



Australian Government

UETTD RDS40 Prepare and appraise power systems financial impact statements

Release: 1

UETTRDS40 Prepare and appraise power systems financial impact statements

Modification History

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

Application

This unit covers the creation, interpretation and application of financial impact statements in electricity network infrastructure augmentations, maintenance and construction activities. It includes project scoping, cost estimating, providing economic justifications and cost-benefit analysis, and the use of guarantee and capital contribution arrangements with customers.

The application of the skills and knowledge described in this unit may require a licence/registration to practice in the workplace subject to regulations for undertaking of electrical work.

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

Pre-requisite Unit

All competencies in the Common Unit Group must have been completed, plus all competencies in one (1) of the identified Pathway Unit Group(s).

Common Unit Group

UEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace

UEENEEE104A Solve problems in d.c. circuits

UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications

UEENEEG101A Solve problems in electromagnetic devices and related circuits

UEENEEG102A Solve problems in low voltage a.c. circuits

UETTDREL11 Apply sustainable energy and environmental procedures

UETTDREL16 Working safely near live electrical apparatus

UETTDRLS62 Implement and monitor the power system organisational WHS/OHS policies, procedures and programs

UETTDRLS63 Implement & monitor power system environmental & sustainable energy management policies & procedures

Testing Pathway Unit Group

UEENEED104A Use engineering applications software on personal computers
UEENEEE102A Fabricate, assemble and dismantle utilities industry components
UEENEEE124A Compile and produce an energy sector detailed report
UEENEEE125A Provide engineering solutions for problems in complex multiple path circuits
UEENEEE126A Provide solutions to basic engineering computational problems
UEENEEG149A Provide engineering solutions to problems in complex polyphase power circuits
UETTD RTS21 Maintain interdependent network protection and control systems
UETTD RTS22 Commission interdependent network protection and control systems
UETTD RTS29 Develop power systems secondary isolation instructional documents
UETTD RTS35 Maintain complex network protection and control systems

Design Pathway Unit Group

UETTD RDS39 Prepare and manage detailed construction plans for electrical power system infrastructure

Competency Field

Design

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

PERFORMANCE CRITERIA

Elements describe the essential outcomes.

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

1 Plan for and coordinate the preparation and appraisal of financial impact statements

- 1.1** Work health and safety (WHS)/occupational health and safety (OHS) practices/procedures and environmental and sustainable energy procedures, which may influence the preparation and appraisal of financial impact statements, are reviewed and determined
- 1.2** Purpose of the financial statement is established and expected outcomes of the work are confirmed with appropriate personnel
- 1.3** Established procedures, policies and specifications for financial impact statement preparation and appraisal are

- obtained or established with appropriate personnel
- 1.4 Work is prioritised and sequenced for the most efficient and effective outcome following consultation with others for completion within acceptable timeframes, to a quality standard and in accordance with established procedures
 - 1.5 Risk control measures are identified, prioritised and evaluated against the work schedule
 - 1.6 Liaison and communication issues with others/authorised personnel, authorities, clients and land owners are resolved and activities coordinated to carry out work
 - 1.7 Personnel participating in the work are fully briefed and respective responsibilities coordinated and authorised, where applicable, in accordance with established procedures
- 2 Carry out and coordinate the preparation and appraisal of financial impact statements**
- 2.1 Circuit system modelling is used to evaluate alternative proposals in accordance with established procedures
 - 2.2 WHS/OHS and sustainable energy principles, functionality and practices to reduce the incidence of accidents and minimise waste are incorporated into the project in accordance with requirements and/or established procedures
 - 2.3 Quality of work is monitored against personal performance agreement and/or established organisational and professional standards
 - 2.4 Technical advice is given to potential hazards, safety risks and control measures so that monitoring and preventative action can be undertaken and/or appropriate authorities consulted, where necessary, in accordance with requirements and established procedures
 - 2.5 Essential knowledge and associated skills are applied to analyse specific data and compare it with compliance specifications to ensure completion of the project within an agreed timeframe according to requirements
- 3 Complete and coordinate the preparation and**
- 3.1 Final inspections of the financial impact statement are undertaken to ensure they comply with all requirements

appraisal of financial impact statements

and include all specifications and documentations needed to complete the appraisal brief

- 3.2 Appropriate personnel are notified of completion and reports and/or completion documents are finalised
- 3.3 Reports and/or completion documents are submitted to relevant personnel/organisations for approval and, where applicable, statutory or regulatory approval
- 3.4 Approved copies of financial impact statement documents are issued and records are updated in accordance with established procedures

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 Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to UETDRDS40A Prepare and appraise power systems financial impact statements.

Links

UET Training Package Companion Volume Implementation Guide is found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=229bace1-b7bc-4653-9300-dffb13ecfad7>