

MQA UNDERGROUND SKILLS PROGRAM – MQA/SP/0173/17

SAQA US ID	244390	ELECTIVE UNIT STANDARD		
Unit Standard Title	Install and remove ventilation columns, service columns and accessories by utilizing a scissor lift			
NQF Level	02	SGB	Mining and Minerals	
Credits	2	Notional Hours		20
Duration	Candidate	Knowledge	Practical	Workplace
	Novice	1 day	2 days	1 day / 8 hours
	RPL (Re-fresher)	1 day	1 day	N/A
	Re-certification	½ day	½ day	N/A
Ratio of candidates to assessor	4:1		4:1	1:1

NOTE: MQA SKILLS PROGRAM RULES BEFORE A SOR (Statement of Results) CAN BE ISSUED:

- All Cores need to be completed
- At least 1 Elective with a minimum of 7 Credits from the Elective Unit Standard
- The Certificate will be issued after submission of the logbook

<p style="text-align: center;"><u>PURPOSE OF THE COURSE</u></p> <p>This unit standard will be useful to people whom install and remove ventilation columns, service columns and accessories by utilizing a scissor lift</p>	<p style="text-align: center;"><u>PRE-REQUISITES</u></p> <ul style="list-style-type: none"> • Follow basic occupational health and safety practices underground at NQF Level 1. • Take charge of and drive an articulating vehicle in an underground mine at NQF Level 1. • Valid Working at Heights certificate • Certified Copy of ID • Copy of learners Medical Certificate • Valid Scissor lift certificate for the operator
<p><u>SPECIFIC OUTCOMES OF THE COURSE</u></p> <ul style="list-style-type: none"> • Explain the installation and removal of ventilation columns, service columns and accessories by utilizing a scissor lift. • Prepare to install and remove ventilation columns, service columns and accessories by utilizing a scissor lift. • Install and remove ventilation columns, service columns and accessories by utilizing a scissor lift. • Perform post-installation and removal activities 	
<p><u>ESSENTIAL EMBEDDED KNOWLEDGE</u></p> <p>The following embedded knowledge is addressed in an integrated way in the unit standard:</p> <p>Risks associated with workplace hazards relating to:</p> <ul style="list-style-type: none"> • Unsafe ground conditions. • Support conditions. • Slippery surfaces. • Environmental conditions e.g. heat, gases, dust, excessive water, visibility and ventilation flow. • Moving machinery and equipment. • Workplace inclination. <p>Risks associated with work related hazards:</p> <ul style="list-style-type: none"> • Working at heights. • Working in ventilation column airflow. • Handling heavy material and equipment. • Workplace inclinations. • Hydraulic pressures. • Roadway conditions. • Working in the proximity of cables and pipes • Restricted areas. • Confined spaces. • Manipulation of controls. • Compressed air. 	

- Water pressures.
 - Lock out procedure.
 - Unsafe pipe suspensions.
 - Basic principles of operation:**
 - Platform inspection.
 - Suspension.
 - Secure.
 - Occupational safety and occupational health environment:**
 - Hazards and risks encountered.
 - Safety systems and occupational health protection.
 - Personal protective equipment.
 - Environmental protection and pollution controls.
 - Emergency procedures.
 - Use of tools, material and equipment.
 - Applicable statutory requirements for a scissor lift**
 - Applicable Acts and Regulations.
 - Codes of Practice.
 - Operator competency requirements.
 - Communication requirements:**
 - Reporting.
 - Liaison with associated operators.
- Interpreting and implementing instructions

RPL Evidence Requirements Prior to Enrolment

- Mine Induction Records
- Medical Certificate
- Curriculum Vitae
- Testimonial

Logbook supporting evidence requirements:

*** compulsory and ** additional supporting evidence.**

- Completed and signed Checklists *
- Completed and signed Risk Assessment *
- Clocking records and equipment tag records. **