

	<b>Unit ID: 1003</b>
<b>Domain</b>	<b>INTERMEDIATE SCAFFOLDING</b>
<b>Title:</b>	<b>Erect and dismantle birdcage scaffolding</b>
<b>Level: 4</b>	<b>Credits: 10</b>

### Purpose

This unit standard specifies the competencies required to erect and dismantle birdcage scaffolding. It includes planning and preparing for the erection of birdcage scaffolding, erecting birdcage scaffolding, checking the structure is compliant and dismantling birdcage 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. Design, erection, and dismantlement of scaffolds and scaffolding structures in this unit standard must take place under the direct supervision of a certified scaffolder who holds a current Certificate of Competence for the scaffolding concerned.
4. Glossary of terms:
  - *'Stripping the deck'* refers to the process of removing, in safe order, scaffolding components from a lift above to a lift below or the ground.
  - *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.
  - 'BPGFS' refers to best practice guidelines for scaffolding.
5. Evidence is required for at least one each of: a regular birdcage scaffold, that is one in which bays are at right angles, of at least 3 bays width by 3 bays length; an irregular birdcage scaffold, that is one in which bays are at angles other than right angles, of at least 3 bays width by 3 bays length; and a circular birdcage scaffold, that is one covering a circular area, of at least 6 metres in diameter. Assessment should not be conducted in

scaffolding requiring a Registered Engineer to certify the adequacy of the design prior to the erection of the scaffold.

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: Plan and prepare for the erection of birdcage scaffolding.**

#### **Range**

Scaffold plan must include the area to be covered, optimum type of scaffolding available, and position of working lift; may also include but is not limited to ground conditions, number of bays, bay width, bracing, guardrails and planking.

#### **Performance criteria**

- 1.1 Birdcage scaffolding requirements are confirmed with the work supervisor or client.
- 1.2 A scaffold plan is drawn in accordance with the BPGFS.
- 1.3 The necessary equipment is identified and sourced in accordance with the scaffold plan.

## **Element 2: Erect birdcage scaffolding**

### **Range**

Risk to be minimised may include but is not limited to hooking on, installation of guardrails, static line protection, fall arrest from above; at least one procedure for minimising risk must be demonstrated.

### **Performance criteria**

- 2.1 The scaffolding is based out in accordance with the scaffold plan.
- 2.2 Lifts are erected in accordance with the scaffold plan.
- 2.3 The structure is braced in accordance with the scaffold plan.
- 2.4 Working lift(s) are fully railed and planked and kickboards are installed in accordance with the scaffold plan and the BPGFS.
- 2.5 Risk is minimised in the erection of non-working lifts in accordance with the BPGFS practice.

## **Element 3: Check the structure is compliant**

### **Performance criteria**

- 3.1 The structure is checked for compliance with the BPGFS inspection report and the scaffold plan.
- 3.2 A BPGFS inspection report is completed in accordance with the BPGFS.
- 3.3 Where the structure is not compliant changes are made to it to ensure compliance and the BPGFS report is amended accordingly.
- 3.4 Inspection of the structure by a certificated scaffolder who has an appropriate certificate or by a Registered Engineer is sought in accordance with the BPGFS practice. Where the structure is not compliant changes are made to ensure compliance.

## **Element 4: Dismantle birdcage scaffolding**

### **Performance criteria**

- 4.1 The deck is stripped in sequence in accordance with the BPGFS and all components removed progressively beginning with kickboards and mid rails from the working lift.
- 4.2 The stripped deck is descended to the lift below in accordance with the BPGFS.

## **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