

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

<b>SAQA US ID</b>	<b>244396</b>	<b>ELECTIVE UNIT STANDARD</b>		
<b>Unit Standard Title</b>	Transport and load explosives into blast holes using a mixer-placer truck in an underground mine			
<b>NQF Level</b>	03	<b>SGB</b>	Mining and Minerals	
<b>Credits</b>	5	<b>Notional Hours</b>		50
<b>Duration</b>	<b>Candidate</b>	<b>Knowledge</b>	<b>Practical</b>	<b>Workplace</b>
	<b>Novice</b>	2 days	2 days	2 days / 16 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
- Additional 1 Day is required to conduct the Summative Practical Assessment after workplace exposure (logbook).

<p style="text-align: center;"><b><u>PURPOSE OF THE COURSE</u></b></p> <p>This unit standard will be useful to people who have to transport and load explosives into blast holes using a mixer-placer truck in an underground mine</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 underground at NQF Level 2.</li> <li>• Take charge of and drive an articulating vehicle in an underground mine at NQF Level 2.</li> <li>• Treat and remove a misfire at NQF Level 2</li> <li>• Receive, handle, store and issue explosives and accessories at a workplace Certificate</li> <li>• Convey dangerous goods Certificate</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 and loading of explosives using a mixer-placer truck.</li> <li>• Prepare for transporting and loading of explosives.</li> <li>• Transport and load explosives.</li> <li>• Perform post-transporting and loading activities</li> </ul>	
<p><b><u>ESSENTIAL EMBEDDED KNOWLEDGE</u></b></p> <p>The following embedded knowledge is addressed in an integrated way in the unit standard:</p> <p><b>Actions to be taken in the event of emergencies:</b></p> <ul style="list-style-type: none"> <li>• Brake failure.</li> <li>• Fire to equipment/machinery.</li> <li>• Fall of Ground.</li> <li>• Collisions.</li> <li>• Power failures.</li> <li>• Explosions.</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>• Pre-use inspection.</li> <li>• Permissible number of persons, tools and equipment to be transported.</li> </ul>	

- Quality and types of explosives to be transported.
  - Park mixer-placer truck in designated area.
- Occupational safety and occupational health environment:**
- Hazards and risks encountered.
  - Safety systems and health protection.
  - Personal protective equipment.
  - Environmental protection and pollution controls.
  - Emergency procedures.
  - Use of tools, material and equipment.
- Applicable statutory requirements for a skid steer secondary drill rig:**
- 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. \*\*