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| 1. Title               | Consolidate power supply network design data for extensive use  |
| 2. Code                | EMELDE707A  |
| 3. Range               | Applicable to electrical engineering design. Assess power supply network design numerical and graphical data so that they can be used extensively.  |
| 4. Level               | 7   |
| 5. Credit              | 6   |
| 6. Competency          | <p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Understand power supply network design and operating data</p> <ul style="list-style-type: none"> <li>◆ Understand power supply network design and operating data such as working life of various types of electrical equipment, repair items, average failure rate, work efficiency, noise, etc.</li> </ul> <p>6.2 Consolidate power supply network design and operating data and turn them into useful statistical information so that they can be used extensively</p> <ul style="list-style-type: none"> <li>◆ Collect and consolidate design and operating data for the whole power supply network such as: <ul style="list-style-type: none"> <li>• Investment and operational costs for different levels of power supply network</li> <li>• Performance data for different levels of power supply network equipment, such as their working life, repair items, average failure rate, work efficiency, noise, etc.</li> <li>• Operational costs for the whole power supply network</li> <li>• Load profile mode for different levels of power supply network</li> <li>• Figures of current flow, voltage sag, power flow, etc. for different levels of power supply network</li> </ul> </li> <li>◆ Turn the above-mentioned data into useful statistical information so that they can be used extensively</li> </ul> |
| 7. Assessment Criteria | <p>The integrated outcome requirement of this unit of competency is:</p> <p>(i) Capable to use statistical skills to consolidate power supply network design and operating data and turn them into useful statistical information so that they can be used extensively.</p>   |
| 8. Remarks             |   |