

MNMG237A Work safely at heights

Unit Descriptor

This unit specifies the competency required to undertake safe working practices when working at heights or depths.

Employability Skills

The required outcomes described in this Unit of Competency contain applicable facets of employability skills. The Employability Skills Qualification Summary for the qualification in which this Unit of Competency is packaged will assist in identifying employability skill requirements.

ELEMENT	PERFORMANCE CRITERIA
1 Identify work requirements	1.1 Identify scope of the task is in accordance with workplace procedures 1.2 Adhere to <i>OH&S requirements</i> associated with working safely at heights, and the workplace environment throughout the work 1.3 Inspect site to determine layout and physical condition, condition of structures, prevailing weather conditions, equipment requirements and potential hazards 1.4 Identify and document scope of the task and proposed work practices/activities in accordance with workplace procedures 1.5 Identify, select and check safety equipment for serviceability in accordance with workplace requirements 1.6 Identify, manage and report potential risks and hazards according to site procedures
2 Prepare for work	2.1 Identify work procedures and instructions for the task 2.2 Select materials, <i>tools and equipment</i> , including personal safety equipment, and check for serviceability 2.3 Inspect/install fall protection and perimeter protection equipment ensuring adequacy for work and conformance to regulatory requirements 2.4 Identify approved methods of moving <i>tools and equipment</i> to work area and minimise <i>potential hazards associated with tools at heights</i> 2.5 Install <i>safety system</i> in accordance with workplace and regulatory requirements

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| | 2.6 | Select and install appropriate signs and barricades |
| 3 | Access and install equipment | <p>3.1 Correctly fit, adjust and anchor fall protection and associated equipment</p> <p>3.2 Make appropriate arrangements to install required <i>equipment</i></p> <p>3.3 Use recommended methods to access work area for people, <i>tools and equipment</i></p> <p>3.4 Place tools and materials to eliminate or minimise the risk of items being knocked down</p> |
| 4 | Perform work at heights | <p>4.1 Check access from ground to work area to ensure it is safe and in accordance with regulatory requirements</p> <p>4.2 Keep fall equipment in place and adjusted appropriately to allow for movement during work</p> <p>4.3 Undertake manual handling of materials and equipment in accordance with OH&S and regulatory requirements</p> <p>4.4 Locate materials and equipment ensuring that they are safely secured and distributed</p> <p>4.5 Check <i>safety system</i> periodically for compliance with regulations in accordance with workplace procedures</p> <p>4.6 Monitor risk control measures to ensure that they are effective and appropriate to the task and work environment</p> <p>4.7 Reassess risk control measures, as required, in accordance with changed work practices and/or site conditions and undertake alterations</p> |
| 5 | Clean up work area | <p>5.1 Dismantle <i>safety system</i> in accordance with sequence and remove from worksite</p> <p>5.2 Clear work area and dispose of or recycle materials in accordance with state or territory legislation and workplace procedures</p> <p>5.3 Clean, check, maintain and store <i>tools and equipment</i> in accordance with manufacturers' recommendations and workplace procedures</p> |

5.4 Complete documentation in accordance with workplace requirements

RANGE STATEMENT

The following range of variables is subject to site specific operations, but is not limited to the following details. Site procedures, regulations and OH&S and other relevant legislation apply to all elements and performance criteria.

OH&S requirements may include those associated with:

- protective clothing and equipment
- use of tools and equipment
- workplace environment and safety
- handling of materials
- use of fire fighting equipment
- use of First Aid equipment
- hazard control
- hazardous materials and substances

Hazards associated with tools at heights may include:

- falling objects
- removal of scaffold components
- inappropriate carrying of materials on ladders
- excessive bending or twisting in different work situations

Safety systems may include:

- scaffolds
- handrails
- foot walks
- kickboards
- safety harness
- harness fixing points

Tools and equipment may include:

- fall protection
- perimeter protection
- signage and barricades
- ladders
- lifting/load shifting equipment including:
 - hand trolleys
 - rollers
 - forklifts
 - chain blocks
 - hoists
 - jacks
 - scaffolds

- elevated work platforms
- lifting equipment (such as cranes)

EVIDENCE GUIDE

Critical Aspects of Evidence

The evidence required to demonstrate this competency must be relevant to mine site operations. In addition to satisfying the requirements of all elements, performance criteria, required knowledge and skills, evidence must include demonstration of:

- knowledge of all procedures, requirements and instructions to work safely at heights appropriate to a mine site; and
- implementation of appropriate procedures and techniques for efficient and effective working safely at heights appropriate to a mine site, while complying with site risk control, health, safety, environmental, quality and communication requirements. This will include:
 - a identifying work requirements
 - b preparing for work
 - c accessing work area
 - d performing work at heights
 - e cleaning up work area

Required Knowledge

Specific knowledge is required to achieve the performance criteria in this unit to the standards of performance required in the workplace, to transfer the skills to other contexts and to deal with unplanned events. Assessment requires evidence of the ability to identify and explain the purpose of:

- the names and functions of equipment, components and materials
- equipment manufacturers' instructions and specifications
- safe shifting and handling of tools and materials
- the relevant statutory and regulatory authority requirements related to working safely at heights
- the nature of work undertaken at heights
- heights safety systems
- the processes of providing for safe working practices
- safety equipment/systems and considerations to facilitate working safely at heights
- safe work methods

Required Skills

Specific skills are required to achieve the performance criteria in this unit. Assessment needs to obtain evidence of the ability to:

- access, interpret and apply technical and safety information
- apply diagnostic/faultfinding techniques
- comply with environmental requirements
- apply isolation procedures
- work in varying weather conditions

Assessment and Interdependence of Units

This unit may be assessed with other relevant units forming a cohesive work function, according to specific mine site requirements.

Resource Implications

Assessment of this competency requires typical resources normally used in a mine site work environment. Selection and use of resources for particular sites may differ due to site conditions, equipment availability, equipment/plant types and different contexts.

Consistency in Performance

To ensure consistency of performance, this unit may be assessed over a period of time and a range of work and site conditions. Local site factors will influence the breadth of evidence required to demonstrate the competency.

Context for Assessment

This unit should be assessed in the work environment where possible. Some assessment events may be conducted under simulated conditions where issues of safety and environmental damage are limiting factors.

All assessments must be valid, reliable, fair and flexible accumulating sufficient evidence to demonstrate the required competence.

The assessment environment should not disadvantage the participant. For example, language, literacy and numeracy demands of assessment should not be greater than those required on the job.

Methods of Assessment

Appropriate methods of assessment for this unit will usually include:

- workplace observation of processes and procedures
- oral and/or written questioning on required knowledge
- testimony from supervisors, colleagues, clients and/or other appropriate persons
- simulation and/or scenario analysis

Where performance is not directly observed and/or is required to be demonstrated over a period of time and/or in a number of locations, any evidence should be authenticated by colleagues, supervisors, clients or other appropriate persons.

Questioning should be undertaken in a manner appropriate to the language and literacy levels of the candidate and to the requirements of the unit of competency.