

	<b>Unit ID: 1010</b>
<b>Domain</b>	<b>ADVANCED SCAFFOLDING</b>
<b>Title:</b>	<b>Erect, alter, and repair advanced scaffolding and equipment</b>
<b>Level: 4</b>	<b>Credits: 20</b>

### **Purpose**

This unit standard specifies the competencies required to erect, alter, and/or repair advanced scaffolding and/or equipment. It includes preparing site for erection of advanced scaffolding and/or equipment, erecting scaffolding and/or equipment and altering and/or repairing scaffolding. This unit standard is intended for those who work in lifting machine operations environment.

### **Special Notes**

1. Entry information:  
Prerequisite:
  - Unit 937 - *Apply safety rules and regulations in lifting machine operations* or demonstrated equivalent knowledge and skills.
  
2. To demonstrate safe working practices the learner should be in possession of personal protective equipment which includes safety glasses, goggles, visors, safety gloves, gauntlets and helmets.
  
3. Glossary of terms:
  - *A 'client' refers to an individual or representative of a company who commissions a particular scaffold or scaffolding structure to be erected, or is an end user of the scaffold or scaffolding structure.*
  - *'Enterprise procedures' refers to procedures and/or practices used and recommended by an organisation involved in the scaffolding industry. Enterprise procedures may cover quality assurance, documentation, security, communication, health and safety, and personal behaviour, and may include time and cost constraints.*
  - *'Components' are items used to make up a scaffold such as standards, couplers, frames and planks. Components may include specialist gear for particular types of scaffolding such as base jacks or castors. They also include items ancillary to the scaffold itself, but which are nevertheless integral to its erection, modification, and/or dismantlement. This includes personal protective equipment and gear involved in the transport of scaffolding equipment such as dunnage, cleats, wire and ties. Components exclude scaffolding tools.*

- 'BPGFS' refers to best practice guidelines for scaffolding.
4. The equipment range is to include: tube and coupler covered ways and gantries; scaffolding associated with perimeter safety screens and shutters; cantilevered hoists with a working load limit not exceeding 250 kilograms (materials only); ropes; gin wheels; static lines and fall arrest systems; bracket scaffolds (tank and formwork); cantilevered loading platforms from a scaffold; cantilevered and spurred scaffolds; and hung scaffolds (including scaffolds hanging from tubes, wire ropes and chains).
  5. The equipment range is to exclude: hand haul and mechanical bosun chairs; building maintenance units; and hand haul and mechanical swinging stages.
  6. Assessment evidence may be collected from a real workplace, or an appropriate simulated realistic environment in which lifting machine operations are carried out.
  7. All inspection, operation and maintenance procedures associated with the use of tools and equipment shall comply with manufacturers' specifications, guidelines and instructions.
  8. Regulations and legislation relevant to this unit standard include the following:
    - Labour Act, No. 11, 2007
    - Occupational Health and Safety Regulations No. 18, 1997 and all subsequent amendment.

### **Quality Assurance Requirements**

This unit standard and others within this subfield may be awarded by institutions which meet the accreditation requirements set by the Namibia Qualifications Authority and the Namibia Training Authority and which comply with the national assessment and moderation requirements. Details of specific accreditation requirements and the national assessment arrangements are available from the Namibia Qualifications Authority and the Namibia Training Authority on [www.nta.com.na](http://www.nta.com.na).

## **Elements and Performance Criteria**

### **Element 1: Prepare site for erection of advanced scaffolding and equipment**

#### **Performance criteria**

- 1.1 Site is isolated by barriers in accordance with enterprise procedures.
- 1.2 Safety procedures are carried out, and site control and signage are maintained in accordance with site specific procedures and practice.
- 1.3 Lifting device is assembled and erected in accordance with manufacturer's specifications, where appropriate to job.

- 1.4 Footings are established for the scaffolding and equipment.

## **Element 2: Erect scaffolding and equipment**

### **Range**

Safety may include but are not limited to buddy systems, safety ropes and static lines, fall arrest systems.

### **Performance criteria**

- 2.1 Scaffolding and/or equipment is erected in accordance with planned hazard prevention and control measures, and manufacturers' specifications.
- 2.2 Work is performed in accordance with enterprise procedures, without injury to persons or damage to components and tools while platforms are incomplete.
- 2.3 Erection of scaffolding and/or equipment, including lifting devices, is carried out in accordance with HSE code of practice and required specifications.
- 2.4 Cantilevered scaffold loading platform is installed and/or erected in accordance with design requirements.
- 2.5 Completed scaffolding and/or equipment is inspected for compliance with design and statutory requirements.
- 2.6 Site is left clear of all surplus components, equipment, tools, and debris in accordance with enterprise procedures.
- 2.7 Scaffolding and/or equipment is inspected and tested daily while in use.

## **Element 3: Alter and repair scaffolding**

### **Performance criteria**

- 3.1 Proposed alteration and/or repair is reviewed in relation to the original planning in accordance with enterprise procedures.
- 3.2 Scaffolding and/or equipment is inspected to confirm stability in accordance with enterprise procedures.
- 3.3 Site control and signage are maintained in accordance with site specific procedures.
- 3.4 Alteration and/or repair is carried out in accordance with the proposed change plan specifications.

- 3.5 Alteration and/or repair is carried out with regard for the safety of personnel and structural integrity of the scaffolding and/or equipment, in accordance with manufacturers' specifications and enterprise standards.

### **Registration Data**

<b>Subfield:</b>	Lifting Equipment
<b>Date first registered:</b>	27 September 2012
<b>Date this version registered:</b>	27 September 2012
<b>Anticipated review:</b>	2015
<b>Body responsible for review:</b>	Namibia Training Authority