



Australian Government

UEGNSG504 Monitor and control gas infrastructure using Control Centre systems

Release: 1

UEGNSG504 Monitor and control gas infrastructure using Control Centre systems

Modification History

Release 1. This is the first release of this unit of competency in the UEG Gas Industry Training Package.

Application

This unit involves the skills and knowledge required to use Control Centre systems to monitor and control gas infrastructure.

It includes operating Supervisory Control and Data Acquisition (SCADA) and other Control Centre information systems, including outage management systems, alarm management systems, site security and communications systems, and telemetry to effectively manage gas industry infrastructure.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Not applicable

Competency Field

Control Centre Discipline

Unit Sector

Gas Industry

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 to use Control Centre systems to monitor and control gas infrastructure

1.1 Work schedules, plans and job requirements are obtained and analysed to determine the preparation work required for planning and coordination

- 1.2 Relevant person/s are consulted and work is prioritised and sequenced for completion within agreed timeframes and to industry standards in accordance with workplace procedures
 - 1.3 Work health and safety (WHS)/occupational health and safety (OHS) and environmental risk assessments are conducted
 - 1.4 System constraints for gas infrastructure are identified and communicated
 - 1.5 Operational and commercial requirements of gas infrastructure are communicated
 - 1.6 WHS/OHS and sustainable energy policies and procedures related to the work are obtained
 - 1.7 Communication with authorised person/s, authorities and clients is conducted and work coordinated in accordance with work schedule and workplace procedures
- 2 Monitor and control gas infrastructure using Control Centre systems**
- 2.1 WHS/OHS policies and procedures and safe work practices are followed
 - 2.2 Work is coordinated and performed in accordance with workplace procedures, operating conditions and nominations
 - 2.3 Alarms and out-of-specification conditions are responded to in accordance with workplace procedures
 - 2.4 Operating conditions are monitored and action taken to address any shortfalls or abnormal events encountered in accordance with workplace procedures
 - 2.5 Gas infrastructure SCADA systems are monitored to ensure quality is observed in accordance with industry standards
 - 2.6 Unplanned events and non-routine problems are identified and actioned in accordance with workplace procedures
- 3 Complete procedures for monitoring and controlling gas infrastructure**
- 3.1 Work undertaken is checked for conformance with job requirements, anomalies and proposed solutions are identified and documented in accordance with workplace procedures

- 3.2 Shift handover is conducted and gas infrastructure detail is relayed and confirmed with relevant person/s in accordance with workplace procedures
- 3.3 Work completion records, reports and documentation are completed, processed and appropriate person/s notified in accordance with workplace 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 UEGNSG515 Use control centre systems to monitor and control gas infrastructure.

Links

Companion Volume Implementation Guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=6a6c032e-ffcb-4f3d-8063-415efbd261e8>