



TRUE-BLUE TRAINING

TETA / CETA / merSETA / MQA Accredited Training Provider

DHET Registered 2019/FE07/008 Expiry 2021.12.31

Reg: 2012/029393/07 VAT: 4560264733

Web: www.truebluetraining.co.za

Tel: 014 594 2922 E-mail: admin@tbtrtb.co.za

5 Little Kingdom, 98 Kerk Street, Rustenburg



BROCHURE



Doc nr	TBT052GEN02	Date	Sep 2019	Rev nr	007	Compiled	L Boshoff	Approved	C Grobler
--------	-------------	------	----------	--------	-----	----------	-----------	----------	-----------



OUR MISSION:

To make, through our inputs, our consulting and our training services, a contribution to South Africa and thereby help to create a knowledge empowered workforce in South Africa.

OUR VISION:

The creation of a well skilled and well-informed workforce that will contribute to the wealth and social well-being of all South Africans.

Our values:

- Reliability
- Commitment
- Consistency
- Honesty
- Efficiency
- Integrity
- Trust
- Accountability
- Respect

True-Blue Training is Programme Approved and registered with the following Authorities:-

- TETA - 13-374
- CETA – 8R85218
- merSETA- 17-QA/ACC/1174/16
- MQA - 16/MQA/0787/PA/160318
- Department of Labour – Driven Machinery - No: 520
- DHET – 2019/FE07/008- Expiry 2021.12.31
- ISO 9001:2015 – ACS QMS 0326/00
- Saioosh - 58676019
- BEE (Level 4) – Sworn Affidavit (26% Black female ownership)
- SARS – 9203/372/18/1
- SDL - L070785474
- UIF - 2157437/6
- WCA - 990000707168
- VAT - 4560264733
- PAYE – 7070785474
- Legal Liability - Mutual & Federal - Policy: LC/M/02/MSURE/616922661
- Awaiting registration with Department of Transport



1	ACCREDITED TRAINING TETA 13-374		P8
1.1	<i>Lifting machines</i>		P8
	Counterbalanced lift truck (Forklift): Code F1, F2, F3 and F4	US242974	
	Rough terrain / Earthmoving / Agricultural Equipment with lift truck attachments: Code F11	US260762	
	Defined Purpose Lift Truck	US242981	
	Pedestrian Controlled Lift Truck under 2T: Code F6	US242981	
	Pedestrian Controlled Lift Truck over 2T: Code F7	US242981	
	Pallet Lift Truck, Battery-Powered for Propulsion: Code F12	US242981	
	Advanced Defined Purpose Lift Truck	US242972	
	Reach Lift Truck Under 2,5T: Code F5	US242972	
	Order Picker Lift Truck – 1 st & 2 nd level racking (NA/WA): Code F8	US242972	
	Order Picker Lift Truck – all level racking including high rise (NA/WA): Code F9	US242972	
	VNA (Very narrow aisle) lift truck, non-elevating cab, to service all levels: Code F13	US242972	
	VNA lift truck, elevating cab, to service all levels: Code F14	US242972	
	Rail mounted stacker lift truck with non-elevating cab: Code F15	US242972	
	Rail mounted stacker lift truck with elevating cab: F16	US242972	
1.2	<i>Cranes</i>		P11
	Overhead Crane Pendant and Radio controlled: Code C30	US116235	
	Overhead Crane Cab controlled: Code C31	US116231	
	Truck Mounted Crane: Code C32	US242978	
	Hydraulic Mobile Crane under 50T: Code C33	US116254	
	Hydraulic Mobile Crane over 50T: Code C35	US242982	
	Hydraulic Mobile Crane Pick up and Carry under 50T: Code C34	US116254	
	Hydraulic Mobile Crane Pick up and Carry over 50T: Code C36	US242982	
	Lattice Boom Mobile Truck Crane under 50T: Code C37	US116254	
	Lattice Boom Mobile Truck Crane over 50T: Code C39	US242982	
	Lattice Boom Mobile Crawler under 50T: Code C38	US116254	
	Lattice Boom Mobile Crawler over 50T: Code C40	US242982	
	Tower Crane Top slewing: Code C41	US116255	
	Tower Crane Bottom slewing: Code C42	US116255	
	Telescopic Boom Handler: Code C46	US260781	
	Mobile Elevated Work Platform (MEWP): Code C53	US243272	
	Monitor and control the safety and operations of Mobile Elevating Work Platforms	US243273	
1.3	<i>Attachment Codes</i>		
	A = Side-shift	M = Lifting Cradle (Personnel Cage)	
	B = Single Pole	N = Tyre Handler	
	C = Carton or Paper Roll Clamp	O = Fly Jib (Lattice)	
	D = Crane Hook	P = Boom Extension (Hydraulic)	
	E = Push-Pull / Slip Sheet Equipment	Q = Counterweight Options	
	F = Load Rotator	R = Tandem Lifts	
	G = Wire Guidance System	S = Special Categories	
	H = Load Extender Pantograph	T = Lifting Cradle (Personnel Cage)	



	I = Rotating Mast (order Picker)	U = Rail Mounted
	J = Tilting Bucket	V = Steam Driven
	K = Tandem Forks	W = Spreader
	L = Container handling	X = Grab / Grapple / Forks
1.4	<i>Skills and safety</i>	P18
	First Aid Level 1	US119567
	Basic fire fighting	US12484
	Safe lifting practices	US253638
	Maintaining occupational health, safety and general housekeeping	US8016
	Convey dangerous goods by road	US123259
	Demonstrate basic understanding of the Primary labour legislation that impacts on a business unit	US13952
	Apply principles, regulations and legislation underlying supply chain management in the public sector	US119345
	Manage risk in own work environment	US119265
	Chain blocks and lever hoists	US244407
1.5	<i>Awaiting extension of scope</i>	P23
	First Aid Level 3	US376480
	Overhead gantry crane: Code - C30; C31	US242976
2	ACCREDITED TRAINING CETA 8R85218	P26
2.1	<i>Earthmoving & Construction Machines</i>	P26
	Articulated dump truck	US262745
	Excavator	US262744
	Front end loader	US262747
	Skid steer loader	US262712
	Tracked dozer	US262729
	Grader	US262735
	Compact roller	US262805
	Wheeled dozer	US262713
	Tractor loader backhoe (TLB)	US262727
	Tractor	US262804
	Service truck	US262790
	Tip truck	US262734
	Water cart	US262764
	Rigid body dump truck	US262731
2.2	<i>Skills and safety</i>	P29
	Hand tools on a construction site	US12877
	Select, use and care for power tools	US10255
	Work in confined spaces	US15034
	Erect, use and dismantle access scaffolding	US263245
	Erect, use and dismantle access equipment for construction work	US261664
	Inspect access scaffolding	US263205
	Explain and perform fall arrest techniques when working at height	US229998
	Install, use and perform basic rescues from fall arrest systems and implement the fall protection plan	US229995
	First Aid Level 2	US120496



3	ACCREDITED TRAINING merSETA 17-QA/ACC/1174/16		P36
	Basic rigging & slinging	US14706	
4	ACCREDITED TRAINING MQA 16/MQA/0787/PA/160318 SKILLS PROGRAMME MQA/SP/0120/10		P37
	Conduct continuous hazard identification and risk assessment within a workplace	US244383	
	Describe the functions of the workplace health and safety representative	US259622	
	Explain basic health and safety principles in and around the workplace	US259639	
5.	ACCREDITED TRAINING MQA 16/MQA/0787/PA/160318 SKILLS PROGRAMME MQA/SP/0177/19		P40
	Explain basic health and safety principles in and around the workplace	259639	
	Demonstrate knowledge and ability to work in a surface mine	253025	
	Doze material using a rubber wheel dozer	257021	
	Use a track dozer to move material	257038	
	Drill blast holes in a surface mining operation	257026	
	De-water blast holes using vehicle mounted de-watering pump	257040	
	Drill medium diameter blast holes using a hydraulic or pneumatic drilling rig and compressor	230011	
	Drill small diameter blast holes using a percussion drilling rig and compressor	230020	
	Drill holes for blasting and/or splitting dimension stone blocks using a mechanised drill rig	116632	
	Drill intersecting holes for diamond wire sawing	116658	
	Drill holes using Down The Hole Drill	11671	
	Drill holes using a Small Diameter Rotary Drill not exceeding 170 mm	11669	
	Operate a mechanical core drill	12912	
	Support drilling operations in a surface mining context	115643	
	Supervise the process of small bore drilling	119536	
	Repair a rotary drill	253514	
	Prepare and mark off work area for drilling	257059	
	Demonstrate an understanding of drilling techniques	376199	
	Load material using a face shovel	257032	
	Excavate and load material using hydraulic excavator	257076	
	Load, Haul and Dump material using a front end loader	257031	
	Relocate material using a dragline	256996	
	Load, haul and dump material using a scraper	257035	
	Load and offload material using a skid steer loader	257034	
	Handle dimension stone blocks by means of front end loader	116626	
	Operate Tractor Loader Backhoe	257028	
	Haul and dump material using a haul truck	257024	
	Grade material using a motor grader	257115	
	Break rock using a hydraulic rock breaker	256997	
	Relocate machines and equipment using a lowbed	257018	
	Transport material and equipment using a flat back truck	257020	
	Suppress dust using a water bowser	257060	
	Transport and distribute explosives using a heavy-duty explosives vehicle	257017	
	Illuminate an area using a lighting plant	257077	
	Deliver compressed air using a mobile electrical compressor	256998	



	Transport and distribute explosives by means of a light duty explosives vehicle	257015
	Transport personnel, material and equipment using Light Delivery Vehicle	257025
	Bar down loose rocks using appropriate equipment	257041
	Transport and distribute fuel using a Fuel Bowser	257135
	Operate a mixer-placer explosives truck	230018
	Load, transport and place explosives components into blast holes using a mixer-placer truck	257019
	Move trailing cable using cable reeler	256995
	Remove and replace off-the-road (OTR) wheels and tyres	256176
	Operate a service truck	262790
	Demonstrate Knowledge and Use of Hand Operated Fire Fighting Equipment	13961
	Provide risk-based primary emergency care/first aid in the workplace	120496
6	SITE SPECIFIC TRAINING – NON UNIT STANDARD TRAINING	P66
	Abrasive cut off machine	
	Angle grinder	
	Apply advanced techniques for operating four wheel drive (4WD) vehicles in on-road and off-road conditions - 254154	
	Arc welding safety	
	Bench grinder safety	
	Carry out basic gas welding, brazing and cutting in an electrical environment - 258920	
	Co ² Gas welding safety	
	Conduct an investigation into workplace safety, health and environmental incidents - (Incident, accident investigation - 259624)	
	Conduct outcomes-based assessment - 115753	
	Conduct workplace Occupational Health and Safety (OHS inspections - 259619)	
	Control workplace hazardous substances - (HAZCHEM - 115093)	
	Control workplace hazards & risks (HIRA - 120330)	
	Conveyor Belt Cleaning	
	Demonstrate an understanding of HIV/Aids and its complications - 8494	
	Demonstrate understanding of occupational health and safety legislation in the workplace (Legal liability mines - 244288)	
	Die tool (blacksmith hammer)	
	Electrical hoist safety	
	Explain Health & Safety Regarding PPE - 259639	
	Fall protection inspection guide	
	Fire teams	
	Flash butt welder safety	
	Gas welding & cutting torch safety	
	Generator Safety	
	Hand & portable tools safety	
	Handle dangerous goods during warehousing and storage - 242996	
	High pressure steam washer safety	
	HIV Aids Awareness	
	Hydraulic torque wrench safety	
	Impact Wrench Safety	
	Jackhammer safety	
	K53 Driving Principles	
	Ladders safety guide	
	Mines health and safety act	
	Move, pack and maintain stock in a distribution centre/warehouse - 117898	
	Pan mixer safety	



	Pipe cutter & Bearing heater	
	Plasma cutter safety	
	Principles of basic fire fighting	
	Provide first aid as an advanced first responder - (First aid 3 - 376480)	
	Rock drill safety	
	Roll back tow truck safety	
	Safe lifting practices awareness	
	Safe Operating Procedures (SOP)	
	Safety harness awareness	
	Scaffolding awareness	
	Skip loader	
	Slurry pump	
	Spotter Training	
	Team leader	
	Torque wrench	
	Traffic Management	
	Utility vehicle	
	Verify compliance to safety, health and environmental requirements in the workplace - 259604	
	Demonstrate an understanding of entrepreneurship and develop entrepreneurial qualities	
	Basic welding	
	Basic electrical	
	Basic plumbing	
	Basic motor mechanical	
	Basic bricklaying	
	Basic upholstery	
	Basic sewing and garment making	
	Basic tiling	
7	Saioh Corporate member 5867019 (SAQA recognised Professional Body for Occupational Health and Safety Practitioners in terms with the NQF Act, Act 67 of 2008)	
	Demonstrate understanding of occupational health and safety legislation in the work place	
	Supervise work unit to achieve work unit objectives (teams and individuals)	
	Describe the functions of the workplace health and safety representative	
	Conduct an investigation into workplace safety, health & environmental incidents	
	Conduct continuous hazard identification and risk assessment within the workplace	
	Demonstrate the understanding of HIV/Aids and its complications	
	Explain basic health & safety principles in and around the workplace	
	Control workplace hazardous substances - HAZCHEM	
8	NATIONAL QUALIFICATIONS FRAMEWORK (NQF) LEVELS	P70
9	EXTRACT: NATIONAL CODE OF PRACTICE	P71
10	EXTRACT: CONSTRUCTION REGULATIONS	P72
11	STANDARD PPE REQUIREMENTS	P73

1. ACCREDITED TRAINING TETA 13-374

1.1 Lifting machines



COUNTER BALANCED LIFT TRUCK

F1-F4



ROUGH TERRAIN

F11



DEFINED PURPOSE LIFT TRUCK

F6, F7



ADVANCED DEFINED PURPOSE LIFT TRUCK

F5, F8, F9, F13, F14, F15, F16

Unit standard	Level	Credits	Description	Code
242974	3	7	Operate counterbalanced lift truck	F1; F2; F3; F4
260762	3	11	Operate a rough terrain vehicle	F11
242972	3	7	Operate advanced defined purpose lift truck	F6; F7
242981	2	4	Operate defined purpose lift truck	F5; F8; F9; F13; F14; F15; F16



COUNTER BALANCED LIFT TRUCK – US242974

PURPOSE OF THE UNIT STANDARD

The person credited with this Unit Standard is able to operate a counter-balanced lift truck in a safe manner. They will also be able to conduct pre and post inspections to ensure the performance of the lift truck. The person will be able to handle the loading and storage of freight by using the equipment and its accessories in the required manner. They will also be able to access emergency system and services in the event of an incident or accident.

LEARNING ASSUMED TO BE IN PLACE

It is assumed that learners accessing this unit standard will have demonstrated competence in:

- Communication at NQF Level 2 or equivalent.
- Mathematical Literacy at NQF Level 2 or its equivalent.

OPERATE ROUGH TERRAIN/EARTHMOVING/AGRICULTURAL EQUIPMENT – US260762

PURPOSE OF THE UNIT STANDARD

Operating a lifting machine takes place within a regulatory framework that seeks to ensure safety of the operator, the lifting machine and the lifting machine environment. Rough terrain/earthmoving/agricultural equipment is inherently dangerous; hence, their safe operation cannot be overstated. The learner will also acquire the competencies and skills to operate the components, systems and levers to accomplish the task of lifting and handling loads appropriately. The aspects of safety and communication during the lifting operation are covered.

It is important that the learners operate rough terrain/earthmoving/agricultural equipment using the competencies in this Unit Standard and in keeping with the requirements of the National Code of Practice (NCOP) for the Evaluation of Training Providers for Lifting Machine Operators (Government Gazette 27292: 18 February 2005).

LEARNING ASSUMED TO BE IN PLACE

It is assumed that learners accessing this unit standard will have demonstrated competence in:

- Communication at NQF Level 3.
- Mathematical Literacy at NQF Level 3.

OPERATE DEFINED PURPOSE LIFT TRUCKS – US242981

PURPOSE OF THE UNIT STANDARD

The person credited with this unit standard is able to operate a basic purpose lift truck. They are able to access emergency support and services in the case of an emergency while operating a lift truck. The person is also able to identify and classify the load, handle and move the freight while operating the lifting equipment in accordance with standards and its performance capabilities. They are also able to monitor the fitness of the lift truck.

LEARNING ASSUMED TO BE IN PLACE

It is assumed that learners accessing this unit standard will have demonstrated competence in:



- Communication at NQF Level 1 or equivalent.
- Mathematical Literacy at NQF Level 1 or equivalent.

OPERATE ADVANCED DEFINED PURPOSE LIFT TRUCKS – US242972

PURPOSE OF THE UNIT STANDARD

The person credited with this unit standard is able to operate a battery operated defined purpose lift truck. They are able to access emergency support and services in the case of an emergency while operating a lift truck. The person is also able to identify and classify the load, handle and move the freight while operating the lifting equipment in accordance with standards and its performance capabilities. They are also able to monitor the fitness of the lift truck.

LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

It is assumed that learners accessing this unit standard are competent in:

- Communication at NQF Level 2 or equivalent.
- Mathematical Literacy at NQF Level 2 or equivalent.

1. ACCREDITED TRAINING TETA 13-374

1.2 Cranes



OVERHEAD CRANE
(PENDANT CONTROL)

C30



OVERHEAD CRANE
(CAB CONTROL)

C31



TRUCK MOUNTED CRANE

C32



MOBILE CRANE UNDER 50T

C33, C34, C37, C38



MOBILE CRANE OVER 50T

C35, C36, C39, C40



MOBILIFT

C36



MOBILE ELEVATING WORK PLATFORM
(MEWP)

C53



TOWER CRANE

C41, C42



TELESCOPIC BOOM HANDLER

C46

Unit standard	Level	Credits	Description	Code
116235	2	5	Operate a pendant control overhead crane	C30
116231	2	8	Operate a cab control overhead crane	C31
242978	3	8	Operate a truck mounted crane	C32
116254	2	20	Operate a mobile crane under 50T	C33; C34; C37; C38
260781	3	10	Operate a telescopic boom handler	C46
242982	3	14	Operate a mobile crane over 50T	C35; C36; C39; C40
243272/3	6	18	Operate a mobile elevating work platform	C53
243273	4	8	Monitor and control the safety and operations of Mobile Elevating Work Platforms	
116255	2	20	Operate a tower crane	C41, C42



OPERATE A PENDANT CONTROLLED OVERHEAD CRANE – US116235

PURPOSE OF THE UNIT STANDARD

The qualifying learner is capable of:

Demonstrating an integrated practical and theoretical grounding in Crane Operations according to safe handling and maintenance practices in compliance with crane manufacturers and legislated standards.

The contribution to The National Skills Development Strategy is the key developmental interface between learners and new competencies to be achieved.

Learners who master the applied competence described in this unit standard will contribute to the development of a professional community of Civil Engineering Construction Crane Operators who are able to competently use science and technology when applying operation techniques.

LEARNING ASSUMED TO BE IN PLACE

It is assumed that learners accessing this unit standard will have demonstrated competence in:

The following knowledge, skills attitude and/or equivalent:

Learning assumed to be in place

NQF Level 1 Numeracy and

NQF Level 1 Literacy

The operator should be declared physically fit and have completed an eyesight test (such as the Orthorator test, the Purdue University Test No. 3, etc.) and an industry recognised depth perception and hand-eye co-ordination test.

It is assumed that people starting to learn towards this unit standard have already undergone company induction, have an appropriate licence to operate in the work area, and are competent in unit standards which address:

- Relevant Code of practice
- Occupational Health, Safety and General Housekeeping
- Mechanical Awareness and Plant Appreciation

OPERATE A CAB CONTROLLED OVERHEAD CRANE – US116231

PURPOSE OF THE UNIT STANDARD

The qualifying learner is capable of:

Demonstrating an integrated practical and theoretical grounding in Crane Operations according to safe handling and maintenance practices in compliance with crane manufacturers and legislated standards.

The contribution to The National Skills Development Strategy is the key developmental interface between learners and new competencies to be achieved.

Learners who master the applied competence described in this unit standard will contribute to the



development of a professional community of Civil Engineering Construction Crane Operators who are able to competently use science and technology when applying operation techniques

LEARNING ASSUMED TO BE IN PLACE

It is assumed that learners accessing this unit standard will have demonstrated competence in:

The following knowledge, skills attitude and/or equivalent:

Learning assumed to be in place

NQF Level 1 Numeracy and NQF Level 1 Literacy

The operator should be declared physically fit and have completed an eyesight test (such as the Orthorator test, the Purdue University Test No. 3, etc.) and an industry recognised depth perception and hand-eye co-ordination test.

It is assumed that people starting to learn towards this unit standard have already undergone company induction, have an appropriate licence to operate in the work area, and are competent in unit standards which address:

- Relevant Code of practice
- Occupational Health, Safety and General Housekeeping
- Mechanical Awareness and Plant Appreciation

OPERATE TRUCK-MOUNTED CRANES - US242978

PURPOSE OF THE UNIT STANDARD

The person credited with this unit standard will be able to understand the functions of a truck mounted crane while using the crane in a safe and suitable manner. They will also be able to access support and emergency services in the case of an incident or accident in the workplace.

The qualifying learner is capable of:

- Demonstrating knowledge of the functions of a truck mounted crane.
- Identifying the safety and suitability of the crane.
- Inspecting and recording the operational fitness of the components of the truck and crane.
- Operating a truck mounted crane.

Accessing available support systems and emergency services in case of incidents and accidents.

LEARNING ASSUMED TO BE IN PLACE

It is assumed that learners accessing this unit standard will have demonstrated competence in:

- Communication at NQF Level 2 or equivalent.
- Mathematical Literacy at NQF Level 2 or equivalent.



OPERATE A MOBILE CRANE – US116254

PURPOSE OF THE UNIT STANDARD

The qualifying learner is capable of:

Demonstrating an integrated practical and theoretical grounding in crane operations according to safe handling and maintenance practices in compliance with crane manufacturers and legislated standards.

The contribution to the national skills development strategy is the key developmental interface between learners and new competencies to be achieved.

Learners who master the applied competence described in this unit standard will contribute to the development of a professional community of civil engineering construction crane operators who are able to competently use science and technology when applying operation techniques.

LEARNING ASSUMED TO BE IN PLACE

It is assumed that learners accessing this unit standard will have demonstrated competence in:

The following knowledge, skills attitude and/or equivalent:

Learning assumed to be in place

NQF Level 1 Numeracy and NQF Level 1 Literacy

The driver should be declared physically fit and have completed an eyesight test (such as the Orthorator test, the Purdue University Test No. 3, etc.) and an industry recognised depth perception and hand-eye co-ordination test.

It is assumed that people starting to learn towards this unit standard have already undergone company induction, have an appropriate licence to operate in the work area, and are competent in unit standards which address:

- Relevant Code of practice
- Occupational Health, Safety and General Housekeeping
- Mechanical Awareness and Plant Appreciation

OPERATE A TELESCOPIC BOOM HANDLER – US260781

PURPOSE OF THE UNIT STANDARD

Operating a lifting machine takes place within a regulatory framework that seeks to ensure safety of the operator, the lifting machine and the lifting machine environment. Telescopic boom handlers are inherently dangerous; hence, their safe operation cannot be overstated. The learner will also acquire the competencies and skills to operate the components, systems and levers to accomplish the task of lifting and handling loads appropriately. The aspects of safety and communication during the lifting operation are covered.

It is important that the learners operate Telescopic boom handlers using the competencies in this Unit Standard and in keeping with the requirements of the National Code of Practice (NCOP) for the Evaluation of Training Providers for Lifting Machine Operators (Government Gazette 27292 - 18



February 2005).

Learners credited with this standard will be capable of:

- Discussing and applying the regulatory framework for operating Telescopic boom handlers.
- Describing the telescopic boom handler to be operated.
- Demonstrating mechanical awareness of the telescopic boom handler.
- Inspecting the telescopic boom handler.
- Handling loads with a telescopic boom handler.

Operating the telescopic boom handler.

LEARNING ASSUMED TO BE IN PLACE

It is assumed that learners accessing this unit standard will have demonstrated competence in:

- Communication at NQF Level 3.
- Mathematical Literacy at NQF Level 3.

OPERATE HEAVY CRANE – US242982

PURPOSE OF THE UNIT STANDARD

The person credited with this unit standard is able to identify the safety and suitability of crane type prior to utilisation while applying methods of inspecting and recording the operational fitness of all components of the crane. Learners are also able to operate heavy canes in a safe and competent manner.

The qualifying learner is capable of:

- Identifying the safety and suitability of crane type prior to utilisation thereof, giving consideration to freight characteristics, equipment manufactures requirements and environmental conditions.
- Applying the recognised methods for inspecting and recording the operational fitness of all components of the crane with reference to safety procedures in the workplace.
- Operating the heavy crane in a safe and competent manner.

Accessing available support and emergency services in the case of incidents and accidents.

LEARNING ASSUMED TO BE IN PLACE

It is assumed that learners accessing this unit standard will have demonstrated competence in:

- Communication at NQF Level 2 or equivalent.
- Mathematical Literacy at NQF Level 2 or equivalent.
- Crane operators that drive on Public Roads will require the relevant driver's license, in accordance with the National Road Traffic Act requirements.
- The operator must be declared physically fit and have passed an eyesight test (such as the Orthorator test, the Purdue University Test No. 3, etc.), or a current PDP, as well as industry recognised depth perception, speed of reflexes and hand-eye co-ordination tests, prior to commencement of training.



OPERATE A MOBILE ELEVATING WORK PLATFORM (MEWP) – US243272

PURPOSE OF THE UNIT STANDARD

The person credited with this unit standard is able to safely operate and use a Mobile Elevating Work Platform. The learner will be able to assess his/her work environment so as to establish any safety hazards in order to prevent or eliminate such hazards and resultant losses, to conduct pre-inspection tests and to operate the Mobile Elevating Work Platform in safe conditions.

The qualifying learner is capable of:

- Identifying applications to decide on the appropriate Mobile Elevating Work Platform to be used.
- Assessing risks in the work environment to prevent and eliminate safety hazards.
- Conducting pre-operation inspection of Mobile Elevating Work Platform.
- Making use of safe operating procedures and practices for a Mobile Elevating Work Platform.
- Placing people, tools and equipment correctly and safely on Mobile Elevating Work Platform.

Conducting shut-down procedures and stow Mobile Elevating Work Platform safely.

LEARNING ASSUMED TO BE IN PLACE

It is assumed that learners accessing this unit standard will have demonstrated competence in:

- Mathematical Literacy at NQF Level 1 or equivalent.
- Communication at NQF Level 1 or equivalent.

MONITOR AND CONTROL THE SAFETY AND OPERATIONS OF MOBILE ELEVATING WORK PLATFORMS – US243273

PURPOSE OF THE UNIT STANDARD

Learners who are assessed as competent against this unit standard will be able to demonstrate an understanding of safe operating procedures and practices of Mobile Elevating Work Platforms. Learners are also able to place people, tools and equipment onto Mobile Elevating Work Platforms in the correct and safe manner, by conducting shut down procedures.

The qualifying learner is capable of:

- Making use of safe operating procedures and practices of Mobile Elevating Work Platforms.
- Correcting and safe placing of people, tools and equipment onto Mobile Elevating Work Platforms.
- Overseeing shut down procedures.

Building and maintaining operator's capacity

LEARNING ASSUMED TO BE IN PLACE

It is assumed that learners accessing this unit standard will have demonstrated competence in:

- Communication Skills at NQF Level 3 or equivalent.
- Mathematical Literacy at NQF Level 3 or equivalent.



OPERATE A TOWER CRANE – US116255

PURPOSE OF THE UNIT STANDARD

The qualifying learner is capable of:

Demonstrating an integrated practical and theoretical grounding in Crane Operations according to safe handling and maintenance practices in compliance with crane manufacturers and legislated standards.

The contribution to The National Skills Development Strategy is the key developmental interface between learners and new competencies to be achieved.

Learners who master the applied competence described in this unit standard will contribute to the development of a professional community of Civil Engineering Construction Crane Operators who are able to competently use science and technology when applying operation techniques

LEARNING ASSUMED TO BE IN PLACE

It is assumed that learners accessing this unit standard will have demonstrated competence in:

The following knowledge, skills attitude and/or equivalent:

Learning assumed to be in place

NQF Level 1 Numeracy and NQF Level 1 Literacy

The driver should be declared physically fit and have completed an eyesight test (such as the Orthorator test, the Purdue University Test No. 3, etc.) and an industry recognised depth perception and hand-eye co-ordination test.

It is assumed that people starting to learn towards this unit standard have already undergone company induction, have an appropriate licence to operate in the work area, and are competent in unit standards which address:

- Relevant Code of practice
- Occupational Health, Safety and General Housekeeping
- Mechanical Awareness and Plant Appreciation

1. ACCREDITED TRAINING TETA 13-374

1.4 Skills & Safety



FIRST AID LEVEL 1



BASIC FIRE FIGHTING



SAFE LIFTING PRACTICES



*OCCUPATIONAL HEALTH, SAFETY &
GENERAL HOUSEKEEPING*



CONVEY DANGEROUS GOODS



LABOUR LEGISLATION



SUPPLY CHAIN MANAGEMENT



RISK MANAGEMENT



CHAIN BLOCKS AND LEVER HOISTS

<u>Unit standard</u>	<u>Level</u>	<u>Credits</u>	<u>Description</u>
119567	1	8	First Aid level 1
12484	2	4	Basic fire fighting
253638	2	4	Safe lifting practices
8016	3	8	Maintaining occupational health, safety and general housekeeping
123259	3	4	Convey dangerous goods by road
13952	4	8	Demonstrate basic understanding of the Primary labour legislation that impacts on a business unit
119345	5	15	Apply principles, regulations and legislation underlying supply chain management in the public sector
119265	4	2	Manage risk in own work environment
224447	3	7	Chain blocks and lever hoists



PERFORM BASIC LIFE SUPPORT AND FIRST AID PROCEDURES – US119567

PURPOSE OF THE UNIT STANDARD

This unit standard is for persons required to assess the emergency situation and providing basic Life Support and basic First Aid in order to stabilise patients prior to transfer to the emergency services.

People credited with this unit standard are able to:

- Demonstrate an understanding of emergency scene management
- Demonstrate an understanding of elementary anatomy and physiology
- Assess an emergency situation
- Apply First Aid procedures to the life-threatening situation

Treat common injuries

LEARNING ASSUMED TO BE IN PLACE

It is assumed that learners accessing this unit standard will have demonstrated competence in:

This unit standard has been designed as part of a progression. It is one of a series of unit standards for safety, health and environmental protection in the field of manufacturing and engineering.

PERFORM BASIC FIRE FIGHTING – US12484

PURPOSE OF THE UNIT STANDARD

The skills, values and knowledge reflected in this unit standard are required by people in the field of manufacturing and engineering.

The learning outcomes in this unit standard also contribute to the exit level outcomes required for various manufacturing and engineering qualifications.

Qualifying learners can select and use the appropriate fire fighting equipment to extinguish or control fires in the workplace.

LEARNING ASSUMED TO BE IN PLACE

It is assumed that learners accessing this unit standard will have demonstrated competence in:

This unit standard has been designed as part of a progression. It is one of a series of unit standards for safety, health and environmental protection in the field of manufacturing and engineering.

SLING AND COMMUNICATE DURING CRANE OPERATIONS – US253638

PURPOSE OF THE UNIT STANDARD

The qualifying learner is capable of:

Demonstrating an integrated practical and theoretical grounding in Crane Operations, inspecting and evaluating lifting gear, preparing and slinging regular loads, as well as communicating during crane operations.

The contribution to The National Skills Development Strategy is the key developmental interface between learners and new competencies to be achieved.



Learners who master the applied competence described in this unit standard will contribute to the development of a professional community of mechanical handling specialists who are able to competently use science and technology when applying operation techniques.

LEARNING ASSUMED TO BE IN PLACE

It is assumed that learners accessing this unit standard will have demonstrated competence in:

NQF Level 1 Numeracy and NQF Level 1 Literacy and related science and technology.

This unit standard has been designed as part of a progression. It is one of a series of unit standards for learners in the mechanical handling or related engineering environment.

The credits allocated to this unit standard also assume that a learner has already learned to use hand tools, and is able to work safely.

MAINTAINING OCCUPATIONAL HEALTH, SAFETY AND GENERAL HOUSEKEEPING – US8016

PURPOSE OF THE UNIT STANDARD

A learner accredited with this standard will be able to demonstrate applied competence in occupational health, safety awareness of environmental issues and general housekeeping based on statutory and industry requirements.

LEARNING ASSUMED TO BE IN PLACE

It is assumed that learners accessing this unit standard will have demonstrated competence in:

- NQF 1 or General Education and Training Certificate;
- Fire Fighting Standard (NQF level 1);
- Emergency Care Standard (NQF Level 1).

CONVEY DANGEROUS GOODS BY ROAD – US123259

PURPOSE OF THE UNIT STANDARD

The purpose of learning is to ensure safe loading, conveying and off-loading of dangerous goods according to legal and organisational requirements. Credited learners can convey dangerous goods in accordance with legal, safety, manufacturer and other relevant requirements and handle incidents safely when they occur.

Credited learners are capable of:

- Complying with relevant legal documentation requirements.
- Applying safety and standard operating procedures during loading and off-loading.
- Applying safety procedures in the event of an incident.
- Complying with the requirements of SANS 10231 in terms of behaviour on route.

LEARNING ASSUMED TO BE IN PLACE

It is assumed that learners accessing this unit standard will have demonstrated competence in:



It is assumed that learners have already attained NQF Level 2 Mathematical Literacy and Communication competence.

DEMONSTRATE BASIC UNDERSTANDING OF THE PRIMARY LABOUR LEGISLATION THAT IMPACTS ON A BUSINESS UNIT - US13952

PURPOSE OF THE UNIT STANDARD

This unit standard is intended for managers of small businesses and junior managers of business units in larger organisations. The term business unit in this unit standard implies a small business, cost centre, section or department.

Junior managers include, but are not limited to team leaders, supervisors, first line managers and section heads. The position or term is used to describe the first level of management in an organisation at which an employee has other employees reporting to him/her.

The qualifying learner is capable of:

- Identifying legislation that regulates employment issues.
- Understanding of the main aspects of the Labour Relations Act (LRA) as amended, that relate to the management of a business unit.
- Explaining the requirements of the LRA in respect of interviews.
- Understanding the main aspects applicable to labour legislation.

LEARNING ASSUMED TO BE IN PLACE

It is assumed that learners accessing this unit standard will have demonstrated competence in:

There is open access to this unit standard. Learners should be competent in Communication, Mathematical and Financial Literacy at Level 3.

APPLY PRINCIPLES, REGULATIONS AND LEGISLATION UNDERLYING SUPPLY CHAIN MANAGEMENT IN THE PUBLIC SECTOR - US119345

PURPOSE OF THE UNIT STANDARD

Learners working towards this standard will be working within a Public Sector environment, specialising in Public Finance Management and Administration, where the acquisition of competence against this standard will add value to one's job. This standard will also add value to public officials who are seeking to develop a career pathway towards becoming an accomplished public finance management and administration specialist.

The qualifying learner is capable of:

- Identifying and applying the principles of supply chain management
- Applying supply chain management policies and procedures within the public sector
- Utilising supply chain management systems and resources to fulfil the function effectively
- Securing and managing supplier contracts



LEARNING ASSUMED TO BE IN PLACE

It is assumed that learners accessing this unit standard will have demonstrated competence in:

It is assumed that the learner is competent in Communication at NQF Level 4.

MANAGE RISK IN OWN WORK ENVIRONMENT - US119265

PURPOSE OF THE UNIT STANDARD

This unit standard is a building block in the understanding of the concept of risk. As such it is a life skill. It is especially relevant for learners who work in insurance and investment related sub fields where the pooling of risk and appetite for risk are important concepts.

The qualifying learner is capable of:

- Analysing own role and the risk associated with performance at work.
- Demonstrating knowledge and understanding work procedures in the workplace and the risk of non-compliance.
- Suggesting ways of managing risk in own work situation.
- Analysing the behaviours and attitudes that constitute positive and negative risk in the workplace.

LEARNING ASSUMED TO BE IN PLACE

It is assumed that learners accessing this unit standard will have demonstrated competence in:

- Communication at NQF Level 3.
- Mathematical Literacy at NQF Level 3.
- Computer Literacy at NQF Level 3.
- Unit Standard: Manage risk in own life. NQF Level 3.

LIFT AND MOVE A LOAD USING MECHANICAL LIFTING EQUIPMENT – US244407

PURPOSE OF THE UNIT STANDARD

This unit standard will be useful to people who are required to lift and move loads not exceeding five tons.

People credited with this unit standard are able to:

- Explain the factors critical to lifting and moving loads.
- Prepare to lift and move a load.
- Lift and move a load.
- Make the load available for production purposes.

LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

The credit calculation is based on the assumption that learners are already competent in terms of the following outcomes or areas of learning when starting to learn towards this unit standard:

- The principle of operation of lifting equipment at NQF Level 2.
- Selection, examination and use of lifting equipment at NQF Level 2.
- Safe lifting and moving practices at NQF Level 2.

1. ACCREDITED TRAINING TETA 13-374

1.5 Awaiting extension of scope



FIRST AID LEVEL 3



OVERHEAD GANTRY CRANE
C31; C32

Unit standard	Level	Credits	Description
376480	3	8	First Aid Level 3
242976	2	5	Overhead gantry crane C31; C32

PROVIDE FIRST AID AS AN ADVANCED FIRST RESPONDER – US376480

PURPOSE OF THE UNIT STANDARD

This unit standard is to enable the first responder to react to emergencies at an advanced first aid level, until the arrival of more professional emergency personnel.

Qualifying learners will be capable of:

- Explaining the principles of advanced first aid in emergencies.
- Demonstrating an advanced level of preparedness to deal with sudden illness or emergency.
- Assessing and managing an emergency scene/disaster.
- Describing the anatomy and explaining the physiology of the human body systems in terms of injury or sudden illness.
- Applying primary first aid for all age groups according to accepted current first aid protocols.
- Explaining and managing shock.

NB: The certificate of competence associated with this Unit Standard will be valid for only three years to ensure the holder's continued competency through regular re-assessment.

LEARNING ASSUMED TO BE IN PLACE

It is assumed that learners accessing this unit standard will have demonstrated competence in:

- Communication at NQF Level 2.
- Mathematical literacy at NQF Level 2.
- The Unit Standards:
 - > ID 120496: Provide risk-based primary emergency care/first aid in the workplace.
 - > ID: 260597: Provide information about HIV and AIDS and treatment options in community care and support situations.



OPERATE OVERHEAD/GANTRY CRANES – US242976

PURPOSE OF THE UNIT STANDARD

The person credited with this unit standard is able to understand the functions, safety and suitability of the crane prior to utilization in the freight handling industry. Learners are also able to inspect and record the operational fitness of the components of a crane and be able to access available support systems and emergency services in case of incidents and accidents while operating a overhead/gantry crane.

The qualifying learner is capable of:

- Demonstrating knowledge of the functions of a crane.
- Identifying the safety and suitability of the crane type prior to utilisation.
- Inspecting and recording the operational fitness of the components of a crane.
- Operating an overhead crane in a safe and competent manner.
- Accessing available support systems and emergency services in case of incidents and accidents.

LEARNING ASSUMED TO BE IN PLACE

It is assumed that learners accessing this unit standard will have demonstrated competence in:

- Communication at NQF Level 1 or equivalent.
- Mathematical Literacy at NQF Level 1 or equivalent.

REMEMBER!!!

TRAINING IS THE KEY TO **SAFETY AND KNOWLEDGE**



2. ACCREDITED TRAINING CETA 8R85218

2.1 Earthmoving & Construction Machines



ARTICULATED DUMP TRUCK



EXCAVATOR



FRONT END LOADER



SKID STEER LOADER



TRACKED DOZER



GRADER



COMPACT ROLLER



WHEELED DOZER



*TRACTOR LOADER BACKHOE
(TLB)*



TRACTOR



SERVICE TRUCK



TIP TRUCK



WATER CART



RIGID BODY DUMP TRUCK



<u>Unit standard</u>	<u>Level</u>	<u>Credits</u>	<u>Description</u>
262745	2	16	Operate an articulated dump truck
262744	2	20	Operate an excavator
262747	2	12	Operate a front end loader
262712	2	16	Operate a skid steer loader
262729	2	15	Operate a tracked dozer
262735	2	15	Operate a grader
262805	2	5	Operate a compact roller
262713	2	12	Operate a wheeled dozer
262727	2	15	Operate a tractor loader backhoe
262804	2	8	Operate an agricultural tractor
262790	2	10	Operate a service truck
262734	2	8	Operate a tip truck
262764	2	6	Operate a water cart
262731	2	10	Operate a rigid dump truck



PURPOSE OF THESE UNIT STANDARDS

The qualifying learner will be able to operate an articulated dump truck by understanding the functions of starting, shutting down and operating procedures for the machine. Learners who master the applied competence described in this unit standard will contribute to the development of a professional community of Construction Plant operators.

The qualifying learner will be capable of:

- Demonstrating knowledge of the functions of earthmoving equipment.
- Planning for work activities and prepare work area.
- Starting and shutting down earthmoving equipment.
- Operating earthmoving equipment.
- Transporting articulated earthmoving equipment to and from site.

LEARNING ASSUMED TO BE IN PLACE

It is assumed that learners accessing this unit standard will have demonstrated competence in:

US262745	Communication at NQF Level 1. Mathematical Literacy at NQF Level 1.
US262744	Communication at NQF Level 1. Mathematical Literacy at NQF Level 1.
US262747	Communication at NQF Level 1. Mathematical Literacy at NQF Level 1.
US262712	Communication at NQF Level 1.
US262729	Communication at NQF Level 1. Mathematical Literacy at NQF Level 1.
US262735	Communication at NQF Level 1. Mathematical Literacy at NQF Level 1.
US262805	Communication at NQF Level 1. Mathematical literacy at NQF Level 1.
US262713	Communication at NQF Level 1. Mathematical Literacy at NQF Level 1.
US262727	Communication at NQF Level 1.
US262804	Communication at NQF Level 1. Mathematical Literacy at NQF Level 1.
US262790	Communication at NQF Level 1. Mathematical Literacy at NQF Level 1.
US262734	Communication at NQF Level 1. Mathematical Literacy at NQF Level 1.
US262764	Communication at NQF Level 1. Mathematical Literacy at NQF Level 1.
US262731	Communication at NQF Level 1. Mathematical Literacy at NQF Level 1.

2. ACCREDITED TRAINING CETA 8R85218

2.2 Skills & Safety



FIRST AID LEVEL 2



HAND & PORTABLE TOOLS



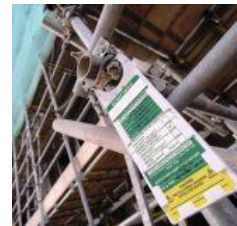
POWER TOOLS



CONFINED SPACES



SCAFFOLD ERECTORS



SCAFFOLD INSPECTORS



WORKING AT HEIGHT



***WORKING AT HEIGHT –
FALL ARREST***



FIRST AID LEVEL 2

<u>Unit standard</u>	<u>Level</u>	<u>Credits</u>	<u>Description</u>
12877	1	4	Hand & portable tools
10255	2	5	Power tools
15034	2	2	Confined spaces
263245	3	5	Erect and dismantle scaffolding
261664	3	6	Scaffold erectors - Construction
263205	4	6	Scaffold inspectors
229998	1	2	Working at height
229995	2	3	Install and perform basic rescues from fall arrest
120496	2	5	First Aid Level 2

PROVIDE RISK-BASED PRIMARY EMERGENCY CARE/FIRST AID IN THE WORKPLACE – US120496

PURPOSE OF THE UNIT STANDARD

This Unit Standard will be useful for employees to enable them to provide primary emergency care (first aid) in response to an occupational risk induced or any health emergency in their specific workplaces.

Qualifying learners are able to:

- Demonstrate the principles of primary emergency care.
- Assess and control a single injury emergency scene in the workplace.



- Demonstrate primary emergency life support for adults, children and infants.
- Explain and manage shock.
- Carry out secondary assessment of the sick or injured person and provide appropriate primary emergency care at the scene.

Keep records of the incident/accident.

LEARNING ASSUMED TO BE IN PLACE

It is assumed that learners accessing this unit standard will have demonstrated competence in:

- Communication at NQF Level 1 or ABET Level 4.
- Mathematical Literacy at NQF Level 1.

In order for the learner to achieve this unit standard the learner must already be competent in:

Unit Standard ID 14656: "Demonstrate an understanding of sexuality and sexually transmitted infections including HIV/AIDS".

SELECT, USE AND CARE FOR POWER TOOLS – US10255

PURPOSE OF THE UNIT STANDARD

This unit standard is for persons in the Electrical Engineering; Generation; Distribution; Transmission, Construction and Renewable Energy Sectors.

A person credited with this unit standard will be able to:

Select, safely use and care for range of fixed and portable power tools

This unit standard will contribute to the full development of the learner within the electrical engineering and construction environment by providing recognition, further mobility and transportability within the field of Physical Planning and Construction. The skills, knowledge and understanding demonstrated within this unit standard are essential for social and economic transformation and upliftment within the electrical engineering and construction environment.

LEARNING ASSUMED TO BE IN PLACE

It is assumed that learners accessing this unit standard will have demonstrated competence in:

- Safety procedures according to statutory and manufacturer requirements
- Induction to industry
- Basic electrical safety
- Use of hand tools

WORK IN CONFINED SPACES ON CONSTRUCTION SITES – US15034

PURPOSE OF THE UNIT STANDARD

Learners who are assessed as competent against this unit standard will be able to identify the hazard of confined spaces and the precautions required for the safety of the workers and public.

This unit standard underpins the Elective Learning.

It contributes to the development of a professional community of Construction workers. The contribution to The National Skills Development Strategy is the key development interface between learners and new competencies to be achieved.



LEARNING ASSUMED TO BE IN PLACE

It is assumed that learners accessing this unit standard will have demonstrated competence in:

- ABET Level 4 Literacy
- ABET Level 3 Numeracy

ERECT, USE AND DISMANTLE ACCESS SCAFFOLDING – US263245

PURPOSE OF THE UNIT STANDARD

The qualifying learner will acquire the knowledge and skills required by the industry to function as a scaffold erector. Their functions will include leading a scaffold team. This includes the ability to safely and efficiently deploy the required resources to erect and dismantle access scaffolding. This unit standard will serve, in conjunction with related unit standards, to develop the qualifying learner to function as a scaffold erector in an access scaffold team.

The qualifying learner will be capable of:

- Interpreting basic drawings and instructions for the erection of access scaffolding.
- Coordinating resources for the erection of access scaffolding.
- Erecting and using access scaffolding.
- Dismantling access scaffolding.

LEARNING ASSUMED TO BE IN PLACE

It is assumed that learners accessing this unit standard will have demonstrated competence in:

- Communication at NQF Level 2.
- Mathematical literacy at NQF Level 2.
- Assist to erect, use and dismantle access scaffolding at NQF Level 3.

ERECT, USE AND DISMANTLE ACCESS EQUIPMENT FOR CONSTRUCTION WORK – US261664

PURPOSE OF THE UNIT STANDARD

The skills, values and knowledge reflected in this unit standard are required by people in the field of building and civil construction. Learners should be able to perform duties in installing access equipment for construction work effectively and safely.

A person credited with this unit standard is able to:

- Erect and dismantle a system scaffold with ladder access.
- Erect and dismantle a trestle scaffold.
- Erect and dismantle an extension ladder.
- Make use of a step ladder.

LEARNING ASSUMED TO BE IN PLACE

It is assumed that learners accessing this unit standard will have demonstrated competence in:

- Communication at NQF Level 2.
- Mathematical Literacy at NQF Level 2.



INSPECT ACCESS SCAFFOLDING – US263205

PURPOSE OF THE UNIT STANDARD

The qualifying learner will acquire the necessary knowledge and skills to inspect access scaffolding for compliance with the South African National Standards (SANS) 10085. This unit standard will serve, in conjunction with related unit standards, to develop the qualifying learner to function as a scaffold inspector.

The qualifying learner will be capable of:

- Demonstrating an understanding of different types of access scaffolding, applications and compliance.
- Explaining the role and responsibilities of the inspector.
- Reading and interpreting drawings, client requirements and other specifications.
- Inspecting and handing over access scaffolding.

LEARNING ASSUMED TO BE IN PLACE

It is assumed that learners accessing this unit standard will have demonstrated competence in:

- Communication at NQF Level 3.
- Mathematical literacy at NQF Level 3.
- Erect, use and dismantle access scaffolding at NQF Level 3.

EXPLAIN AND PERFORM FALL ARREST TECHNIQUES WHEN WORKING AT HEIGHT – US229998

PURPOSE OF THE UNIT STANDARD

Learners wishing to acquire the competencies in this standard will be, people working at height where there is a risk of injury from a fall. Learners will be involved in performing tasks at height. Qualifying learners are able to follow fall arrest principles to perform work at height safely, under supervision of a qualified supervisor.

The qualifying learner is capable of:

- Explaining the use and limitations of a limited range of fall arrest equipment and fall arrest plan.
- Inspecting, assembling and storing fall arrest equipment.
- Selecting suitable anchor points.
- Using fall arrest systems with a double lanyard.
- Using pre-installed vertical and horizontal life-lines.

In order for a successful learner of this standard to be able to function in a rope access operation, the learner must:

- Be medically fit and in possession of a medical certificate, declaring the learner free from a condition that may prevent the learner from working safely as specified in the range statement. (An example of the content of the medical certificate is available in SABS 0333:2 Annex A)

LEARNING ASSUMED TO BE IN PLACE

It is assumed that learners accessing this unit standard will have demonstrated competence in:



- Communication at ABET Level 3 or equivalent.
- Mathematical Literacy at ABET Level 3 or equivalent.

INSTALL, USE AND PERFORM BASIC RESCUES FROM FALL ARREST SYSTEMS AND IMPLEMENT THE FALL PROTECTION PLAN – US229995

PURPOSE OF THE UNIT STANDARD

Learners wishing to acquire the competencies in this standard will be people working at height where there is a risk of injury from a fall. Learners will be involved in performing tasks at height. Qualifying learners are able to take responsibility for inspection and installation of fall arrest systems and for implementing fall protection plans and rescues.

The qualifying learner is capable of:

- Explaining the use of a range of fall arrest equipment and knowledge of applicable regulations.
- Explaining and using basic rope knots.
- Installing and using fall arrest systems.
- Inspecting and assembling fall arrest equipment and systems.
- Interpreting and implementing a fall protection plan.
- Performing basic fall arrest rescues to bring a casualty down to safety.

In order for a successful learner of this standard to be able to function in a rope access operation, the learner must be medically fit and in possession of a medical certificate, declaring him/her free from a condition that may prevent him/her from working safely as specified in the range statement. (An example of the content of the medical certificate is available in SABS 0333:2 Annex A).

LEARNING ASSUMED TO BE IN PLACE

It is assumed that learners accessing this unit standard will have demonstrated competence in:

- Communication at NQF Level 1 or equivalent.
- Mathematical Literacy at NQF Level 1 or equivalent.

3. ACCREDITED TRAINING merSETA

3.1 Skills & Safety



BASIC RIGGING & SLINGING

<u>Unit standard</u>	<u>Level</u>	<u>Credits</u>	<u>Description</u>
14706	2	4	Basic rigging and slinging

PERFORM BASIC RIGGING PROCEDURES – US14706

PURPOSE OF THE UNIT STANDARD

Learners accredited with this unit standard will be able to conduct basic rigging practices in accordance with legislative safety standards and job requirements. This includes the inspection, selection and use of slings and lifting tackle to safely lift, move and stack loads.

LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

The knowledge and learning related to the following:

Abet level 4 / NQF level 1 Unit standards:

SAQA Lo/06

SAQA Com/001

SAQA Com/003

SAQA Com/004

SAQA Unit Math 001

SAQA Unit math 002

SAQA Unit Math 007

SAQA Unit Math 013

Safety Health and Environmental (OHS Act) relevant to worksite procedures

4. ACCREDITED TRAINING MQA SKILLS PROGRAMME MQA/SP/0120/10



**WORKPLACE HAZARD
IDENTIFICATION AND RISK
ASSESSMENT**



**WORKPLACE HEALTH &
SAFETY REP FUNCTIONS**



**WORKPLACE BASIC HEALTH &
SAFETY PRINCIPLES**

<u>Unit standard</u>	<u>Level</u>	<u>Credits</u>	<u>Description</u>
244383	2	2	Conduct continuous hazard identification and risk assessment within a workplace
259622	2	3	Describe the functions of the workplace health and safety representative
259639	2	4	Explain basic health and safety principles in and around the workplace



CONDUCT CONTINUOUS HAZARD IDENTIFICATION AND RISK ASSESSMENT WITHIN A WORKPLACE – US244383

PURPOSE OF THE UNIT STANDARD

This unit standard will be useful for persons who are required to conduct continuous hazard identification and risk assessment within an underground working place to ensure a healthy and safe environment to work in.

People credited with this unit standard are able to:

- Explain the specified requirements pertaining to continuous hazard identification and risk assessment.
- Prepare for hazard identification.
- Identify hazards and assess risks.
- Initiate remedial and follow-up action.

The knowledge and understanding demonstrated within this unit standard contribute to social and economic transformation and the upliftment and economic growth of the mining and minerals sector by conducting continuous hazard identification and risk assessment as part of the mining process.

This unit standard is intended to promote general knowledge and understanding of persons responsible for conducting continuous hazard identification and risk assessment in the mining and minerals sector in order to ensure knowledgeable, competent and informed workers.

LEARNING ASSUMED TO BE IN PLACE

It is assumed that learners accessing this unit standard will have demonstrated competence in:

The credit calculation is based on the assumption that learners are already competent in terms of the following outcomes or areas of learning when starting to learn towards this unit standard:

- Follow basic occupational health and safety practices underground at NQF Level 1.

DESCRIBE THE FUNCTIONS OF THE WORKPLACE HEALTH AND SAFETY REPRESENTATIVE – US259622

PURPOSE OF THE UNIT STANDARD

The person credited with this unit standard is able to understand the objectives and statutory requirements pertaining to health and safety in the workplace. The learners will be able to explain the rights, powers, functions and duties of the workplace health and safety representative and how any errant health, safety and environmental issues may be handled. Learners will also be able to participate in the safety, health and environmental structures and measure these activities according to health, safety and environmental requirements.

The qualifying learner is capable of:

- Describing the framework of workplace health and safety legislation pertaining to health and safety representatives.
- Explaining the specified requirements to conduct safety, health and environmental



representation activities at a working place.

- Addressing safety, health and environment related issues within their scope of authority.
- Complying with the activities within safety, health and environmental structures.

LEARNING ASSUMED TO BE IN PLACE

It is assumed that learners accessing this unit standard will have demonstrated competence in:

- Communication at NQF Level 1 or equivalent.
- Mathematical Literacy at NQF Level 1 or equivalent.

EXPLAIN BASIC HEALTH AND SAFETY PRINCIPLES IN AND AROUND THE WORKPLACE – US259639

PURPOSE OF THE UNIT STANDARD

This unit standard is for those people giving an induction of health and safety principles to new personnel and the person credited with this unit standard is able to explain the duties of both the employees and employers with regard to Occupational Safety and Health in the workplace. Learners will be able to understand the requirements that apply to persons entering the workplace and performing any duties therein as well as the requirements for the use of Personal Protective Equipment (PPE), housekeeping and emergency procedures that apply to the workplace.

The qualifying learner is capable of:

- Explaining both employer and employee duties with regard to occupational safety and health in the workplace.
- Explaining the general safety rules in a workplace.
- Explaining the use and application of Personal Protective Equipment in a workplace.
- Explaining the need for good housekeeping in the workplace.
- Explaining and applying emergency procedures in the workplace.

LEARNING ASSUMED TO BE IN PLACE

It is assumed that learners accessing this unit standard will have demonstrated competence in:

- Communication at NQF Level 1 or equivalent.
- Mathematical Literacy at NQF Level 1 or equivalent.

5. ACCREDITED TRAINING MQA SKILLS PROGRAMME MQA/SP/0148/13



WORKPLACE BASIC HEALTH & SAFETY PRINCIPLES



WORK IN A SURFACE MINE



DOZE MATERIAL WITH RUBBER WHEEL DOZER



MOVE MATERIAL WITH TRACK DOZER



DRILL BLAST HOLES IN SURFACE MINE



DE-WATERING PUMP



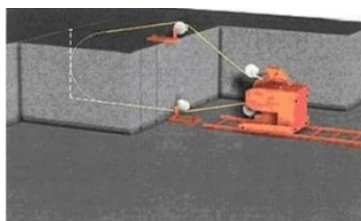
PNEUMATIC DRILL RIG AND COMPRESSOR



PERCUSSION DRILL RIG AND COMPRESSOR



MECHANISED DRILL RIG



INTERSECTING HOLES FOR DIAMOND WIRE SAWING



DOWN THE HOLE DRILLING



SMALL DIAMETER ROTARY DRILL



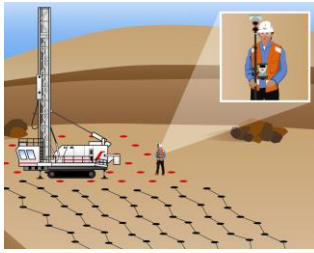
MECHANICAL CORE DRILL



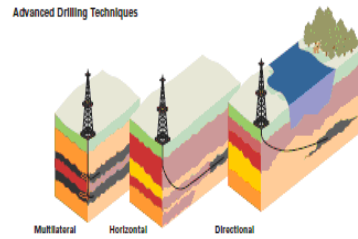
SUPERVISE BORE DRILLING



REPAIR A ROTARY DRILL



PREPARE AND MARK DRILL AREA



UNDERSTAND DRILLING TECHNIQUES



LOAD MATERIAL WITH FACE SHOVEL



LOAD MATERIAL WITH HYDRAULIC EXCAVATOR



LOAD, HAUL AND DUMP MATERIAL WITH FRONT END LOADER



RELOCATE MATERIAL WITH DRAGLINE



LOAD, HAUL AND DUMP MATERIAL WITH SCRAPER



LOAD, HAUL AND DUMP MATERIAL WITH SKID STEER



HANDLE DIMENSION STONE BLOCKS WITH FRONT END LOADER



OPERATE TRACTOR LOADER BACKHOE



HAUL AND DUMP MATERIAL WITH HAUL TRUCK



GRADE MATERIAL WITH MOTOR GRADER



BREAK ROCK WITH HYDRAULIC ROCK BREAKER



RELOCATE MACHINES WITH LOWBED



TRANSPORT EQUIPMENT WITH FLAT BACK TRUCK



**SUPPRESS DUST WITH WATER
BOWSER**



**TRANSPORT & DISTRIBUTE
EXPLOSIVES WITH HEAVY DUTY
EXPLOSIVES VEHICLE**



**ILLUMINATE AREA WITH
LIGHTING PLANT**



**DELIVER COMPRESSED AIR WITH
MOBILE ELECTRICAL
COMPRESSOR**



**TRANSPORT & DISTRIBUTE
EXPLOSIVES WITH LIGHT DUTY
EXPLOSIVES VEHICLE**



**TRANSPORT WITH LIGHT
DELIVERY VEHICLE**



BAR DOWN LOOSE ROCK



USE A FUEL BOWSER



**MIXER-PLACER EXPLOSIVES
TRUCK**



**PLACE EXPLOSIVES IN BLAST HOLE
WITH MIXER-PLACER EXPLOSIVES
TRUCK**



**MOVE CABLE USING CABLE
REELER**



**REMOVE & REPLACE OTR
WHEELS & TYRES**



OPERATE A SERVICE TRUCK



**HAND OPERATED FIRE
FIGHTING EQUIPMENT**



FIRST AID LEVEL 2



Unit standard	Level	Credits	Description
259639	2	4	Explain basic health and safety principles in and around the workplace
253025	2	8	Demonstrate knowledge and ability to work in a surface mine
257021	2	14	Doze material using a rubber wheel dozer
257038	2	14	Use a track dozer to move material
257026	3	15	Drill blast holes in a surface mining operation
257040	2	4	De-water blast holes using vehicle mounted de-watering pump
230011	2	5	Drill medium diameter blast holes using a hydraulic or pneumatic drilling rig and compressor
230020	2	5	Drill small diameter blast holes using a percussion drilling rig and compressor
116632	2	6	Drill holes for blasting and/or splitting dimension stone blocks using a mechanised drill rig
116658	2	7	Drill intersecting holes for diamond wire sawing
11671	2	6	Drill holes using Down The Hole Drill
11669	2	10	Drill holes using a Small Diameter Rotary Drill not exceeding 170 mm
12912	2	1	Operate a mechanical core drill
115643	3	11	Support drilling operations in a surface mining context
119536	3	15	Supervise the process of small bore drilling
253514	2	4	Repair a rotary drill
257059	3	3	Prepare and mark off work area for drilling
376199	4	5	Demonstrate an understanding of drilling techniques
257032	3	26	Load material using a face shovel
257076	3	26	Excavate and load material using hydraulic excavator
257031	2	16	Load, Haul and Dump material using a front end loader
256996	3	26	Relocate material using a dragline
257035	2	12	Load, haul and dump material using a scraper
257034	2	9	Load and offload material using a skid steer loader
116626	3	13	Handle dimension stone blocks by means of front end loader
257028	3	13	Operate Tractor Loader Backhoe
257024	2	11	Haul and dump material using a haul truck
257115	3	14	Grade material using a motor grader
256997	2	13	Break rock using a hydraulic rock breaker
257018	2	10	Relocate machines and equipment using a lowbed
257020	2	10	Transport material and equipment using a flat back truck
257060	2	10	Suppress dust using a water bowser
257017	2	2	Transport and distribute explosives using a heavy-duty explosives vehicle
257077	2	2	Illuminate an area using a lighting plant
256998	2	4	Deliver compressed air using a mobile electrical compressor
257015	2	2	Transport and distribute explosives by means of a light duty explosives vehicle
257025	2	4	Transport personnel, material and equipment using Light Delivery Vehicle
257041	2	4	Bar down loose rocks using appropriate equipment
257135	2	4	Transport and distribute fuel using a Fuel Bowser
230018	2	6	Operate a mixer-placer explosives truck
257019	2	6	Load, transport and place explosives components into blast holes using a mixer-placer truck
256995	2	8	Move trailing cable using cable reeler



256176	2	8	Remove and replace off-the-road (OTR) wheels and tyres
262790	2	8	Operate a service truck
13961	2	4	Demonstrate Knowledge and Use of Hand Operated Fire Fighting Equipment
120496	2	5	Provide risk-based primary emergency care/first aid in the workplace

EXPLAIN BASIC HEALTH AND SAFETY PRINCIPLES IN AND AROUND THE WORKPLACE – US259639

PURPOSE OF THE UNIT STANDARD

This unit standard is for those people giving an induction of health and safety principles to new personnel and the person credited with this unit standard is able to explain the duties of both the employees and employers with regard to Occupational Safety and Health in the workplace. Learners will be able to understand the requirements that apply to persons entering the workplace and performing any duties therein as well as the requirements for the use of Personal Protective Equipment (PPE), housekeeping and emergency procedures that apply to the workplace.

The qualifying learner is capable of:

- Explaining both employer and employee duties with regard to occupational safety and health in the workplace.
- Explaining the general safety rules in a workplace.
- Explaining the use and application of Personal Protective Equipment in a workplace.
- Explaining the need for good housekeeping in the workplace.
- Explaining and applying emergency procedures in the workplace.

LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

- Communication at NQF Level 1 or equivalent.
- Mathematical Literacy at NQF Level 1 or equivalent.

DEMONSTRATE KNOWLEDGE AND ABILITY TO WORK IN A SURFACE MINE – US 253025

PURPOSE OF THE UNIT STANDARD

This Unit Standard will be useful to people who are required to demonstrate knowledge and ability to work in a surface mine. People credited with this unit standard are able to:

- Explain the requirements of the relevant aspects of the Mine Health and Safety Act.
- Demonstrate understanding of emergency procedures.
- Demonstrate an awareness of strata control.
- Demonstrate an awareness of applicable ISO standards.

The skills, knowledge and understanding demonstrated within this unit standard are essential for social and economic transformation and contribute to the upliftment and economic growth of the mining and minerals sector.

This unit standard is intended to promote general skills and understanding of demonstrating knowledge and ability to work in surface mine in the mining and minerals sector in order to ensure knowledgeable competent and informed workers.



LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

The credit calculation is based on the assumption that learners are already competent in terms of the following:

- Communication at NQF Level 1.
- Mathematical Literacy NQF Level 1.

DOZE MATERIAL USING A RUBBER WHEEL DOZER – US257021

PURPOSE OF THE UNIT STANDARD

The skills, knowledge and understanding demonstrated within this unit standard are essential for social and economic transformation and contribute to the upliftment and economic growth of the mining and minerals sector.

This unit standard will be useful to people who are responsible for dozing material using a rubber wheel dozer.

People credited with this unit standard are able to:

- Demonstrate an understanding regarding dozing material using a rubber wheel dozer.
- Prepare to doze material.
- Doze material.
- Complete the duties pertaining to the dozing operation.

LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

The credit calculation is based on the assumption that learners are already competent in terms of the following outcomes or areas of learning when starting to learn towards this unit standard:

- Communication and Mathematical Literacy at NQF Level 1.

USE A TRACK DOZER TO MOVE MATERIAL – US257038

PURPOSE OF THE UNIT STANDARD

The skills, knowledge and understanding demonstrated within this unit standard are essential for social and economic transformation and contribute to the upliftment and economic growth of the mining and minerals sector.

This unit standard will be useful to people who are responsible for dozing material using a track dozer.

People credited with this unit standard are able to:

- Demonstrate an understanding regarding dozing material using a track dozer.
- Prepare to doze material using a track dozer.
- Doze material using a track dozer.
- Complete the duties pertaining to the dozing operation.

LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

The credit calculation is based on the assumption that learners are already competent in terms of the following:



- Communication and mathematical Literacy at NQF Level 1.

DRILL BLAST HOLES IN A SURFACE MINING OPERATION – US257026

PURPOSE OF THE UNIT STANDARD

The skills, knowledge and understanding demonstrated within this unit standard are essential for social and economic transformation and contribute to the upliftment and economic growth of the mining and minerals sector.

This unit standard will be useful to people who are responsible for drilling blast holes in a surface mining operation.

People credited with this unit standard are able to:

- Demonstrate an understanding regarding drilling blast holes in a surface mining operation.
- Prepare to drill blast holes.
- Drill blast holes.
- Complete the duties pertaining to the drilling of blast holes.

LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

The credit calculation is based on the assumption that learners are already competent in terms of the following:

- Communication and Mathematical Literacy at NQF Level 2.

DE-WATER BLAST HOLES USING VEHICLE MOUNTED DE-WATERING PUMP – US257040

PURPOSE OF THE UNIT STANDARD

The skills, knowledge and understanding demonstrated within this unit standard are essential for social and economic transformation and contribute to the upliftment and economic growth of the mining and minerals sector.

This unit standard will be useful to people who are responsible for de-watering of blast holes.

People credited with this unit standard are able to:

- Demonstrate an understanding regarding de-watering of blast holes using a vehicle mounted de-watering pump.
- Prepare to de water blast holes.
- De water blast holes using a vehicle de-watering pump.
- Complete the duties pertaining to the de-watering operation.

LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

The credit calculation is based on the assumption that learners are already competent in terms of the following:

- Communication and Mathematical Literacy at NQF Level 1.



DRILL MEDIUM DIAMETER BLAST HOLES USING A HYDRAULIC OR PNEUMATIC DRILLING RIG AND COMPRESSOR – US230011

PURPOSE OF THE UNIT STANDARD

This unit standard will be useful for persons who intend following a career in the mining and minerals sector, particularly in the domain of cement, lime, aggregates and sand.

People credited with this unit standard are able to:

- Demonstrate a basic understanding of medium diameter blasthole drilling.
- Prepare to drill medium diameter blastholes.
- Drill medium diameter blastholes.
- Finalise drilling operations.

The skills, knowledge and understanding demonstrated within this unit standard are essential for social and economic transformation and contribute to the upliftment and economic growth of the mining and minerals sector.

This unit standard is intended to promote general skills, knowledge and understanding of drilling medium diameter blast holes using a drilling rig and compressor in the mining and minerals sector in order to ensure knowledgeable and informed workers.

LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

It is assumed that learners are already competent in:

- Communication and Mathematical Literacy at NQF Level 1

DRILL SMALL DIAMETER BLAST HOLES USING A PERCUSSION DRILLING RIG AND COMPRESSOR – US230020

PURPOSE OF THE UNIT STANDARD

This unit standard will be useful for persons who intend following a career in the mining and minerals sector, particularly in the domain of cement, lime, aggregates and sand.

People credited with this unit standard are able to:

- Demonstrate a basic understanding of small diameter blasthole drilling.
- Prepare to drill small diameter blastholes.
- Drill small diameter blastholes.
- Finalise drilling operations.

The skills, knowledge and understanding demonstrated within this unit standard are essential for social and economic transformation and contribute to the upliftment and economic growth of the mining and minerals sector.

This unit standard is intended to promote general skills, knowledge and understanding of drilling small diameter blast holes using a drilling rig and compressor in the mining and minerals sector in order to ensure knowledgeable and informed workers.

LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

It is assumed that learners are already competent in:

- Communication and Mathematical Literacy at NQF Level 1.



DRILL HOLES FOR BLASTING AND/OR SPLITTING DIMENSION STONE BLOCKS USING A MECHANISED DRILL RIG – US116632

PURPOSE OF THE UNIT STANDARD

The skills, knowledge and understanding demonstrated within this unit standard are essential for social and economic transformation and contribute to the upliftment and economic growth of the mining and minerals sector.

This unit standard is intended to promote general skills, knowledge and understanding of drilling holes for blasting and/or splitting dimension stone blocks using a mechanised drill rig in the mining and minerals sector in order to ensure knowledgeable and informed workers.

People credited with this unit standard are able to:

- Demonstrate a basic understanding of drilling holes for blasting and/or splitting dimension stone blocks by means of a mechanised drill rig
- Prepare to drill holes
- Drill holes
- Finalise drilling operations

LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

The credit calculation is based on the assumption that learners are already competent in terms of the following outcomes or areas of learning when starting to learn towards this unit standard:

- Communication at NQF Level 1
- Mathematics at NQF Level 1
- Occupational Health and safety at NQF Level 1
- Working in a quarry
- Hand drilling operations

DRILL INTERSECTING HOLES FOR DIAMOND WIRE SAWING – US116658

PURPOSE OF THE UNIT STANDARD

The skills, knowledge and understanding demonstrated within this unit standard are essential for social and economic transformation and contribute to the upliftment and economic growth of the mining and minerals sector.

This unit standard is intended to promote general skills, knowledge and understanding of drilling intersecting holes for diamond wire sawing in the mining and minerals sector in order to ensure knowledgeable and informed workers.

People credited with this unit standard are able to

- Demonstrate an understanding of drilling intersecting holes
- Prepare to drill intersecting holes
- Drill intersecting holes
- Finalise and report on the drilling process

LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

The credit calculation is based on the assumption that learners are already competent in terms of the following outcomes or areas of learning when starting to learn towards this unit standard:

- Communication at NQF Level 1



- Mathematics at NQF Level 1
- Health and safety at NQF Level 1.
- Working in a quarry

DRILL HOLES USING DOWN THE HOLE DRILL – US11671

PURPOSE OF THE UNIT STANDARD

This Unit Standard will be useful to people who are responsible for drilling holes using a Down the Hole Drill. People credited with this Unit Standard are able to:

- Prepare to drill holes;
- Drill holes; and
- Monitor drilling operation.

LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

The credit calculation is based on the assumption that learners are already competent in terms of the following outcomes or areas of learning when starting to learn towards this unit standard:

- Knowledge of in-pit operation
- Knowledge of strata (identification of strata)
- An understanding of the basic principles of information technology.

DRILL HOLES USING A SMALL DIAMETER ROTARY DRILL NOT EXCEEDING 170 MM – US11669

PURPOSE OF THE UNIT STANDARD

This Unit Standard will be useful to people who are responsible for drilling holes using a Rotary Drill not exceeding 170mm. People credited with this Unit Standard are able to:

- Prepare to drill holes;
- Drill holes; and
- Monitor drilling operation.

LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

The credit calculation is based on the assumption that learners are already competent in terms of the following outcomes or areas of learning when starting to learn towards this unit standard:

- Knowledge of in-pit operation
- Knowledge of material to be loaded (identification of materials)
- An understanding of the basic principles of information technology.

OPERATE A MECHANICAL CORE DRILL – 12912

PURPOSE OF THE UNIT STANDARD

This unit standard will be useful to people who work in the construction industry. People credited with this unit standard are able to operate a mechanical core drill in a safe and cost effective manner. Previously disadvantaged persons who through recognition of prior learning will be able to be assessed against this standard and receive National recognition for their competence. This will enhance their employability and career advancement and contribute to the socio-economic transformation of the country.

LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

ABET 3 Numeracy and ABET 3 Literacy.



Identify and use protective clothing in general construction, use and maintain hand tools on a construction site, implement road side safety procedures, transport personnel, material and equipment using light delivery vehicle.

SUPPORT DRILLING OPERATIONS IN A SURFACE MINING CONTEXT – US115643

PURPOSE OF THE UNIT STANDARD

This Unit Standard will be useful to people who are responsible for the supporting of drilling operations in an open cast mine. People credited with this Unit Standard are able to:

- Conduct sampling
- Conduct cleaning of machine and equipment
- Perform basic calculations as required to undertake work activities, and
- Assist with relocation of drill rig.

The skills, knowledge and understanding demonstrated within this unit standard are essential for social and economic transformation and contribute to the upliftment and economic growth of the mining and minerals sector.

LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

The credit calculation is based on the assumption that learners are already competent in terms of the following outcomes or areas of learning when starting to learn towards this unit standard:

- Communication skills (Language at ABET Level 3)
- Knowledge of in-pit operation

SUPERVISE THE PROCESS OF SMALL BORE DRILLING – US119536

PURPOSE OF THE UNIT STANDARD

This unit standard is directed towards people who work in the geotechnical field and who are required to have a wide knowledge of the processes used for drilling small diameter holes with one or more types of equipment.

People credited with this unit standard are able to:

- Demonstrate knowledge of small bore drilling.
- Prepare to conduct a drilling application.
- Supervise the drilling process.
- Complete the drilling process.
- Explain health and safety measures required on construction sites.

LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

It is assumed that learners are already competent in:

- Communication and Mathematical Literacy at NQF Level 2.

REPAIR A ROTARY DRILL – US253514

PURPOSE OF THE UNIT STANDARD

This unit standard will be useful to people who are required to repair a rotary drill.



People credited with this unit standard are able to:

- Explain the factors critical to repairing a rotary drill.
- Prepare to repair a rotary drill.
- Repair a rotary drill.
- Test the rotary drill, and prepare for operation and/or production.

The skills, knowledge and understanding demonstrated within this unit standard are essential for social and economic transformation and contribute to upliftment and economic growth.

This unit standard is intended to promote general skills, knowledge and understanding of how to repair a rotary drill in the mining and minerals sector in order to ensure knowledgeable and informed workers.

LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

The credit calculation is based on the assumption that learners are already competent in terms of the following outcomes or areas of learning when starting to learn towards this unit standard:

- Lift and move loads.
- Use relevant tools.
- Use relevant measuring instruments.
- Use Oxy-acetylene equipment.
- Use hand tools.

PREPARE AND MARK OFF WORK AREA FOR DRILLING – US257059

PURPOSE OF THE UNIT STANDARD

The skills, knowledge and understanding demonstrated within this unit standard are essential for social and economic transformation and contribute to the upliftment and economic growth of the mining and minerals sector.

This unit standard will be useful to people who are responsible for marking off a work area for drilling.

People credited with this unit standard are able to:

- Demonstrate knowledge and understanding regarding marking off a work area for drilling.
- Prepare to mark off drill holes.
- Marking off drill holes.
- Complete the duties pertaining to the marking off of drill holes.

LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

The credit calculation is based on the assumption that learners are already competent in terms of the following:

- Communication and Mathematical Literacy at NQF Level 2.



DEMONSTRATE AN UNDERSTANDING OF DRILLING TECHNIQUES – 376199

PURPOSE OF THE UNIT STANDARD

Learners credited with this unit standard are able to:

- Demonstrate an understanding of the history and range of drilling.
- Demonstrate an understanding of common drilling equipment.
- Demonstrate an understanding of drilling procedures.
- Demonstrate an understanding of the purpose of drilling operations.

LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

It is assumed that learners are already competent in the following:

- Communication and Mathematical Literacy at NQF Level 3.

LOAD MATERIAL USING A FACE SHOVEL – US257032

PURPOSE OF THE UNIT STANDARD

The skills, knowledge and understanding demonstrated within this unit standard are essential for social and economic transformation and contribute to the upliftment and economic growth of the mining and minerals sector.

This unit standard will be useful to people who are responsible for loading material using a face shovel.

People credited with this unit standard are able to:

- Demonstrate an understanding regarding loading material using a face shovel.
- Prepare to load material.
- Load material.
- Complete the duties pertaining to the loading operation.

LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

The credit calculation is based on the assumption that learners are already competent in terms of the following:

- Communication and Mathematical Literacy at NQF Level 2.

EXCAVATE AND LOAD MATERIAL USING HYDRAULIC EXCAVATOR – US257076

PURPOSE OF THE UNIT STANDARD

The skills, knowledge and understanding demonstrated within this unit standard are essential for social and economic transformation and contribute to the upliftment and economic growth of the mining and minerals sector.

This unit standard will be useful to people who are responsible for excavating and loading material using a hydraulic excavator.

People credited with this unit standard are able to:

- Demonstrate an understanding regarding the excavation and loading of material using a



hydraulic excavator.

- Prepare to excavate and load material.
- Excavate and load material.
- Complete the duties pertaining to the excavating and loading operation.

LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

The credit calculation is based on the assumption that learners are already competent in terms of the following:

- Communication and Mathematical Literacy at NQF Level 2.

LOAD, HAUL AND DUMP MATERIAL USING A FRONT END LOADER – 257031

PURPOSE OF THE UNIT STANDARD

The skills, knowledge and understanding demonstrated within this unit standard are essential for social and economic transformation and contribute to the upliftment and economic growth of the mining and minerals sector.

This unit standard will be useful to people who are responsible to load, haul and dump materials by means of a front end loader.

People credited with this unit standard are able to:

- Demonstrate an understanding regarding loading and offload material using a front end loader.
- Prepare to load, haul and dump material using a front end loader.
- Load, haul and dump material using a front end loader.
- Complete the duties pertaining to the loading, hauling and dumping operation.

LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

The credit calculation is based on the assumption that learners are already competent in terms of:

- Communication and Mathematical Literacy at NQF Level 1.

RELOCATE MATERIAL USING A DRAGLINE – US257035

PURPOSE OF THE UNIT STANDARD

The skills, knowledge and understanding demonstrated within this unit standard are essential for social and economic transformation and contribute to the upliftment and economic growth of the mining and minerals sector.

This unit standard will be useful to people who are responsible for relocate material using a dragline.

People credited with this unit standard are able to:

- Demonstrate an understanding regarding to relocate material using a dragline.
- Prepare to relocate material.
- Relocate material.
- Complete the duties pertaining to relocation of material operations.



LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

The credit calculation is based on the assumption that learners are already competent in terms of the following:

- Communication and Mathematical Literacy at NQF Level 2.

LOAD, HAUL AND DUMP MATERIAL USING A SCRAPER – US257035

PURPOSE OF THE UNIT STANDARD

The skills, knowledge and understanding demonstrated within this unit standard are essential for social and economic transformation and contribute to the upliftment and economic growth of the mining and minerals sector.

This unit standard will be useful to people who are responsible for load, haul and dump material using a scraper.

People credited with this unit standard are able to:

- Demonstrate an understanding regarding load, haul and dump material using a scraper.
- Prepare to load, haul and dump material using a scraper.
- Load, haul and dump material using a scraper.
- Complete the duties pertaining to the load, haul and dump operation using a scraper.

LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

The credit calculation is based on the assumption that learners are already competent in terms of the following:

- Communication and Mathematical Literacy at NQF Level 1.

LOAD AND OFFLOAD MATERIAL USING A SKID STEER LOADER – US257034

PURPOSE OF THE UNIT STANDARD

The skills, knowledge and understanding demonstrated within this unit standard are essential for social and economic transformation and contribute to the upliftment and economic growth of the mining and minerals sector.

This unit standard will be useful to people who are responsible to load and offload materials by means of a skid steer loader.

People credited with this unit standard are able to:

- Demonstrate an understanding regarding loading and offload material using a skid steer loader.
- Prepare to load and offload material using a skid steer loader.
- Load and offload material using a skid steer loader.
- Complete the duties pertaining to the loading and offloading operation.

LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

The credit calculation is based on the assumption that learners are already competent in terms of:



- Communication and Mathematical Literacy at NQF Level 1.

HANDLE DIMENSION STONE BLOCKS BY MEANS OF FRONT END LOADER – US116626

PURPOSE OF THE UNIT STANDARD

The skills, knowledge and understanding demonstrated within this unit standard are essential for social and economic transformation and contribute to the upliftment and economic growth of the mining and minerals sector.

This unit standard is intended to promote general skills, knowledge and understanding of handling dimension stone blocks by means of front end loader in the mining and minerals sector in order to ensure knowledgeable and informed workers.

People credited with this unit standard are able to:

- Demonstrate a basic understanding of handling dimension stone blocks by means of front end loader
- Load and move quarrying equipment
- Extract and handle dimension stone blocks
- Load finished blocks onto trucks

LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

The credit calculation is based on the assumption that learners are already competent in terms of the following outcomes or areas of learning when starting to learn towards this unit standard:

- Communication at NQF Level 2
- Mathematics at NQF Level 1
- Occupational Health and safety at NQF Level 2
- Work in a dimension stone quarry
- Operate front end loader

OPERATE TRACTOR LOADER BACKHOE – US257028

PURPOSE OF THE UNIT STANDARD

This unit standard will be useful to people who are responsible for operating the Tractor Loader Backhoe.

People credited with this unit standard are able to:

- Demonstrate an understanding regarding operating the Tractor Loader Backhoe.
- Prepare to operate the Tractor Loader Backhoe.
- Operate the Tractor Loader Backhoe.
- Complete the duties pertaining to the operation of the Tractor Loader Backhoe.

The skills, knowledge and understanding demonstrated within this unit standard are essential for social and economic transformation and contribute to the upliftment and economic growth of the mining and minerals sector.

This unit standard is intended to promote general skills and understanding of operating Tractor Loader Backhoe in the mining and minerals sector in order to ensure knowledgeable; competent and informed workers.



LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

The credit calculation is based on the assumption that learners are already competent in terms of the following:

- Communication and Mathematical Literacy at NQF Level 2.

HAUL AND DUMP MATERIAL USING A HAUL TRUCK – US257024

PURPOSE OF THE UNIT STANDARD

The skills, knowledge and understanding demonstrated within this unit standard are essential for social and economic transformation and contribute to the upliftment and economic growth of the mining and minerals sector.

This unit standard will be useful to people who are responsible for hauling and dumping material using a haul truck.

People credited with this unit standard are able to:

- Demonstrate an understanding regarding hauling and dumping material using a haul truck.
- Prepare to haul and dump material.
- Haul and dump material.
- Complete the duties pertaining to the hauling and dumping operation.

LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

The credit calculation is based on the assumption that learners are already competent in terms of the following:

- Communication and Mathematical Literacy at NQF Level 1.

GRADE MATERIAL USING A MOTOR GRADER – US257115

PURPOSE OF THE UNIT STANDARD

The skills, knowledge and understanding demonstrated within this unit standard are essential for social and economic transformation and contribute to the upliftment and economic growth of the mining and minerals sector.

This unit standard will be useful to people who are responsible for grading material using a Motor Grader.

People credited with this unit standard are able to:

- Demonstrate an understanding regarding grading material using a Motor Grader.
- Prepare to grade material.
- Grade material.
- Complete the duties pertaining to the grading operation.

LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

The credit calculation is based on the assumption that learners are already competent in terms of the following:



- Communication and Mathematical Literacy at NQF Level 2.

BREAK ROCK USING A HYDRAULIC ROCK BREAKER – US256997

PURPOSE OF THE UNIT STANDARD

This unit standard will be useful to people who are responsible for breaking rock using a hydraulic rock breaker.

People credited with this unit standard are able to:

- Demonstrate an understanding of rockbreaking using a hydraulic rock breaker.
- Prepare to break rock using a hydraulic rock breaker.
- Break rock using a hydraulic rock breaker.
- Complete the duties pertaining to the rock breaking operations.

The skills, knowledge and understanding demonstrated within this unit standard are essential for social and economic transformation and contribute to the upliftment and economic growth of the mining and minerals sector.

This unit standard is intended to promote general skills and understanding of breaking rock using a hydraulic rock breaker in the mining and minerals sector in order to ensure knowledgeable; competent and informed workers.

LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

The credit calculation is based on the assumption that learners are already competent in terms of the following:

- Communication and Mathematical Literacy NQF Level 1.

RELOCATE MACHINES AND EQUIPMENT USING A LOWBED – US257018

PURPOSE OF THE UNIT STANDARD

This unit standard will be useful to people who are responsible for relocating machines with a lowbed.

People credited with this unit standard are able to:

- Demonstrate an understanding regarding machines with a lowbed.
- Prepare to relocate machines.
- Relocate machines.
- Complete the duties pertaining relocating machines.

The skills, knowledge and understanding demonstrated within this unit standard are essential for social and economic transformation and contribute to the upliftment and economic growth of the mining and minerals sector.

This unit standard is intended to promote general skills and understanding of relocating machines and equipment using a lowbed in the mining and minerals sector in order to ensure knowledgeable; competent and informed workers.



LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

The credit calculation is based on the assumption that learners are already competent in terms of the following:

- Communication and Mathematical Literacy at NQF Level 1.

TRANSPORT MATERIAL AND EQUIPMENT USING A FLAT BACK TRUCK – US257020

PURPOSE OF THE UNIT STANDARD

This unit standard will be useful to people who are responsible for transporting material using a flat back truck. People credited with this unit standard are able to:

- Demonstrate an understanding regarding transporting material using a flat back truck.
- Prepare to transport material using a flat back truck.
- Transport material and equipment using a flat back truck.
- Complete the duties pertaining to the transport operations.

The skills, knowledge and understanding demonstrated within this unit standard are essential for social and economic transformation and contribute to the upliftment and economic growth of the mining and minerals sector.

This unit standard is intended to promote general skills and understanding of transporting material and equipment using a flat back truck in the mining and minerals sector in order to ensure knowledgeable; competent and informed workers.

LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

The credit calculation is based on the assumption that learners are already competent in terms of the following:

- Communication and Mathematical Literacy NQF Level 1.

SUPPRESS DUST USING A WATER BOWSER – US257060

PURPOSE OF THE UNIT STANDARD

This unit standard will be useful to people who are responsible for suppressing dust using a water bowser. People credited with this unit standard are able to:

- Demonstrate an understanding regarding suppressing dust using a water bowser.
- Prepare to suppressing dust using a water bowser.
- Suppress dust using a water bowser.
- Complete the duties pertaining to the dust suppressing operations.

The skills, knowledge and understanding demonstrated within this unit standard are essential for social and economic transformation and contribute to the upliftment and economic growth of the mining and minerals sector.

This unit standard is intended to promote general skills and understanding of suppressing dust using a water bowser in the mining and minerals sector in order to ensure knowledgeable; competent and informed workers.



LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

The credit calculation is based on the assumption that learners are already competent in terms of the following:

- Communication and Mathematical Literacy at NQF Level 1.

TRANSPORT AND DISTRIBUTE EXPLOSIVES USING A HEAVY-DUTY EXPLOSIVES VEHICLE – US257017

PURPOSE OF THE UNIT STANDARD

The skills, knowledge and understanding demonstrated within this unit standard are essential for social and economic transformation and contribute to the upliftment and economic growth of the mining and minerals sector.

This unit standard will be useful to people who are responsible for transporting and distribution of explosives.

People credited with this unit standard are able to:

- Demonstrate an understanding regarding transporting and distribution of explosives using a heavy duty explosives vehicle.
- Prepare to transport and distribute explosives.
- Transport and distribute explosives.
- Complete the duties pertaining to the transportation and distribution of explosives operation.

LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

The credit calculation is based on the assumption that learners are already competent in terms of the following:

- Communication and Mathematical Literacy at NQF Level 1.

ILLUMINATE AN AREA USING A LIGHTING PLANT – US257077

PURPOSE OF THE UNIT STANDARD

The skills, knowledge and understanding demonstrated within this unit standard are essential for social and economic transformation and contribute to the upliftment and economic growth of the mining and minerals sector.

This unit standard will be useful to people who are responsible for illuminating an area using a lighting plant.

People credited with this unit standard are able to:

- Demonstrate an understanding regarding illuminating an area using a lighting plant.
- Prepare to illuminate an area.
- Illuminate an area using a lighting plant.
- Complete the duties pertaining to illumination.

LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

The credit calculation is based on the assumption that learners are already competent in terms of



the following:

- Communication and Mathematical Literacy at NQF Level 1.

DELIVER COMPRESSED AIR USING A MOBILE ELECTRICAL COMPRESSOR – US256998

PURPOSE OF THE UNIT STANDARD

The skills, knowledge and understanding demonstrated within this unit standard are essential for social and economic transformation and contribute to the upliftment and economic growth of the mining and minerals sector.

This unit standard will be useful to people who are responsible for the delivering of compressed air using a mobile electrical compressor.

People credited with this unit standard are able to:

- Demonstrate an understanding regarding for the delivering of compressed air using a mobile electrical compressor.
- Prepare to deliver compressed air.
- Monitor mobile compressor operation.
- Complete the duties pertaining the delivering of compressed air.

LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

The credit calculation is based on the assumption that learners are already competent in terms of the following:

- Communication and Mathematical Literacy at NQF Level 1.

TRANSPORT AND DISTRIBUTE EXPLOSIVES BY MEANS OF A LIGHT DUTY EXPLOSIVES VEHICLE – US257015

PURPOSE OF THE UNIT STANDARD

The skills, knowledge and understanding demonstrated within this unit standard are essential for social and economic transformation and contribute to the upliftment and economic growth of the mining and minerals sector.

This unit standard will be useful to people who are responsible for transporting and distribution of explosives.

People credited with this unit standard are able to:

- Demonstrate an understanding regarding transporting and distribution of explosives.
- Prepare to transport and distribute explosives.
- Transport and distribute explosives.
- Complete the duties pertaining to the transportation and distribution of explosives operation.

LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

The credit calculation is based on the assumption that learners are already competent in terms of the following:



- Communication and Mathematical Literacy at NQF Level 1.

TRANSPORT PERSONNEL, MATERIAL AND EQUIPMENT USING LIGHT DELIVERY VEHICLE – US257025

PURPOSE OF THE UNIT STANDARD

The skills, knowledge and understanding demonstrated within this unit standard are essential for social and economic transformation and contribute to the upliftment and economic growth of the mining and minerals sector.

This unit standard will be useful to people who are responsible for transporting of personnel, material and equipment.

People credited with this unit standard are able to:

- Demonstrate an understanding regarding transporting of personnel, material and equipment.
- Prepare to transport personnel, material and equipment.
- Transport personnel, material and equipment.
- Monitor the duties pertaining to the transportation of personnel, material and equipment.

LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

The credit calculation is based on the assumption that learners are already competent in terms of the following:

- Communication skills and Mathematical Literacy at NQF Level 1.

BAR DOWN LOOSE ROCKS USING APPROPRIATE EQUIPMENT – US257041

PURPOSE OF THE UNIT STANDARD

This unit standard will be useful to people who are responsible for barring down loose rocks using appropriate equipment.

People credited with this unit standard are able to:

- Demonstrate an understanding regarding barring down loose rocks using appropriate equipment.
- Prepare to bar down loose rocks.
- Bar down loose rocks.
- Monitor barring operations.

The skills, knowledge and understanding demonstrated within this unit standard are essential for social and economic transformation and contribute to the upliftment and economic growth of the mining and minerals sector.

This unit standard is intended to promote general skills and understanding of barring down loose rocks using appropriate equipment in the mining and minerals sector in order to ensure knowledgeable; competent and informed workers.

LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

The credit calculation is based on the assumption that learners are already competent in terms of



the following:

- Communication and Mathematical Literacy at NQF Level 2.

TRANSPORT AND DISTRIBUTE FUEL USING A FUEL BOWSER – US257135

PURPOSE OF THE UNIT STANDARD

The skills, knowledge and understanding demonstrated within this unit standard are essential for social and economic transformation and contribute to the upliftment and economic growth of the mining and minerals sector.

This unit standard will be useful to people who are responsible for transporting fuel.

People credited with this unit standard are able to:

- Demonstrate an understanding regarding transporting and distribute fuel.
- Prepare to transport and distribute fuel.
- Transport and distribute fuel.
- Monitor the duties pertaining to the distribution and transportation of fuel.

LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

The credit calculation is based on the assumption that learners are already competent in terms of the following:

- Communication and Mathematical Literacy at NQF Level 1.

OPERATE A MIXER-PLACER EXPLOSIVES TRUCK – US230018

PURPOSE OF THE UNIT STANDARD

This unit standard will be useful for persons who intend following a career in the mining and minerals sector, particularly in the domain of cement, lime, aggregates and sand.

People credited with this unit standard are able to:

- Demonstrate understanding with regards to operating a mixer-placer explosives truck.
- Prepare to operate a mixer-placer explosives truck.
- Place explosives into blastholes by means of mixer-placer explosives truck.
- Finalise operating a mixer-placer explosives truck.

The skills, knowledge and understanding demonstrated within this unit standard are essential for social and economic transformation and contribute to the upliftment and economic growth of the mining and minerals sector.

This unit standard is intended to promote general skills, knowledge and understanding of operating a mixer placer explosives truck in the mining and minerals sector in order to ensure knowledgeable and informed workers.

LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

It is assumed that learners are already competent in:

- Communication and Mathematical Literacy at NQF Level 1.



LOAD, TRANSPORT AND PLACE EXPLOSIVES COMPONENTS INTO BLAST HOLES USING A MIXER-PLACER TRUCK – US257019

PURPOSE OF THE UNIT STANDARD

The skills, knowledge and understanding demonstrated within this unit standard are essential for social and economic transformation and contribute to the upliftment and economic growth of the mining and minerals sector.

This unit standard will be useful to people who are responsible for load, transport and place explosives components into blast holes using a mixer-placer truck

People credited with this unit standard are able to:

- Demonstrate an understanding regarding load, transport and place explosives components into blast holes using a mixer-placer truck.
- Prepare to load, transport and place explosives components into blast holes using a mixer-placer truck.
- Load, transport and place explosives components into blast holes using a mixer-placer truck.
- Complete the duties pertaining to the load, transport and place explosives components into blast holes using a mixer-placer truck operation.

LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

The credit calculation is based on the assumption that learners are already competent in terms of the following:

- Communication and Mathematical Literacy at NQF Level 1.

MOVE TRAILING CABLE USING CABLE REELER – US256995

PURPOSE OF THE UNIT STANDARD

This unit standard will be useful to people who are responsible for trailing cables using a Cable Reeler.

People credited with this unit standard are able to:

- Demonstrate an understanding regarding trailing cables using a Cable Reeler.
- Prepare to move trailing cables.
- Move trailing cables.
- Complete the duties pertaining to moving trailing cable operations.

The skills, knowledge and understanding demonstrated within this unit standard are essential for social and economic transformation and contribute to the upliftment and economic growth of the mining and minerals sector.

This unit standard is intended to promote general skills and understanding of moving trailing cable using Cable Reeler in the mining and minerals sector in order to ensure knowledgeable; competent and informed workers.

LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING



The credit calculation is based on the assumption that learners are already competent in terms of the following:

- Communication and Mathematical Literacy at NQF Level 1.

REMOVE AND REPLACE OFF-THE-ROAD (OTR) WHEELS AND TYRES – US256176

PURPOSE OF THE UNIT STANDARD

This unit standard reflects the skills, knowledge and values required to remove and replace off-the-road (OTR) wheels and tyres. Learners credited with this unit standard are able to:

- Remove wheels from OTR machines/equipment and tyres from wheels.
- Refit tyres to wheels and wheels to OTR machines/equipment.
- Apply knowledge of maintenance requirements for OTR tyres.

LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

The following competencies are assumed:

- Communication, NQF Level 1.
- Mathematical Literacy, NQF Level 1.

OPERATE A SERVICE TRUCK – US262790

PURPOSE OF THE UNIT STANDARD

The qualifying learner will be able to operate a service truck by understanding the functions of starting, shutting down and operating procedures for the machine. Learners who master the applied competence described in this unit standard will contribute to the development of a professional community of Construction Plant operators.

The qualifying learner will be capable of:

- Demonstrating knowledge of the functions of a service truck.
- Planning for work activities and prepare work area.
- Starting and shutting down service truck.
- Operating service truck.
- Transporting service truck to and from site.

LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

It is recommended that learners entering into a study of this unit standard will prove competence in the following to enable the achievement of this unit standard:

- Communication at NQF Level 1.
- Mathematical literacy at NQF Level 1.

DEMONSTRATE KNOWLEDGE AND USE OF HAND OPERATED FIRE FIGHTING EQUIPMENT – US13961

PURPOSE OF THE UNIT STANDARD

Persons credited with this unit standard are able to practically demonstrate knowledge of fire and repellents, knowledge of the application, construction and operation of hand operated fire fighting



equipment.

LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

- Knowledge of the specific use of the various types of fire equipment.
- Knowledge of characteristics of fire.

PROVIDE RISK-BASED PRIMARY EMERGENCY CARE/FIRST AID IN THE WORKPLACE – US120496

PURPOSE OF THE UNIT STANDARD

This Unit Standard will be useful for employees to enable them to provide primary emergency care (first aid) in response to an occupational risk induced or any health emergency in their specific workplaces.

Qualifying learners are able to:

- Demonstrate the principles of primary emergency care.
- Assess and control a single injury emergency scene in the workplace.
- Demonstrate primary emergency life support for adults, children and infants.
- Explain and manage shock.
- Carry out secondary assessment of the sick or injured person and provide appropriate primary emergency care at the scene.
- Keep records of the incident/accident.

LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

- Communication at NQF Level 1 or ABET Level 4.
- Mathematical Literacy at NQF Level 1.

In order for the learner to achieve this unit standard the learner must already be competent in:

- Unit Standard ID 14656: "Demonstrate an understanding of sexuality and sexually transmitted infections including HIV/AIDS".

6. SITE SPECIFIC TRAINING



ABRASIVE & CUT-OFF MACHINES



ANGLE GRINDER



OPERATE ON-OFF ROAD 4X4



ARC WELDING



BENCH GRINDER



CO² GAS WELDING



INCIDENT ACCIDENT
INVESTIGATION



CONDUCT OUTCOMES BASED
ASSESSMENTS



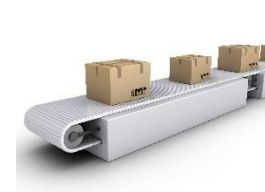
WORKPLACE SAFETY
INSPECTIONS



HAZCHEM



HIRA



CONVEYOR BELT CLEANING



DEMONSTRATE & UNDERSTAND
HIV/AIDS



LEGAL LIABILITY



DIE TOOL (BLACKSMITH HAMMER)



ELECTRICAL HOIST SAFETY



HEALTH & SAFETY WITH PPE



FALL PROTECTION INSPECTION
GUIDE



FIRE TEAMS



FLASH BUTT WELDER



GAS WELDING & CUTTING TORCH



GENERATOR SAFETY



HAND & PORTABLE TOOLS SAFETY



HANDLING OF DANGEROUS GOODS



HIGH PRESSURE STEAM WASHER



HIV/AIDS AWARENESS



HYDRAULIC TORQUE WRENCH



IMPACT WRENCH SAFETY



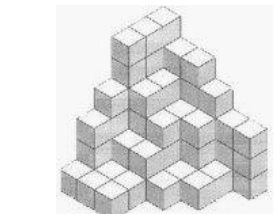
JACKHAMMER SAFETY



K53 DRIVING PRINCIPLES



LADDERS



PACKING AND STACKING



PANMIXER



PIPE CUTTER & BEARING HEATER



PLASMA CUTTER



PRINCIPLES OF FIRE FIGHTING



FIRST AID LEVEL 3



ROCK DRILL



ROLL BACK TOW TRUCK



SAFETY HARNESS AWARENESS



SLURRY PUMP



TRAFFIC MANAGEMENT



DEMONSTRATE AN UNDERSTANDING OF ENTREPRENEURSHIP AND DEVELOP ENTREPRENEURIAL QUALITIES



BASIC PLUMBING



SAFE LIFTING PRACTICES



SCAFFOLDING AWARENESS



SPOTTER TRAINING



UTILITY VEHICLE



BASIC WELDING



SAFE OPERATING PROCEDURES



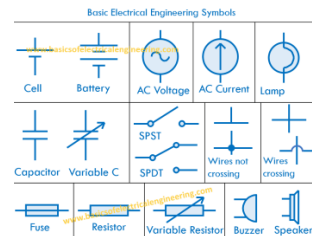
SKIP LOADER



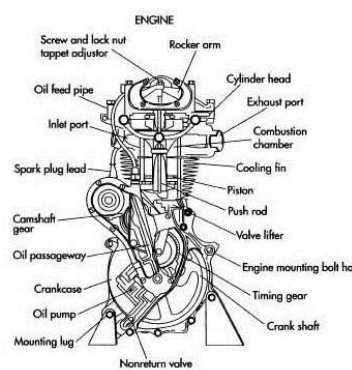
TEAM LEADER



WORKPLACE SAFETY LEGISLATION



BASIC ELECTRICAL



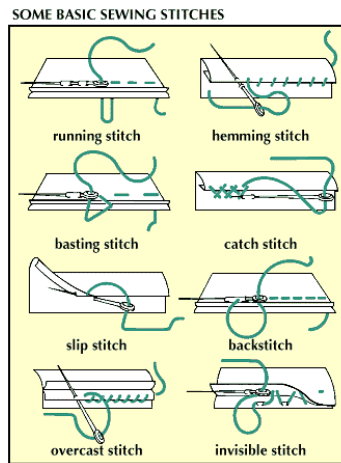
BASIC MOTOR MECHANICAL



BASIC BRICKLAYING



BASIC UPHOLSTERY



*BASIC SEWING AND GARMENT
MAKING*



BASIC TILING



8. NATIONAL QUALIFICATION FRAMEWORK - NQF LEVELS

GFEB General and Further Education Band

1. NQF level 1 - Grade 9
2. NQF level 2 - Grade 10 and National (vocational) Certificates level 2

GFETQF General and Further Education and Training Qualification Framework and OQF Occupational Qualification Framework

3. NQF level 3 - Grade 11 and National (vocational) Certificates level 3
4. NQF level 4 - Grade 12 (National Senior Certificate) and National (vocational) Certificates level 4
5. NQF level 5 - Higher Certificates and Advanced National (vocational) Certificates
6. NQF level 6 - National Diploma and Advanced Certificates



9. EXTRACT – NATIONAL CODE OF PRACTISE FOR LIFTING MACHINERY (Government gazette 38904 dated 24 June 2015)

Operators without a valid certificate / carry card shall not operate the relevant lifting machine / equipment in the working or operating environment.

- Operators of immovable machines (area specific) may be trained / assessed in the working or operating environment only under the direct and constant supervision of a facilitator / assessor and the work area is safe and safeguarded.
- Should the operator not meet the prescribed unit standard competency further training must be arranged for the learner to achieve the particular outcome/s.

8.3 Operators with previous certification (re-certification) -

- a. Operators previously certified under the Driven Machinery Regulations whose certificates have expired or are due to expire, shall be subject to re-certification. The re-certification shall comprise a minimum of 4 hours theoretical instruction with special focus on safety and 1 hour practical training and assessment under a ratio of 1:1 assessor supervisor
- b. The ratio of learners to facilitators shall not exceed 12:1 for theory training and
- c. The ratio of learners to demonstration / practical training per machine shall also not exceed 4:1 and all operators training must be subject to direct facilitator supervision.
- d. Upgrades on codes for learners / operators shall be regarded as re-certification provided that the upgrade will be of a same type of lifting machine i.e. code F1 to code F3, code F5 to F14, C33 to C36
- e. In the event where the operator's carry card has expired for more than 90 days, the learner / operator has to undergo novice training

9. Entrance qualification conditions

- a. All learners of whatever status must be physically capable of performing without difficulty the tasks involved in operating the lifting machine / equipment for which they are to receive training or are at least 18 years of age.
- b. Before commencing training or re-certification training, every learner shall provide the accredited training provider with the following: (14 Nr.38904 Government gazette 24 June 2015)
 - i. A declaration or certificate from the employer confirming the medical fitness of the learner to undergo the intended training
 - ii. An eye test result issued by a person trained to carry out such tests, confirming that the learner has adequate day and night vision, and depth perception (e.g. Purdue University Standard vision test Nr. 3): provided that a valid professional driver's permit can also be accepted in lieu of the eye test results; and
 - iii. Shall wear the required personal protective equipment as prescribed by the employer under the General Safety Regulation 2 of the Occupational Health and Safety act

9.3 All new entrants intended under this code will be required to hold at least a General Education and training certificate, grade 7 and must be at least 18 years of age.

A. Additional Entrance Qualifications for mobile jib cranes and tower cranes

1. An appropriate driver's licence for the particular vehicle
2. Shall be wearing protective footwear (steel toe-capped) and
3. As from the final approval date of the Code of Practice. all new entrants intended under these categories shall hold a General Education and Training Certificate Grade 10 (Std 8), or national Qualifications Framework level 2 (maths and English) or equivalent



4. Conditions 1. and 2. do not apply to wall / pillar mounted jib cranes

NOTES

- Operators without a valid certificate shall not operate the relevant lifting machine / equipment in the working or operating environment.
- Operators of immovable machines (area specific) may be trained / assessed in the working or operating environment only under the direct and constant supervision of a facilitator / assessor and the work area is safe and safeguarded.
- Should the operator not meet the prescribed Unit Standard competency, further training must be arranged for the learner to achieve the particular outcome/s.

10. EXTRACT - CONSTRUCTION REGULATIONS

"Competent person"

means any person having the knowledge, training, experience and qualifications specific to the work or task being performed provided that where appropriate qualifications and training are registered in terms of the provisions of the **South African Qualifications Authority Act, 1995 (Act No. 58 of 1995)**, these qualifications and training shall be deemed to be the required qualifications and training;

11. STANDARD PPE REQUIREMENTS

Overall (Varies from site to site or factory)	
Reflective vest (Varies from site to site or factory)	
Hard hat	
Safety gloves	
Safety glasses	
Ear plugs (depends on noise level)	
Safety boots/shoes – (Varies from site to site or factory)	