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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 tools  K2- Types of faults  K3- Types of Electrical circuit  K4- Types of Supply  K5- 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 Tools  K2- Types of faults  K3- Types of Electrical circuit  K4- Types of Supply  K5- Techniques and procedure for Tracing faults  K6- 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 faults  K2- Types of Electrical circuit  K3- Types of Supply  K4- Techniques and procedure for removing faults  K5- About the market information about the rates, trade and substitute of appliance e.t.c |