



Australian Government

UEGNSG704 Install and commission data logging equipment

Release: 1

UEGNSG704 Install and commission data logging equipment

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 install and commission data logging equipment. The application this unit may include high density residential and commercial dwellings and facilities.

It includes preparing, installing, and commissioning data logging equipment, as well as completing and reporting installation activities.

This unit applies to any work site where meters are installed, and subject to all work health and safety (WHS)/occupational health and safety (OHS) and duty of care requirements being met for the workplace.

The application of the skills and knowledge described in this unit may require a licence/registration to practise in the workplace.

Other conditions may apply under state and territory legislative and regulatory licensing requirements which must be confirmed prior to commencing this unit.

Pre-requisite Unit

Not applicable

Competency Field

Support Services

Unit Sector

Gas Industry

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

1 Prepare to install data logging equipment

- 1.1** Instructions for the work are obtained and confirmed with relevant person/s in accordance with workplace procedures
- 1.2** Job requirements and workplace procedures for the work are discussed with relevant person/s to confirm the work schedule
- 1.3** WHS/OHS requirements and workplace procedures are identified and applied
- 1.4** Hazards are identified, risks are assessed and control measures implemented
- 1.5** Installation of the data logging equipment is prepared in consultation with relevant person/s
- 1.6** Nature and location of work is determined from documentation and/or relevant person/s to determine scope of work
- 1.7** Location and access to equipment is organised and confirmed
- 1.8** Location of data logging and associated equipment is planned within constraints of building structure, conditions, and regulations
- 1.9** Advice is sought from relevant person/s and stakeholder/s to ensure work is coordinated with others in accordance with workplace procedures
- 1.10** Materials needed for installation work are obtained in accordance with workplace procedures and checked against job requirements
- 1.11** Resources, including equipment, tools, materials and personal protective equipment (PPE), required to undertake the work are identified, obtained and checked for correct operation and safety in accordance with workplace procedures and manufacturer instructions

2 Install data logging equipment

- 2.1** WHS/OHS risk control measures and procedures for carrying out the work are followed
- 2.2** Stray current testing and protection is undertaken in accordance with industry standards, regulations and workplace procedures

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| | <p>2.3 Materials, tools, equipment and devices to perform the work are selected and used correctly and safely in accordance with manufacturer instructions and workplace procedures</p> <p>2.4 The data logging equipment is installed, connected, and commissioned in accordance with manufacturer instructions, workplace procedures and job requirements</p> <p>2.5 Unplanned situations and faults are dealt with safely in consultation with relevant authorised person/s in accordance with workplace procedures</p> <p>2.6 Quality and safety checks of the work are undertaken in accordance with workplace procedures, industry standards and manufacturer instructions</p> |
| <p>3 Complete work and relevant documentation</p> | <p>3.1 WHS/OHS work completion risk control measures and workplace procedures are followed</p> <p>3.2 Final checks are performed to ensure quality of work complies with manufacturer instructions, industry standards and regulations</p> <p>3.3 Relevant person/s are notified of work completion in accordance with workplace procedures</p> <p>3.4 Worksite is cleaned and made safe in accordance with workplace procedures</p> <p>3.5 Equipment, tools and any surplus resources and materials are cleaned, checked and stored securely or disposed of in accordance with workplace procedures</p> <p>3.6 Work completion records and documentation are completed in accordance with job requirements and workplace procedures</p> |

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 UEG Training Package Companion Volume Implementation Guide.

Data logging equipment must include at least one of the following:

- usage measurement
- pressure measurement

Unit Mapping Information

This is a new unit.

Links

Companion Volume Implementation Guides are found in VETNet -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=6a6c032e-ffcb-4f3d-8063-415efbd261e8>

Assessment Requirements for UEGNSG704 Install and commission data logging equipment

Modification History

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

- aligning, testing and verifying data logging interface
- applying relevant industry standards, guidelines, codes of practice and regulations
- applying relevant work health and safety (WHS)/occupational health and safety (OHS) requirements, including:
 - hazard identification and reporting
 - implementing risk control measures
 - recognising hazard warnings and safety signs
- communicating effectively with relevant personnel and customers
- completing work and relevant documentation
- dealing with unplanned events/situations in accordance with workplace procedures in a manner that minimises risk to personnel and equipment
- following manufacturer instructions and specifications
- following work schedule, safety plan and job requirements
- following workplace policies and procedures
- installing and commissioning data logging and associated equipment according to manufacturer instructions
- jointing and terminating wiring for data logging equipment safely and correctly according to manufacturers' instructions and industry standards
- maintaining a clean and safe work site
- obtaining and using tools, materials, PPE and testing devices
- obtaining relevant materials and checking against job requirements
- referring issues
- undertaking quality and safety checks in accordance with relevant industry standards
- undertaking stray current testing and protection
- using testing equipment for testing pre-installed cabling and components
- using relevant communication devices, including smartphones and laptops.

Knowledge Evidence

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

- communication skills to liaise with internal and external person/s
- customer metering equipment and components
- equipment specifications
- quality and safety checks
- relevant legislation, industry standards, guidelines, codes of practice and regulations
- relevant manufacturer specifications and installation instructions
- relevant permits required
- relevant safe work method statements (SWMS)/job safety assessments or risk mitigation processes
- relevant tools, equipment and devices, including:
 - cable tracers
 - multimeters
 - smartphones and laptops
 - testing equipment
 - wire jointing equipment
- relevant WHS/OHS legislated requirements
- relevant WHS/OHS policies and procedures, including:
 - environmental and safety hazards
 - hazard identification
 - hazard warnings and safety signs
 - relevant PPE
 - risk assessment and control measures
 - safety requirements for entering customer sites
- relevant workplace documentation, forms and manuals, including paper based and electronic types
- relevant workplace policies and procedures
- site and data issues
- site preparation, work schedules, safety plans and job requirements.

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=6a6c032e-ffcb-4f3d-8063-415efbd261e8>