



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

<b>SAQA US ID</b>	<b>244440</b>	<b>ELECTIVE UNIT STANDARD</b>		
<b>Unit Standard Title</b>	Transport explosives and accessories by means of a Self-Propelled mobile machine			
<b>NQF Level</b>	02	<b>SGB</b>	Mining and Minerals	
<b>Credits</b>	3	<b>Notional Hours</b>		30
<b>Duration</b>	<b>Candidate</b>	<b>Knowledge</b>	<b>Practical</b>	<b>Workplace</b>
	<b>Novice</b>	1 day	1 day	1 day / 8 hours
	<b>RPL (Re-fresher)</b>	1 day	1 day	N/A
	<b>Re-certification</b>	½ day	½ day	N/A
<b>Ratio of candidates to assessor</b>	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;"><b><u>PURPOSE OF THE COURSE</u></b></p> <p>This unit standard is intended to promote general skills, knowledge and understanding of transporting explosives and accessories using a self-propelled mobile machine in the mining and minerals sector in order to ensure knowledgeable and informed workers</p>	<p style="text-align: center;"><b><u>PRE-REQUISITES</u></b></p> <ul style="list-style-type: none"> <li>• Follow basic occupational health and safety practices at NQF Level 1.</li> <li>• Take charge of and drive an articulating vehicle in an underground mine at NQF Level 1.</li> <li>• Take charge of and drive a non-articulating vehicle in an underground mine at NQF Level 1.</li> <li>• <b>Receive, handle, store and issue explosives and accessories at a workplace</b></li> <li>• <b>Convey dangerous goods by road</b></li> <li>• Certified Copy of ID</li> <li>• Copy of learners Medical Certificate</li> </ul>
<p><b><u>SPECIFIC OUTCOMES OF THE COURSE</u></b></p> <ul style="list-style-type: none"> <li>• Explain the transportation of explosives and accessories by means of a self-propelled mobile machine.</li> <li>• Prepare the self-propelled mobile machine for transporting and loading of explosives.</li> <li>• Transport explosives and accessories</li> </ul>	
<p><b><u>ESSENTIAL EMBEDDED KNOWLEDGE</u></b></p> <p><b>Risks associated with workplace hazards:</b></p> <ul style="list-style-type: none"> <li>• Unsafe ground conditions.</li> <li>• Support conditions.</li> <li>• Fall of ground.</li> <li>• Power failures.</li> <li>• Explosions.</li> <li>• Restricted areas/obstructions.</li> </ul> <p><b>Basic principles of operation:</b></p> <ul style="list-style-type: none"> <li>• Monitoring of instruments, gauges and safety systems.</li> <li>• Brake testing.</li> <li>• Manipulation of controls.</li> </ul> <p><b>Processes and events:</b></p> <ul style="list-style-type: none"> <li>• Preparation e.g. pre-use inspection, workplace examination and prevention of unauthorised entry.</li> <li>• After start inspection.</li> </ul> <p style="text-align: center;">Verification of quality and type of explosives</p> <p><b>Occupational health, safety and environment:</b></p> <ul style="list-style-type: none"> <li>• Hazards and risks encountered.</li> <li>• Safety systems and occupational health protection.</li> </ul>	

- Personal protective equipment.
- Environmental protection and pollution controls.
- Emergency procedures.
- Use of tools, material and equipment.

**Applicable statutory requirements for transporting explosives and accessories by a self-propelled mobile machine:**

- Applicable Acts and Regulations.
- Codes of Practice.
- Operator competency requirements.

**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. \*\*