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| Title | **Perform preventive maintenance** | | |
| Level | **2** | **Credits** | **6** |

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| Purpose | N/A |

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| Classification ISCED | 0714 Electronics and automation |

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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** | **Tools & Equipment** |
| --- | --- | --- | --- |
| **D1.** Inspect equipment | ***You must be able to:***   1. Inspect physical condition 2. Check electrical components 3. Check mechanical components 4. Fill checklist for preventive maintenance | *You need to know and understand:*   1. Explain preventive maintenance schedule 2. Explain specification of parts 3. Explain functionality of parts 4. Explain component life cycle 5. Explain maintenance parameters of parts |  |
| **D2.** Cleanequipment | ***You must be able to:***   1. Arrange cleaning agent 2. Clean physical component 3. Clean filters 4. Clean electrical components/ connections | *You need to know and understand:*   1. Explain cleaning schedule 2. Explain functionality of parts 3. Explain component life cycle 4. Explain cleaning parameters of parts |  |
| **D3.** Lubrication mechanical parts | ***You must be able to:***   1. Arrange lubrication agent 2. Clean moving parts 3. Apply lubrication accordingly | *You need to know and understand:*   1. Explain lubrication schedule 2. Explain type of lubrication 3. Explain lubricants life cycle 4. Explain procedure of lubrication process |  |
| **D4.** Align equipment | ***You must be able to:***   1. Arrange alignment tools and equipment 2. Perform alignment of components 3. Check noise level | *You need to know and understand:*   1. Describe aligning tools 2. Explain procedure of aligning 3. Explain basic principles of alignment 4. Brief noise level checking procedure |  |
| **D5.** Ensure parts life cycle | ***You must be able to:***   1. Check output ratio 2. Check physical condition | *You need to know and understand:*   1. Explain preventive maintenance schedule 2. Explain specification of parts 3. Explain functionality of parts 4. Explain component life cycle 5. Explain maintenance parameters of parts |  |
| **D6.** Demonstrate equipment | ***You must be able to:***   1. Arrange power source 2. Attach accessories accordingly 3. Perform test run 4. Demonstrate accordingly | *You need to know and understand:*   1. Explain functionality of parts 2. Brief demonstration procedure of equipment |  |