

	Unit ID: 1007
Domain	INTERMEDIATE SCAFFOLDING
Title:	Erect and dismantle sloping platforms
Level: 4	Credits: 10

Purpose

This unit standard specifies the competencies required to erect and dismantle sloping platforms. It includes planning and preparing for the erection of sloping platforms and barrow ramps, erecting a sloping platform or barrow, checking the stability and compliance of the structure and dismantling a sloping platform or barrow ramp. 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.
 - 'BPGFS' refers to best practice guidelines for scaffolding.
 - *'Sloping platforms'* are formed when scaffolding is erected at an angle on or from a conventional level scaffold. For the purposes of this unit standard sloping platforms include barrow ramps.
 - *'Barrow ramps'* are a specific type of sloping platform. They are cleated and house a running board for maximum efficiency when moving up and down the slope.

4. 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.

5. Evidence is required for at least four sloping platforms of which two must be barrow ramps. The sloping platforms must be constructed on a minimum of two different scaffolds at least one of which must have multiple (two or more) sloping platform structures. 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.

Elements and Performance Criteria

Element 1: Plan and prepare for the erection of sloping platforms

Range

Sloping platform requirements must include but is not limited to the load to be carried or supported, area to be covered, points to be linked, angle from the horizontal, duration of use.

Scaffold plan requirements must include but is not limited to must include the load to be carried or supported, area to be covered, points to be linked, angle from the horizontal, optimum type of scaffolding available, placement of ledgers and transoms, consideration of guardrails, bracing and other safety components, optimum planking; may also include but is not limited to components attached to vertical standards.

Performance criteria

- 1.1 Sloping platform 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 a sloping platform

Performance criteria

- 2.1 Components are attached to vertical standards if required in accordance with the scaffold plan.
- 2.2 The angle from horizontal is marked out on vertical standards and transoms secured using double (right angle) couplers in accordance with the scaffold plan.
- 2.3 Ledgers are installed above transoms and secured to transoms with double (right angle) couplers in accordance with the scaffold plan.
- 2.4 Transoms are installed above ledgers and secured with single couplers in accordance with the scaffold plan.
- 2.5 The structure is planked in accordance with the scaffold plan.
- 2.6 Guardrails, bracing and other components are installed as appropriate in accordance with the scaffold plan and the BPGFS.

Element 3: Check the stability and compliance of the structure

Range

The stability of the sloping platform(s) and associated components checks must include but is not limited to angle of ramp or platform slope, load bearing capacity and security at points of attachment.

Performance criteria

- 3.1 The stability of the sloping platform(s) and associated components is checked and confirmed with the scaffold plan, and any adjustments made as necessary.
- 3.2 The entire structure is checked for compliance with the BPGFS inspection report.
- 3.3 A BPGFS inspection report is completed in accordance with the BPGFS.
- 3.4 Where the structure is not compliant changes are made to it to ensure compliance and the BPGFS report is amended accordingly.

- 3.5 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 and HSE code of practice. Where the structure is not compliant changes are made to ensure compliance.

Element 4: Dismantle a sloping platform

Performance criteria

- 4.1 Components above the deck are removed progressively beginning with kickboards and mid rails in accordance with the BPGFS.
- 4.2 Planks and supporting transoms and bracing are removed in accordance with the BPGFS.
- 4.3 Ledgers and supporting transoms and standards are removed in accordance with the BPGFS.

Registration Data

Subfield:	Lifting Equipment
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