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| Title | **Perform repair and maintenance of electrical appliances** |
| Level | **2** | **Credits** | **5** |

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| Purpose | The competency standard identifies the knowledge and skills required to diagnose faults, cause of faults and fix the problems of electrical appliance.  |

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| Classification ISCED | 0732 Building and civil engineering |

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| Available grade | Competent / Not yet competent |

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| Modification history | N/A |

| **Competency Unit** | **Performance Criteria** | **Knowledge and Understanding** |
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| **Trace fault of Wiring /Appliances** | **Trainee must be able to:****P1-** Select the required Tools and equipment for Tracing The Fault**P2-** Perform Physical Inspection**P3-**Check the Supply**P4-** Trace the wiring fault**P5-** Check the appliance **P6-** Trace the fault | **Trainee must know and understand:**K1- Types of toolsK2- Types of faultsK3- Types of Electrical circuitK4- Types of SupplyK5- Techniques and procedure for Tracing faults |
| **F2:****Remove Fault (wire cable /switch/circuit breaker)** | **Trainee must be able to:****P1-** Select required tools for removing the fault **P2-** Repair Damaged part **P4-** Check specification of the damaged part**P5-**Replace Damaged part as per specification **P6-** Check Workability of replaced/Repaired parts  | **Trainee must know and understand:**K1- Type of ToolsK2- Types of faultsK3- Types of Electrical circuitK4- Types of SupplyK5- Techniques and procedure for Tracing faultsK6- About the market information about the rates, trade and substitute of appliance e.t.c  |
| **F3:****Repair/Replace electrical appliances** | **Trainee must be able to:****P1-**Diagnose the faults of appliances. **P2-** Diagnose the cause of faults of appliances. **P3-** Select required tools for removing the fault **P4-** Repair Damaged part .**P5-** Check specification of the damaged part**P6-**Replace Damaged part as per specification **P7-** Replace the appliances (Light Bulb, Belt etc.)**P8-** Check Workability of replaced/Repaired parts/appliances | **Trainee must know and understand:**K1-Types of faultsK2- Types of Electrical circuitK3- Types of SupplyK4- Techniques and procedure for removing faultsK5- About the market information about the rates, trade and substitute of appliance e.t.c |