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| Title | **Control MHP plant shutdown for emergency standby electrical systems** |
| Level | **4** | **Credits** | **3** |

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| Purpose | This competency standard is intended for people in a senior position who are responsible for controlling MHP plant shutdown for emergency standby electrical systems. People holding credit for this competency standard are able to: Prepare emergency standby electrical system; shut down and isolate emergency standby electrical system; service emergency standby electrical system; monitor emergency standby electrical system and stabilise transient condition. |

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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** |
| **C1:** **Prepare emergency standby electrical system** | Trainee will be able to:**P1-** Ensure pre-conditions for plant preparation are met**P2-** Prepare plant for service**P3-** Document preparation for plant shut-down procedures | **K1-** Safety requirements; Specifications; Hazard identification**K2-** Impact of decision on plant operation**K3-** Pre-condition procedures |
| **C2:** **Shut down and isolate emergency standby electrical system** | Trainee will be able to:**P1-** Carry out pre-condition for shutdown procedure**P2-** Isolate emergency standby electrical system**P3-** Document plant shutdown and isolation | **K1-** Shutdown procedure**K2-** Isolation procedure**K3-** Documentation process |
| **C3:** **Service emergency standby electrical system** | Trainee will be able to:**P1-** Apply hazard and risk identification **P2-** Conduct servicing procedures**P3-** Document servicing procedure | **K1-** Problem solving process **K2-** Energy conversion process**K3-** Mechanical plant component application and interrelation**K4-** Electrical plant component application and interrelation**K5-** Function of instrumentation components**K6-** Documentation process |

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| **C4:** **Monitor emergency standby electrical system and stabilise transient condition** | Trainee will be able to:**P1-** Monitor plant operating condition**P2-** Identify and react upon out of normal conditions**P3-** Compare actual output values against expected requirements**P4-** Document transient conditions, actions and results | **K1-** Priority setting**K2-** Documentation process |