



Australian Government

Assessment Requirements for UETTDRDS40 Prepare and appraise power systems financial impact statements

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.

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria on at least two separate occasions and include:

- applying relevant work health and safety (WHS)/occupational health and safety (OHS) requirements including the use of risk control measures
- applying sustainable energy principles and practices
- completing six (6) designs in total, drawn from at least two (2) of the following project types:
 - overhead line designs
 - underground line designs
 - distribution substation designs
 - customer substation designs
 - transmission substation designs
 - sub-transmission substation designs
 - public lighting designs
 - zone substation designs
 - substation secondary systems – commissioning
 - substation secondary systems – maintenance and augmentation
 - generation secondary systems – commissioning
 - generation secondary systems – maintenance and augmentation
 - high voltage (HV) primary plant – commissioning
 - HV primary plant – maintenance and augmentation
- developing financial impact statements, including activities addressing the correction of errors in the process
- dealing with unplanned events on at least one (1) occasion.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria and include knowledge of:

- principles of safe design encompassing:

- Commonwealth/state/territory legislation, standards, codes, supply authority regulations and/or enterprise requirements associated with safe design principles
- particular reference to state and territory regulations regarding working near energised conductors, electrical access, heights, confined space, testing procedures and licensing rules
- application of safe design principles:
 - safe design duty related information
 - safe design process related information
 - safe design evaluations
- methodology used in writing enterprise-specific management reports encompassing:
 - Commonwealth, state/territory and local government legislation, supply authority regulations standards, code, and/or enterprise requirements applicable to the writing enterprise-specific management reports
 - techniques in researching, collating and analysing information for the report:
 - recording, filing and retrieving systems
 - storing and retrieving data from computer systems
 - relationship of management reports to enterprise policies and procedures:
 - enterprise structure and resources
 - WHS/OHS and risk management enterprise data, financial and operational data
 - environmental enterprise policies and procedures
 - industrial relations policies and procedures
 - anti-discrimination policies and procedures:
 - techniques in writing enterprise-specific management reports:
 - methods used to disseminate information and facilitate enterprise requirements
 - document proformas and compliance and legislative requirements to produce effective reports in the appropriate format
- financial impact statements encompassing:
 - techniques in budgeting and tracking project progress
 - preparation and analysis of budget figures
 - techniques in the coordination of contingencies and risks that have a budget effect
 - techniques in dealing with problems that have a budget effect
 - examples of forms of recording project status and costings
 - application of relevant computer software packages
 - methods of prepare proposals:
 - preparing specifications, tender and evaluation and letting of tenders
 - techniques in estimating:
 - contract documents, drawings, specifications, general conditions and special conditions
 - resources costs:
 - hourly rates (labour, plant, material, subcontractors)
 - direct and indirect costs, contingency costs, project margin, cost of money, budget,

- preliminary tender, labour costing and equipment costing
- economic comparisons and contract variations
- techniques in preparing and interpreting proposals and tender documents
- techniques in preparing cost estimates for a project from relevant data
- techniques in preparing financial impact statements
- project management encompassing:
 - Commonwealth, state/territory and local government legislation, standards, codes, supply authority regulations and/or enterprise requirements, including relevant certification and licensing applicable to the duties and responsibilities for management a project
 - analyse functions of project management to determine achievement of project objectives
 - relationship of stakeholders to the project
 - techniques in development of project plan:
 - project integration, scope, timelines, cost, quality, resources, communication/protocol requirements, risk/uncertainties and procurement and contacting
 - relationship between project processes, project life and project phases
 - planning and control procedures, resource management and risk management
 - techniques, methodologies and tools available to project managers
 - types of internal and external environmental factors that may affect the project.

Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must occur in workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated conditions involving realistic and authentic activities that replicate operational workplace conditions.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment must include access to:

- a range of relevant exercises, case studies and/or other simulations
- relevant and appropriate materials, tools, facilities, equipment and personal protective equipment (PPE) currently used in industry to perform preparation and appraisal of financial impact statements
- applicable documentation, including workplace procedures, relevant industry standards, equipment specifications, regulations, codes of practice and operation manuals.

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>