Title | **Monitor constant electricity supply under supervision** | | |
| Level | **2** | **Credits** | **10** |

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| Purpose | This competency standard is intended for those who are responsible for monitoring constant electricity supply under different load conditions in a variety of contexts. People holding credit for this competency standard are able to: review electrical load schedule, set distribution priority, monitor main and ballast 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** |
| **M1:**  **Review electrical load schedule** | **Trainee will be able to:**  **P1**- Check layout plan  **P2-** Check input & output voltages  **P3-** Check voltage drops | **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 |
| **M2:**  **Set distribution priority** | **Trainee will be able to:**  **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 |
| **M3:**  **Monitor main and ballast load** | **Trainee will be able to:**  **P1-** Monitor electrical load (current)  **P2-** Monitor power consumption (energy)  **P3-** Monitor voltage drops  **P4-** Perform logout/tagout | **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-** Control panels and protection devices  **K6-** Electronic Load Controller (ELC) |