

1. Title	Use highly specialized technical skills to explore the conditions of existing power supply system for economic despatch and further improvement
2. Code	EMELDE601A
3. Range	Applicable to electrical work. Use highly specialized technical or scholastic skills to precisely analyze, critically review and consolidate evidence for the problems of power supply network to find out the most optimum operating points and areas that can be further improved in the existing system.
4. Level	6
5. Credit	9
6. Competency	<p style="text-align: center;"><u>Performance effectiveness Requirements</u></p> <p>6.1 Understand the performance effectiveness and weaknesses of the existing power supply system</p> <ul style="list-style-type: none"> ◆ Understand the internal and external factors affecting the performance of the existing power supply system ◆ Understand the causes and effects of the internal and external factors ◆ Understand the weaknesses of the existing power supply system <p>6.2 Master highly specialized technical skills to find out the potential problems of the existing power supply system</p> <ul style="list-style-type: none"> ◆ Review the weaknesses of the existing power supply system, put forward items for study to improve the system performance ◆ Use highly specialized technical or scholastic skills across the area of power supply system design and application to precisely analyze, critically review and consolidate evidence for the potential problems in the power supply network to find out the best performance effectiveness and areas that can be improved in the existing system ◆ Use highly specialized technical skills to conduct an in-depth and thorough research in the structure, functions and management mechanism of the existing power supply system <p>6.3 Professionalism in using highly specialized technical skills to improve the effectiveness and safety performance of the existing power supply system</p> <ul style="list-style-type: none"> ◆ Use highly specialized technical skills to ensure that the existing power supply system is safe to use ◆ Follow the strict legal and professional requirements to improve the effectiveness and safety performance of the existing power supply system
7. Assessment Criteria	The integrated outcome requirement of this unit of competency is: (i) Capable to master highly specialized technical skills to find out the weaknesses and potential problems of the existing power supply system put forward items for study to improve the system performance.
8. Remarks	