



Australian Government

UETDRSO020 Operate SCADA equipment

Release: 1

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Modification History

Release 1. This is the first release of this unit of competency in the UET Transmission, Distribution and Rail Sector Training Package Release 4.0.

Application

This unit includes the skills and knowledge required to operate supervisory control and data acquisition (SCADA) equipment in the electricity supply industry (ESI).

It includes setting limits, operational parameters, alarms and events, control schemes, and communication with relevant personnel.

It also includes switching programs, feedback, extracting network data, testing and commissioning, failover, and dealing with unplanned events.

The application of the skills and knowledge described in this unit may require a licence/registration to practice in the workplace.

Other conditions may also apply under state and territory legislative and regulatory licensing requirements which must be confirmed prior to commencing this unit.

Pre-requisite Unit

Not applicable.

Competency Field

System Operations

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Prepare to operate

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

1.1 Legislation, regulations, standards, codes of practice and organisational workplace requirements for the

SCADA equipment	work to be done are reviewed and determined
1.2	System monitoring and control procedures are discussed with relevant personnel in accordance with workplace procedures
1.3	Operational parameters are determined in accordance with workplace requirements
1.4	Work roles and tasks are determined according to requirements and individual competencies
1.5	Work is prioritised and sequenced for completion in accordance with workplace requirements
1.6	Liaison and communication issues with others/authorised personnel, authorities and clients are resolved and activities coordinated to carry out work
1.7	Hazards are identified, risks assessed, and control measures identified and applied
2 Operate SCADA equipment	2.1 Legislation, regulations, standards, codes of practice and organisational workplace requirements for the work to be performed are applied and monitored
2.2	SCADA equipment is operated in accordance with workplace requirements
2.3	SCADA information accuracy is evaluated in accordance with workplace requirements
2.4	The effectiveness of operations is analysed for best outcomes in accordance with workplace requirements
2.5	Incidents or unplanned events are responded to in accordance with workplace requirements
3 Complete work and documentation	3.1 Completed work is checked for compliance against workplace requirements
3.2	Work records, reports and documentation are completed, and appropriate personnel notified in accordance with workplace requirements

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Non-essential conditions may be found in the UET Transmission, Distribution and Rail Sector Training Package Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is not equivalent to UETDRSO45 Operate and monitor system SCADA equipment.

Links

Companion Volume Implementation Guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=229bace1-b7bc-4653-9300-dffb13ecfad7>