



Australian Government

Assessment Requirements for UEP OPS006

Collect and analyse hydrological and meteorological data

Release: 1

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Modification History

Release 1. This is the first release of this unit of competency in the UEP Electricity Supply Industry – Generation Sector Training Package Release 2.0.

Performance Evidence

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

- analysing meteorological and hydrographical data using 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
- completing documentation
- coordinating the operation of meteorological and hydrographical instrumentation and equipment to:
 - conduct and calculate depth measurements
 - determine inflows based on snow melt
 - measure snow depth and stream flows
- displaying safety procedures in remote locations, including survival techniques
- implementing regulations, legislative requirements, codes of practice, manufacturers' recommendations and specifications, and environmental requirements
- planning and preparing to conduct data collection
- recognising abnormal meteorological and hydrographical conditions
- interpreting manuals
- undertaking data collection
- verifying and reporting data collection.

Knowledge Evidence

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

- calibration of meteorological and hydrographical instrumentation
- inflow forecasting

- interpretation of hydrological and meteorological data using analysing tools and techniques
- interpreting meteorological charts
- manuals
- meteorological and hydrographical equipment, location and operating parameters
- personal safety and working alone in remote locations
- regulations, legislative requirements, codes of practice, manufacturers' recommendations and specifications, and environmental requirements
- snow depth gauging
- stream gauging
- survival techniques, including hypothermia and snake avoidance
- water quality monitoring
- WHS/OHS requirements, including:
 - risk control measures
 - emergency procedures
 - safe working practices
- workplace documentation
- workplace policies and procedures.

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 workplace operational situations that replicate 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, equipment and personal protective equipment (PPE) currently used in industry
- applicable documentation, including workplace procedures, 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>