Australian Government

UEEIC0033 Set up gas analysis measuring and control instruments

Release: 1

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Modification History

Release 1. This is the first release of this unit of competency in the UEE Electrotechnology Training Package.

Application

This unit involves the skills and knowledge required to set up gas analysis measuring and control instruments.

It includes working safely, identifying measuring parameters, testing and measuring work, following isolating procedures, arranging measuring instruments, dealing with unplanned situations and following documenting procedures.

Permits may be required for some work environments, such as confined spaces, working aloft, near live electrical apparatus and site rehabilitation.

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

Pre-requisite Unit

UEECD0007 Apply work health and safety regulations, codes and practices in the workplace

UEECD0051 Use drawings, diagrams, schedules, standards, codes and specifications

UEEIC0047 Use instrumentation drawings, specifications, standards and equipment manuals

and

UEECD0043 Solve problems in direct current circuits

or

UEECD0044 Solve problems in multiple path circuits

UEECD0046 Solve problems in single path circuits

Competency Field

Instrumentation & Control

Unit Sector

Electrotechnology

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 Prepare to arrange gas analysis measuring instruments	**1.1** Work health and safety (WHS)/occupational health and safety (OHS) processes and workplace procedures for a given work area are identified, obtained and applied
	1.2 WHS/OHS risk control measures and workplace procedures are followed in preparation for work
	1.3 Safety hazards that have not previously been identified are noted and risk control measures implemented
	1.4 Relevant person/s is consulted to ensure work is coordinated effectively with others involved on worksite
	1.5 Measurement parameters are identified by reviewing process requirements and instrument manufacturer instructions
	1.6 Tools, equipment and testing devices required for work are obtained in accordance with workplace procedures and checked for correct operation and safety
	1.7 Preparatory work is checked to ensure no damage has occurred and work is in accordance with workplace procedures
	1.8 Need to test and measure live work is determined in accordance with WHS/OHS requirements and workplace procedures
	1.9 Circuits/machines/plant are checked and isolated in accordance with WHS/OHS requirements and workplace procedures
2 Arrange gas analysis measuring instruments	**2.1** WHS/OHS risk control measures and workplace procedures for carrying out work are followed
	2.2 Testing/measuring devices are connected and arranged in accordance with relevant industry standards and control system
	2.3 Measuring instruments are arranged and adjusted in accordance with workplace procedures and instrument

		manufacturer instructions
	2.4	Methods for dealing with unplanned situations are discussed with relevant person/s and documented
	2.5	Unplanned situations are dealt with safely and with approval of a relevant person/s
	2.6	Work is carried out efficiently without waste of materials or damage to apparatus, the surrounding environment or services using sustainable energy principles
3 Complete and report set-up activities	**3.1**	WHS/OHS risk control work completion measures and workplace procedures are followed
	3.2	Worksite is cleaned and made safe in accordance with workplace procedures
	3.3	Adjustment settings are documented and relevant 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 UEE Electrotechnology Training Package Companion Volume Implementation Guide.

Setting up and adjusting measuring and control instruments must include at least two of the following:

- gas analysis measuring instruments

Unit Mapping Information

This unit replaces and is equivalent to UEENEEI131A Set up gas analysis measuring and control instruments.

Links

Companion Volume implementation guides are found in VETNet - - https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b8a8f136-5421-4ce1-92e0-2b50341431b6