

**SOUTH AFRICAN QUALIFICATIONS AUTHORITY (SAQA)**

In accordance with Regulation 24(c) of the National Standards Bodies Regulations of 28 March 1998, the Standards Generating Body (SGB) for

Mining and Minerals

registered by Organising Field 06 – Manufacturing, Engineering and Technology, publishes the following Unit Standards for public comment.

This notice contains the titles, fields, sub-fields, NQF levels, credits, and purpose of the Unit Standards. The full Unit Standards can be accessed via the SAQA web-site at www.saga.org.za. Copies may also be obtained from the Directorate of Standards Setting and Development at the SAQA offices, SAQA House, 1067 Arcadia Street, Hatfield, Pretoria.

Comment on the Unit Standards should reach SAQA at the address below and **no later than 25 July 2008**. All correspondence should be marked **Standards Setting – SGB for Mining and Minerals** and addressed to

The Director: Standards Setting and Development
SAQA

Attention: Mr. D. Mphuthing

Postnet Suite 248

Private Bag X06

Waterkloof

0145

or faxed to 012 – 431-5144

e-mail: dmphuthing@saga.org.za

DR. S. BHIKHA

DIRECTOR: STANDARDS SETTING AND DEVELOPMENT



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

Operate a friction-driven winder

SAQA US ID		UNIT STANDARD TITLE	
256595		Operate a friction-driven winder	
ORIGINATOR		PROVIDER	
SGB Mining and Minerals			
FIELD		SUBFIELD	
6 - Manufacturing, Engineering and Technology		Fabrication and Extraction	
ABET BAND	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
Undefined	Regular	Level 3	5

This unit standard replaces:

US ID	Unit Standard Title	NQF Level	Credits	Replacement Status
110144	Operate a friction driven winder	Level 3	15	Will occur as soon as 256595 is registered

SPECIFIC OUTCOME 1

Explain specific requirements pertaining to the operation of a friction-driven winder.

SPECIFIC OUTCOME 2

Prepare to operate a friction-driven winder.

SPECIFIC OUTCOME 3

Operate a friction-driven winder.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

None



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:***Operate an alternating current winder***

SAQA US ID	UNIT STANDARD TITLE		
256597	Operate an alternating current winder		
ORIGINATOR	PROVIDER		
SGB Mining and Minerals			
FIELD	SUBFIELD		
6 - Manufacturing, Engineering and Technology	Fabrication and Extraction		
ABET BAND	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
Undefined	Regular	Level 3	15

This unit standard replaces:

US ID	Unit Standard Title	NQF Level	Credits	Replacement Status
110154	Operate an alternating current winder	Level 3	15	Will occur as soon as 256597 is registered

SPECIFIC OUTCOME 1

Explain specific requirements pertaining to the operation of an alternating current winder.

SPECIFIC OUTCOME 2

Prepare to operate an alternating current winder.

SPECIFIC OUTCOME 3

Operate an alternating current winder.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

None



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

Position conveyances in a shaft by means of clutching

SAQA US ID	UNIT STANDARD TITLE		
256600	Position conveyances in a shaft by means of clutching		
ORIGINATOR			PROVIDER
SGB Mining and Minerals			
FIELD			SUBFIELD
6 - Manufacturing, Engineering and Technology			Fabrication and Extraction
ABET BAND	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
Undefined	Regular	Level 3	11

This unit standard replaces:

US ID	Unit Standard Title	NQF Level	Credits	Replacement Status
9590	Position conveyances in a shaft by means of clutching	Level 3	11	Will occur as soon as 256600 is registered

SPECIFIC OUTCOME 1

Explain the specific requirements regarding the clutching of a winder.

SPECIFIC OUTCOME 2

Prepare to clutch a winder.

SPECIFIC OUTCOME 3

Clutch the winder.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

None



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

Operate a direct current winder

SAQA US ID	UNIT STANDARD TITLE		
256603	Operate a direct current winder		
ORIGINATOR		PROVIDER	
SGB Mining and Minerals			
FIELD		SUBFIELD	
6 - Manufacturing, Engineering and Technology		Fabrication and Extraction	
ABET BAND	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
Undefined	Regular	Level 3	15

This unit standard replaces:

US ID	Unit Standard Title	NQF Level	Credits	Replacement Status
110165	Operate a direct current winder	Level 3	15	Will occur as soon as 256603 is registered

SPECIFIC OUTCOME 1

Explain specific requirements pertaining to the operation of a direct current winder.

SPECIFIC OUTCOME 2

Prepare to operate a direct current winder.

SPECIFIC OUTCOME 3

Operate a direct current winder.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

None



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

Shut down a winding plant

SAQA US ID	UNIT STANDARD TITLE		
256606	Shut down a winding plant		
ORIGINATOR		PROVIDER	
SGB Mining and Minerals			
FIELD		SUBFIELD	
6 - Manufacturing, Engineering and Technology		Fabrication and Extraction	
ABET BAND	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
Undefined	Regular	Level 3	3

This unit standard does not replace any other unit standard and is not replaced by another unit standard.

SPECIFIC OUTCOME 1

Explain the specific requirements pertaining to shut down a winding plant.

SPECIFIC OUTCOME 2

Prepare to shut down a winding plant.

SPECIFIC OUTCOME 3

Shut down a winding plant.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

None



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

Remove slung material from a shaft

SAQA US ID		UNIT STANDARD TITLE	
256616		Remove slung material from a shaft	
ORIGINATOR		PROVIDER	
SGB Mining and Minerals			
FIELD		SUBFIELD	
6 - Manufacturing, Engineering and Technology		Fabrication and Extraction	
ABET BAND	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
Undefined	Regular	Level 2	4

This unit standard replaces:

US ID	Unit Standard Title	NQF Level	Credits	Replacement Status
9604	Remove slung material from a shaft	Level 2	4	Will occur as soon as 256616 is registered

SPECIFIC OUTCOME 1

Explain specific requirements pertaining to the removal of slung material from a shaft.

SPECIFIC OUTCOME 2

Prepare to remove slung material from a shaft.

SPECIFIC OUTCOME 3

Remove slung material from a shaft.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

None



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

Remove long material from a shaft conveyance

SAQA US ID	UNIT STANDARD TITLE		
256619	Remove long material from a shaft conveyance		
ORIGINATOR		PROVIDER	
SGB Mining and Minerals			
FIELD		SUBFIELD	
6 - Manufacturing, Engineering and Technology		Fabrication and Extraction	
ABET BAND	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
Undefined	Regular	Level 2	3

This unit standard does not replace any other unit standard and is not replaced by another unit standard.

SPECIFIC OUTCOME 1

Explain specific requirements for the removal of long material from a shaft conveyance.

SPECIFIC OUTCOME 2

Prepare to remove long material from a shaft conveyance.

SPECIFIC OUTCOME 3

Remove long material from a shaft conveyance.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

None



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

Sling material into a shaft

SAQA US ID	UNIT STANDARD TITLE		
256621	Sling material into a shaft		
ORIGINATOR		PROVIDER	
SGB Mining and Minerals			
FIELD		SUBFIELD	
6 - Manufacturing, Engineering and Technology		Fabrication and Extraction	
ABET BAND	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
Undefined	Regular	Level 2	4

This unit standard replaces:

US ID	Unit Standard Title	NQF Level	Credits	Replacement Status
9603	Sling material into a shaft	Level 2	4	Will occur as soon as 256621 is registered

SPECIFIC OUTCOME 1

Explain the specific requirements pertaining to the slinging of material into a shaft.

SPECIFIC OUTCOME 2

Prepare to sling material into the shaft.

SPECIFIC OUTCOME 3

Sling material into a shaft.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

None



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

Change a conveyance in a shaft

SAQA US ID		UNIT STANDARD TITLE	
256624		Change a conveyance in a shaft	
ORIGINATOR		PROVIDER	
SGB Mining and Minerals			
FIELD		SUBFIELD	
6 - Manufacturing, Engineering and Technology		Fabrication and Extraction	
ABET BAND	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
Undefined	Regular	Level 2	2

This unit standard does not replace any other unit standard and is not replaced by another unit standard.

SPECIFIC OUTCOME 1

Explain the specific requirements for changing a conveyance in a shaft.

SPECIFIC OUTCOME 2

Prepare to change a conveyance in a shaft.

SPECIFIC OUTCOME 3

Change conveyance in a shaft.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

None



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

Start and take control of a winder

SAQA US ID	UNIT STANDARD TITLE		
256635	Start and take control of a winder		
ORIGINATOR	PROVIDER		
SGB Mining and Minerals			
FIELD	SUBFIELD		
6 - Manufacturing, Engineering and Technology	Fabrication and Extraction		
ABET BAND	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
Undefined	Regular	Level 3	19

This unit standard replaces:

US ID	Unit Standard Title	NQF Level	Credits	Replacement Status
110153	Start and take control of a winder	Level 3	19	Will occur as soon as 256635 is registered

SPECIFIC OUTCOME 1

Explain the specific requirements pertaining to the starting and taking control of a winder.

SPECIFIC OUTCOME 2

Prepare to start and take control of a winder.

SPECIFIC OUTCOME 3

Start and take control of a winder.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

None



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

Demonstrate an understanding of the functions of electrical and mechanical components on a winder

SAQA US ID		UNIT STANDARD TITLE	
256636		Demonstrate an understanding of the functions of electrical and mechanical components on a winder	
ORIGINATOR		PROVIDER	
SGB Mining and Minerals			
FIELD		SUBFIELD	
6 - Manufacturing, Engineering and Technology		Fabrication and Extraction	
ABET BAND	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
Undefined	Regular	Level 3	6

This unit standard replaces:

US ID	Unit Standard Title	NQF Level	Credits	Replacement Status
110172	Demonstrate an understanding of the functions of electrical and mechanical components on a winder	Level 3	9	Will occur as soon as 256636 is registered

SPECIFIC OUTCOME 1

Describe the functions of electrical components on a winder.

SPECIFIC OUTCOME 2

Explain the functions of mechanical components on a winder.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

None



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

Understand health and safety practices pertaining to winding operations

SAQA US ID		UNIT STANDARD TITLE	
256637		Understand health and safety practices pertaining to winding operations	
ORIGINATOR		PROVIDER	
SGB Mining and Minerals			
FIELD		SUBFIELD	
6 - Manufacturing, Engineering and Technology		Fabrication and Extraction	
ABET BAND	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
Undefined	Regular	Level 3	5

This unit standard replaces:

US ID	Unit Standard Title	NQF Level	Credits	Replacement Status
110179	Follow basic health and safety practices pertaining to winding operations	Level 3	5	Will occur as soon as 256637 is registered

SPECIFIC OUTCOME 1

Describe specific requirements regarding the actions to be taken in the event of operational problems.

SPECIFIC OUTCOME 2

Describe specific requirements regarding the action to be taken in the event of emergencies.

SPECIFIC OUTCOME 3

Explain the requirements regarding occupational health and safety practices in the workplace.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

None