



Australian Government

Assessment Requirements for UETDRDS028 Prepare and manage construction plans for electrical infrastructure

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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.

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 (2) separate occasions and include:

- determining purpose and requirements of the construction plan
- obtaining, inspecting and using relevant personal protective equipment (PPE) for site inspection
- determining requirements for site inspections in accordance with workplace requirements
- prioritising and sequencing work for completion in accordance with workplace requirements
- checking construction plan for compliance against legislation, regulations, standards and codes of practice
- identifying, and minimising or eliminating health and safety risks by using safety and control measures
- performing ongoing quality checks of work in accordance with workplace requirements
- checking final construction plan against project and workplace requirements
- maintaining work records, reports and documentation
- preparing six (6) construction plans that relate to at least three (3) of the following design types:
 - overhead line
 - underground cable
 - distribution substation
 - transmission substation
 - sub-transmission substation
 - public lighting
 - zone substation
 - customer substation.

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:

- preparation of construction plans, including:
 - purpose and requirements of the construction plan
 - types and application of PPE
 - hazard, risk assessment and risk control requirements, including potential hazard
 - site inspections
 - compliance against legislation, regulations, standards and codes of practice, and project and workplace requirements
 - work records, reports and documentation maintenance
- construction diagrams and drawings
- transmission and sub-transmission system layout
- distribution system layout.

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:

- relevant and appropriate materials, tools, facilities, equipment and PPE currently used in industry for detailed construction plans for electrical system infrastructure
- applicable documentation, including workplace requirements, relevant industry standards, equipment specifications, regulations, codes of practice and operation manuals.

Links

Companion Volume Implementation Guides are found in VETNet -

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