



Australian Government

Department of Education, Employment and Workplace Relations

UEENEEE114A Supervise and coordinate energy sector work activities

Release: 1

UEENEEE114A Supervise and coordinate energy sector work activities

Modification History

Not applicable.

Unit Descriptor

Unit Descriptor

1) Scope:

1.1) Descriptor

This unit covers the supervising and coordinating of work activities the energy sector. It encompasses working safety, implementing safety procedures and processes, sequencing work activities, providing guidance and work instructions to others, ensuring job requirements are met and maintain necessary work documentation.

Application of the Unit

Application of the Unit 2)

This unit is intended for competency development entry-level employment based programs incorporated in approved contracts of training. It is intended to apply to any formal recognition for this standard at the aligned AQF 4 level or higher.

Licensing/Regulatory Information

License to practice 3)

The skills and knowledge described in this unit do not require a license to practice in the workplace. However, practice in this unit is subject to regulations directly related to occupational health and safety and where applicable contracts of training such as apprenticeships.

Pre-Requisites

Prerequisite Unit(s) 4)

Competencies 4.1)

There are no prerequisite competencies for this unit.

Literacy and numeracy skills 4.2)

Participants are best equipped to achieve competency in this unit if they have reading, writing and numeracy skills indicated by the following scales. Description of each scale is given in Volume 2, Part 3 'Literacy and Numeracy'

Reading 4 Writing 4 Numeracy 4

Employability Skills Information

Employability Skills 5)

This unit contains Employability Skills

The required outcomes described in this unit of competency contain applicable facets of Employability Skills. The Employability Skills Summary of the qualification in which this unit of competency is packaged will assist in identifying Employability Skill requirements.

Elements and Performance Criteria Pre-Content

6) Elements describe the essential outcomes of a competency standard unit

Performance Criteria describe the required performance needed to demonstrate achievement of the element.
Assessment of performance is to be consistent with the Evidence Guide.

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1 Prepare to supervise and coordinate work activities	1.1 OHS processes and procedures for a given work area are identified, obtained and understood.
	1.2 Job specification and requirements are obtained and understood.
	1.3 Plant, materials and skills needed for the work are established from specifications and other relevant documentation.
	1.4 Plant, materials, personnel and others needed for the work are accessed in accordance with established procedures.
2 Supervise and coordinate work activities.	2.1 OHS policies, procedures and programs are implemented and monitored.
	2.2 Guidance and work instructions are given to appropriate personnel to ensure the various aspects of the work are sequenced and completed in accordance with job specifications and requirements.
	2.3 Cooperation is sought from others involved in the work to ensure the various aspects of the work are coordinated effectively.
	2.4 Work progress is monitored against schedules, job specifications and requirements.
	2.5 Conflict issues at the work site are dealt with in accordance with established procedures.
	2.6 Requested variations to job specification are dealt with in accordance with established procedures and processes.
	2.7 Methods for dealing with unexpected situations are selected on the basis of safety and specified work outcomes.
3 Document supervision and coordination activities.	3.1 Job records are maintained in accordance with established procedures.
	3.2 Processes are followed to ensure activities are

ELEMENT

PERFORMANCE CRITERIA

carried out to established procedures.

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

8) This describes the essential skills and knowledge and their level, required for this unit.

Evidence shall show that knowledge has been acquired of safe working practices and supervising and coordinating energy sector work activities.

All knowledge and skills detailed in this unit should be contextualised to current industry practices and technologies.

KS01-EE114A

Energy sector supervision fundamentals

Evidence shall show an understanding of energy sector supervision to an extent indicated by the following aspects:

- T1 Importance of customer/client relations
- T2 Interpersonal skills that enhance customer/client
- T3 Dispute resolution
- T4 Customer/client relations strategies
- T5 Responsibilities of workplace supervisors
- T6 Effective instruction methods
- T7 Methods for seeking the cooperation of others
- T8 Dealing with conflict
- T9 Identify problems - Process and quality problems; Equipment selection, availability and failure; Teamwork and work allocation problems; Safety and emergency situations and incident; Performance gaps; Profit improvement and the like.
- T10 Mathematical Tools - Average, Standard deviation and the like.
- T11 Use of analytical techniques in problem solving - Brainstorming; Fishbone diagrams/cause and effect diagrams; Logic trees; Process logic/process requirements; Similarity/difference analysis; Pareto analysis; Force field/SWOT analysis.
- T12 Using tools to assistance in problem solving - Procedures and work instructions; Safety data sheets; Job cards; Maintenance logs; Plant drawing.
- T13 Determine corrective action encompassing:
 - Tools
 - Mode of communication procedure used within each enterprise
 - Established work procedures and policies
 - Size and structure of the teams/enterprise
 - Group goals - team, section, enterprise
 - Enterprise specific conflict resolution procedures

REQUIRED SKILLS AND KNOWLEDGE

- Action plans
- Priority requirements
- Measurable objectives
- Resource requirements
- Methods for reaching objectives
- Timelines
- Safety requirements
- Risk assessment
- Environmental requirements

T14 Communicate recommendations - Feedback requirements; Corrective action and analysis; Following up recommendations and the like.

T15 Implement Monitoring encompassing:

- Identifying components to be measured
- Measurement and monitoring techniques
- Measurement and monitoring tools

T16 Purpose of a quality system

T17 Procedures pertaining to the relevant work function

T18 Work instructions pertaining to the relevant work function

Evidence Guide

EVIDENCE GUIDE

9) The evidence guide provides advice on assessment and must be read in conjunction with the Performance Criteria, Required Skills and Knowledge, the Range Statement and the Assessment Guidelines for this Training Package.

The Evidence Guide forms an integral part of this unit. It must be used in conjunction with all parts of the unit and performed in accordance with the Assessment Guidelines of this Training Package.

Overview of Assessment 9.1)

Longitudinal competency development approaches to assessment, such as Profiling, require data to be reliably gathered in a form that can be consistently interpreted over time. This approach is best utilised in Apprenticeship programs and reduces assessment intervention. It is the industry-preferred model for apprenticeships.

However, where summative (or final) assessment is used it is to include the application of the competency in the normal work environment or, at a minimum, the application of the competency in a realistically simulated work environment. It is recognised that, in some circumstances, assessment in part or full can occur outside the workplace. However, it must be in accordance with industry and regulatory policy.

Methods chosen for a particular assessment will be influenced by various factors. These include the extent of the assessment, the most effective locations for the assessment activities to take place, access to physical resources, additional safety measures that may be required and the critical nature of the competencies being assessed.

The critical safety nature of working with electricity, electrical equipment, gas or any other hazardous substance/material carries risk in deeming a person competent. Sources of evidence need to be 'rich' in nature to minimise error in judgment.

Activities associated with normal everyday work have a bearing on the decision as to how much and how detailed the data gathered will contribute to its 'richness'. Some skills are more critical to safety and operational requirements while the same skills may be more or less frequently practised. These points are raised for the assessors to consider when choosing an assessment method and developing assessment instruments. Sample assessment instruments are included for Assessors in the Assessment Guidelines of this Training Package.

**Critical aspects
of evidence
required to
demonstrate
competency in
this unit** **9.2)**

Before the critical aspects of evidence are considered all prerequisites must be met.

Evidence for competence in this unit shall be considered holistically. Each element and associated performance criteria shall be demonstrated on at least two occasions in accordance with the 'Assessment Guidelines – UEE11'. Evidence shall also comprise:

- A representative body of work performance demonstrated within the timeframes typically expected of the discipline, work function and industrial environment. In particular this shall incorporate evidence that shows a candidate is able to:

- Implement Occupational Health and Safety workplace procedures and practices, including the use of risk control measures as specified in the performance criteria and range statement
- Apply sustainable energy principles and practices as specified in the performance criteria and range statement
- Demonstrate an understanding of the essential knowledge and associated skills as described in this unit. It may be required by some jurisdictions that RTOs provide a percentile graded result for the purpose of regulatory or licensing requirements.
- Demonstrate an appropriate level of skills enabling employment
- Conduct work observing the relevant Anti Discrimination legislation, regulations, policies and workplace procedures
- Demonstrated consistent performance across a representative range of contexts from the prescribed items below:
 - Supervise and coordinate energy sector work activities as described in 8) and including:
 - A Understanding job specification and requirements.
 - B Accessing appropriate plant, materials and personnel.
 - C Providing effective guidance and instructions to personnel.
 - D Obtaining the cooperation of others.
 - E Dealing with conflicts in accordance with established procedures.
 - F Dealing with job variations in accordance with established procedures.
 - G Ensuring work completion documentation is accurate and forwarded to appropriate persons.
 - H Dealing with unplanned events by drawing on essential knowledge and skills to provide appropriate solutions incorporated in a holistic assessment with the above listed items.

Note:

Successful completion of relevant vendor training may be used to contribute to evidence on which competency is deemed. In these cases the alignment of outcomes of vendor training with

performance criteria and critical aspects of evidence shall be clearly identified.

**Context of and
specific
resources for
assessment**

9.3)

This unit should be assessed as it relates to normal work practice using procedures, information and resources typical of a workplace. This should include:

- OHS policy and work procedures and instructions.
- Suitable work environment, facilities, equipment and materials to undertake actual work as prescribed in this unit.

These should be used in the formal learning/assessment environment.

Note:

Where simulation is considered a suitable strategy for assessment, conditions for assessment must be authentic and as far as possible reproduce and replicate the workplace and be consistent with the approved industry simulation policy.

The resources used for assessment should reflect current industry practices in relation to supervising and coordinating energy sector work activities.

**Method of
assessment**

9.4)

This unit shall be assessed by methods given in Volume 1, Part 3 'Assessment Guidelines'.

Note:

Competent performance with inherent safe working practices is expected in the Industry to which this unit applies. This requires that the specified essential knowledge and associated skills are assessed in a structured environment which is primarily intended for learning/assessment and incorporates all necessary equipment and facilities for learners to develop and demonstrate the essential knowledge and skills described in this unit.

**Concurrent
assessment and
relationship with
other units**

9.5)

There are no concurrent assessment recommendations for this unit.

Range Statement

RANGE STATEMENT

10) This relates to the unit as a whole providing the range of contexts and conditions to which the performance criteria apply. It allows for different work environments and situations that will affect performance.

This unit shall be demonstrated in relation to supervising and coordinating of work activities the energy sector with the following attributes:

- working safety
- implementing safety procedures and processes
- sequencing of work activities
- providing guidance and work instructions to others
- job requirements are met
- necessary work documentation maintained

Supervising and coordinating work activities shall be demonstrated in any of the following energy sector disciplines.

- Automation technologies
- Computers
- Data Communications
- Electrical
- Electrical Machines
- Electronics
- Fire protection
- Instrumentation
- Refrigeration and Air Conditioning
- Renewable / sustainable energy
- Security technology

Generic terms used throughout this Vocational Standard shall be regarded as part of the Range Statement in which competency is demonstrated. The definition of these and other terms that apply are given in Volume 2, Part 2.1.

Unit Sector(s)

Not applicable.

Competency Field

Competency Field 11)

Electrotechnology