

1. Title	Apply SCADA system to remote control design
2. Code	EMCUDE505A
3. Range	Apply the working principles of SCADA system to remote control design in order to transmit signals and data of the power system to the control room at electrical and mechanical engineering workplaces with power system, railway system, etc.
4. Level	5
5. Credit	6
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Principle of SCADA system</p> <ul style="list-style-type: none"> ◆ Understand the operating principle of SCADA system and list out popular examples of applying SCADA to power system and railway system <p>6.2 Application of SCADA system</p> <ul style="list-style-type: none"> ◆ Master SCADA remote control to transmit data needed by the power system and railway system to the remote control room ◆ Design complex remote control programme to transmit data of different levels to the control rooms concerned
7. Assessment Criteria	<p>The integrated outcome requirement of this unit of competency is:</p> <p>(i) Capable to apply the SCADA system, and master and design remote control programme applicable to power system and railway system to transmit relevant data to different control rooms concerned.</p>
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses basic knowledge of electricity.