



Australian Government

Assessment Requirements for UEP OPS447 Coordinate photovoltaic solar power plant operations

Release: 1

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Modification History

Release 1. This is the first release of this unit of competency in the UEP Generation Training Package.

Performance Evidence

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

- analysing photovoltaic solar power plant faults using data analysis techniques and tools
- applying Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) requirements including:
 - emergency procedures
 - risk control measures
 - safe working practices
- communicating with personnel
- coordinating operational strategies
- coordinating photovoltaic solar power plant operations
- identifying photovoltaic solar power plant status
- implementing legislation, industry standards, codes of practice and regulations
- interpreting manufacturers' specifications and manuals
- monitoring photovoltaic solar power plant operations
- photovoltaic solar power plant generation and systems including operating parameters
- reporting operations against operational strategy requirements using recording procedures
- testing photovoltaic solar power plant operation

Knowledge Evidence

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

- coordination of operational strategies
- data collection and recording techniques
- legislation, industry standards, codes of practice and regulations
- manufacturers' specifications and manuals
- measurement and analysis systems and procedures

- photovoltaic solar power plant and equipment, its location and operating parameters
- photovoltaic solar power plant efficiency including performance and reliability targets
- photovoltaic solar power plant generation and systems
- photovoltaic solar power plant operating parameters
- typical arrangements of photovoltaic solar power plants
- WHS/OHS legislated requirements including:
 - emergency procedures
 - risk control measures
 - safe working practices
- workplace documentation
- workplace policies and procedures

Assessment Conditions

As a minimum, assessors must satisfy applicable regulatory requirements, which include requirements in the Standards for Registered Training Organisations current at the time of assessment.

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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.

Assessment must occur in workplace operational situations. Where this is not appropriate, assessment must occur in simulated workplace operational situations that reflect workplace conditions.

Resources for assessment must include access to:

- a range of relevant exercises, case studies and/or other simulations
- relevant and appropriate materials, tools, equipment and personal protective equipment currently used in industry
- applicable documentation including workplace procedures, 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=1715b9fa-e7bd-441c-bb8d-cf22c9c825a8>