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**SOUTH AFRICAN QUALIFICATIONS AUTHORITY
REGISTERED UNIT STANDARD:**

Measure, estimate & calculate physical quantities & explore, critique & prove geometrical relationships in 2 and 3 dimensional space in the life and workplace of adult with increasing responsibilities

SAQA US ID	UNIT STANDARD TITLE			
12417	Measure, estimate & calculate physical quantities & explore, critique & prove geometrical relationships in 2 and 3 dimensional space in the life and workplace of adult with increasing responsibilities			
ORIGINATOR		ORIGINATING PROVIDER		
SGB Math Literacy, Math, Math Sciences L 2 -4				
QUALITY ASSURING BODY				
-				
FIELD			SUBFIELD	
Field 10 - Physical, Mathematical, Computer and Life Sciences			Mathematical Sciences	
ABET BAND	UNIT STANDARD TYPE	OLD NQF LEVEL	NEW NQF LEVEL	CREDITS
Undefined	Regular-Fundamental	Level 4	NQF Level 04	4
REGISTRATION STATUS		REGISTRATION START DATE	REGISTRATION END DATE	SAQA DECISION NUMBER
Reregistered		2009-12-03	2012-06-30	SAQA 0480/09
LAST DATE FOR ENROLMENT		LAST DATE FOR ACHIEVEMENT		
2013-06-30		2016-06-30		

In all of the tables in this document, both the old and the new NQF Levels are shown. In the text (purpose statements, qualification rules, etc), any reference to NQF Levels are to the old levels unless specifically stated otherwise.

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

PURPOSE OF THE UNIT STANDARD

This unit standard is designed to provide credits towards the mathematical literacy requirements of the NQF at level 4. The essential purposes of the mathematical literacy requirements are that, as the learner progresses with confidence through the levels, the learner will grow in:

- An insightful use of mathematics in the management of the needs of everyday living to become a self-managing person.
- An understanding of mathematical applications that provides insight into the learner's present and future occupational experiences and so develop into a contributing worker.
- The ability to voice a critical sensitivity to the role of mathematics in a democratic society and so become a participating citizen.

People credited with this unit standard are able to:

- Measure, estimate, and calculate physical quantities in practical situations relevant to the adult with increasing responsibilities in life or the workplace.
- Explore analyse and critique, describe and represent, interpret and justify geometrical relationships and conjectures to solve problems in two and three-dimensional geometrical situations.

LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

The credit value is based on the assumption that people starting to learn towards this unit standard are competent in Mathematical Literacy and Communications at NQF level 3.

UNIT STANDARD RANGE

The scope of this unit standard includes length, surface area, volume, mass, speed; ratio, proportion; making and justifying conjectures. Contexts relevant to the adult, the workplace and the country. More detailed range statements are provided for specific outcomes and assessment criteria as needed.

Specific Outcomes and Assessment Criteria:

SPECIFIC OUTCOME 1

Measure, estimate, and calculate physical quantities.

OUTCOME NOTES

Measure, estimate, and calculate physical quantities in practical situations relevant to the adult with increasing responsibilities in life or the workplace.

OUTCOME RANGE

- Basic instruments to include those readily available such as rulers, measuring tapes, measuring cylinders or jugs, thermometers, spring or kitchen balances, watches and clocks.
- In situations which necessitate it such as in the workplace, the use of more accurate instruments such as vernier callipers, micrometer screws, stop watches and chemical balances.
- Quantities to estimate or measure to include length/distance, area, mass, time, speed acceleration and temperature.
- Distinctions between mass and weight, speed and acceleration.
- The quantities should range from the low or small to the high or large.
- Mass, volume temperature, distance, and speed values are used in practical situations relevant to the young adult or the workplace.
- Calculate heights and distances using Pythagoras' theorem.
- Calculate surface areas and volumes of right prisms (i.e., end faces are polygons and the remaining faces are rectangles) cylinders, cones and spheres from measurements in practical situations relevant to the adult or in the workplace.

ASSESSMENT CRITERIA

ASSESSMENT CRITERION 1

1. Scales on the measuring instruments are read correctly.

ASSESSMENT CRITERION 2

2. Quantities are estimated to a tolerance justified in the context of the need.

ASSESSMENT CRITERION 3

3. The appropriate instrument is chosen to measure a particular quantity.

ASSESSMENT CRITERION 4

4. Quantities are measured correctly to within the least step of the instrument.

ASSESSMENT CRITERION 5

5. Appropriate formulae are selected and used.

ASSESSMENT CRITERION 6

6. Calculations are carried out correctly and the least steps of instruments used are taken into account when reporting final values.

ASSESSMENT CRITERION 7

7. Symbols and units are used in accordance with SI conventions and as appropriate to the situation.

SPECIFIC OUTCOME 2

Explore, analyse & critique, describe & represent, interpret & justify geometrical relationships.

OUTCOME NOTES

Explore, analyse and critique, describe and represent, interpret and justify geometrical relationships and conjectures to solve problems in two and three-dimensional geometrical situations.

OUTCOME RANGE

- Applications taken from different contexts such as packaging, arts, building construction, dressmaking.
- The operation of simple linkages and mechanisms such as car jacks.
- Top, front and side views of objects are represented.
- Use rough sketches to interpret, represent and describe situations.
- The use of available technology (e.g., isometric paper, drawing instruments, software) to represent objects.
- Use and interpret scale drawings of plans (e.g., plans of houses or factories; technical diagrams of simple mechanical household or work related devices).
- Road maps relevant to the country.
- World maps.
- International time zones.
- The use of the Cartesian co-ordinate system in determining location and describing relationships in at least two dimensions.

ASSESSMENT CRITERIA

ASSESSMENT CRITERION 1

1. Descriptions are based on a systematic analysis of the shapes and reflect the properties of the shapes accurately, clearly and completely.

ASSESSMENT CRITERION 2

2. Descriptions include quantitative information appropriate to the situation and need.

ASSESSMENT CRITERION 3

3. Three-dimensional objects are represented by top, front and side views.

ASSESSMENT CRITERION 4

4. Different views are correctly assimilated to describe 3-dimensional objects.

ASSESSMENT CRITERION 5

5. Available and appropriate technology is used in producing and analysing representations.

ASSESSMENT CRITERION 6

6. Relations of distance and positions between objects are analysed from different views.

ASSESSMENT CRITERION 7

7. Conjectures as appropriate to the situation, are based on well-planned investigations of geometrical properties.

ASSESSMENT CRITERION 8

8. Representations of the problems are consistent with and appropriate to the problem context. The problems are represented comprehensively and in mathematical terms.

ASSESSMENT CRITERION 9

9. Results are achieved through efficient and correct analysis and manipulation of representations.

ASSESSMENT CRITERION 10

10. Problem-solving methods are presented clearly, logically and in mathematical terms.

ASSESSMENT CRITERION 11

11. Reflections on the chosen problem solving strategy reveal strengths and weaknesses of the strategy.

ASSESSMENT CRITERION 12

12. Alternative strategies to obtain the solution are identified and compared in terms of appropriateness and effectiveness.

UNIT STANDARD ACCREDITATION AND MODERATION OPTIONS

Providers of learning towards this unit standard will need to meet the accreditation requirements of the GENFETQA.

Moderation Option: The moderation requirements of the GENFETQA must be met in order to award credit to learners for this unit standard.

UNIT STANDARD ESSENTIAL EMBEDDED KNOWLEDGE

The following essential embedded knowledge will be assessed through assessment of the specific outcomes in terms of the stipulated assessment criteria. Candidates are unlikely to achieve all the specific outcomes, to the standards described in the assessment criteria, without knowledge of the listed embedded knowledge. This means that the possession or lack of the knowledge can be inferred directly from the quality of the candidate's performance against the standards.

- Properties of geometric shapes
- Surface area and volume
- Mathematical argument and evaluation based on logical deduction
- Spatial interrelationships.

Critical Cross-field Outcomes (CCFO):

UNIT STANDARD CCFO IDENTIFYING

Identify and solve problems using critical and creative thinking:

Solve a variety of problems relevant to the adult with increasing responsibilities involving space,

shape and time using geometrical techniques.

UNIT STANDARD CCFO COLLECTING

Collect, analyse, organise and critically evaluate information:

Gather, organise, evaluate and critique information about objects and processes.

UNIT STANDARD CCFO COMMUNICATING

Communicate effectively:

Use everyday language and mathematical language to describe properties, processes and problem solving methods.

UNIT STANDARD CCFO CONTRIBUTING

Use mathematics:

Use mathematics to analyse, describe and represent realistic and abstract situations and to solve problems relevant to the adult with increasing responsibilities.

QUALIFICATIONS UTILISING THIS UNIT STANDARD:

	ID	QUALIFICATION TITLE	OLD LEVEL	NEW LEVEL	STATUS	END DATE	QUALITY ASSURING BODY
Fundamental	13739	Certificate in Occupation-directed Education, Training and Development Practice	Level 4	NQF Level 04	Passed the End Date - Status was "Registered"	2003-10-11	Was ETDP SETA until Last Date for Achievement
Fundamental	49276	Further Education and Training Certificate (FETC): Trade Exhibitions	Level 4	NQF Level 04	Reregistered	2012-06-30	SERVICES
Fundamental	61595	Further Education and Training Certificate: Business Administration Services	Level 4	NQF Level 04	Reregistered	2012-06-30	As per Learning Programmes recorded against this Qual
Fundamental	48435	Further Education and Training Certificate: Captive Animal Management	Level 4	NQF Level 04	Reregistered	2012-06-30	CATHSSETA
Fundamental	58697	Further Education and Training Certificate: Electronic Security Installation Practices	Level 4	NQF Level 04	Reregistered	2012-06-30	As per Learning Programmes recorded against this Qual
Fundamental	58801	Further Education and Training Certificate: Environmental Noise Practice	Level 4	NQF Level 04	Reregistered	2012-06-30	LG SETA
Fundamental	61450	Further Education and Training Certificate: Film	Level 4	NQF Level 04	Reregistered	2012-06-30	MICTS

		and Television Production Operations					
Fundamental	57875	Further Education and Training Certificate: Jewellery Designing	Level 4	NQF Level 04	Reregistered	2012-06-30	MQA
Fundamental	57876	Further Education and Training Certificate: Jewellery Manufacturing Operations	Level 4	NQF Level 04	Reregistered	2012-06-30	MQA
Fundamental	65110	Further Education and Training Certificate: Management	Level 4	NQF Level 04	Passed the End Date - Status was "Reregistered"	2009-03-14	As per Learning Programmes recorded against this Qual
Fundamental	48919	Further Education and Training Certificate: Measurement, Control and Instrumentation	Level 4	NQF Level 04	Passed the End Date - Status was "Reregistered"	2009-04-08	EWSETA until Last Date for Achievement
Fundamental	49020	Further Education and Training Certificate: Metals Production	Level 4	NQF Level 04	Passed the End Date - Status was "Registered"	2007-04-07	
Fundamental	67462	Further Education and Training Certificate: Music Industry: Sound Technology	Level 4	NQF Level 04	Reregistered	2012-06-30	As per Learning Programmes recorded against this Qual
Fundamental	49074	Further Education and Training Certificate: Primary Tobacco Processing	Level 4	NQF Level 04	Reregistered	2012-06-30	AgriSETA
Fundamental	57898	Further Education and Training Certificate: Printing and Manufacture of Packaging	Level 4	NQF Level 04	Reregistered	2012-06-30	FPMSETA
Fundamental	24454	Further Education and Training Certificate: Real Estate	Level 4	NQF Level 04	Passed the End Date - Status was "Reregistered"	2007-11-28	SERVICES until Last Date for Achievement
Fundamental	48439	Further Education and Training Certificate: Road Transport Supervision	Level 4	NQF Level 04	Reregistered	2012-06-30	TETA
Fundamental	48909	Further Education and Training Certificate: Sanitation Project Facilitation	Level 4	NQF Level 04	Reregistered	2012-06-30	EWSETA

Fundamental	48657	Further Education and Training Certificate: Seed Research and Development	Level 4	NQF Level 04	Reregistered	2012-06-30	AgriSETA
Fundamental	48960	Further Education and Training Certificate: Social Security Administration	Level 4	NQF Level 04	Reregistered	2012-06-30	HW SETA
Fundamental	48906	Further Education and Training Certificate: Supervision of Wastewater Reticulation Operations	Level 4	NQF Level 04	Passed the End Date - Status was "Reregistered"	2008-02-19	Was EWSETA until Last Date for Achievement
Fundamental	48910	Further Education and Training Certificate: Water Purification Processes	Level 4	NQF Level 04	Reregistered	2012-06-30	EWSETA
Fundamental	48817	Further Education and Training Certification: Construction Materials Testing	Level 4	NQF Level 04	Reregistered	2012-06-30	CETA
Fundamental	48861	National Certificate: Aircraft Maintenance and Overhaul	Level 4	New Level Assignment Pend.	Reregistered	2012-06-30	TETA
Fundamental	48979	National Certificate: Animal Production	Level 4	New Level Assignment Pend.	Reregistered	2012-06-30	AgriSETA
Fundamental	21006	National Certificate: Automotive Component Manufacturing and Assembly	Level 4	NQF Level 04	Passed the End Date - Status was "Reregistered"	2008-11-01	MERSETA until Last Date for Achievement
Fundamental	22860	National Certificate: Autotronics	Level 4	New Level Assignment Pend.	Reregistered	2012-06-30	MERSETA
Fundamental	21871	National Certificate: Clothing Manufacturing Technology	Level 4	New Level Assignment Pend.	Reregistered	2012-06-30	FPMSETA
Fundamental	23975	National Certificate: Construction Material Testing: Bituminous Materials	Level 4	NQF Level 04	Passed the End Date - Status was "Registered"	2004-02-11	Was CETA until Last Date for Achievement
Fundamental	23974	National Certificate: Construction Material Testing: Soils and Aggregates	Level 4	NQF Level 04	Passed the End Date - Status was "Registered"	2004-02-11	Was CETA until Last Date for Achievement
Fundamental	20907	National Certificate: Customer Management	Level 4	NQF Level 04	Passed the End Date - Status was	2008-02-19	Was SERVICES until Last

					"Reregistered"		Date for Achievement
Fundamental	20420	National Certificate: Electrical Engineering	Level 4	NQF Level 04	Passed the End Date - Status was "Registered"	2004-02-10	Was EWSETA until Last Date for Achievement
Fundamental	48474	National Certificate: Electrical Engineering	Level 4	New Level Assignment Pend.	Passed the End Date - Status was "Reregistered"	2009-02-18	EWSETA until Last Date for Achievement
Fundamental	22871	National Certificate: Engineering Fabrication (light or heavy)	Level 4	NQF Level 04	Passed the End Date - Status was "Reregistered"	2007-08-16	MERSETA
Fundamental	23513	National Certificate: Fisheries Observation: Inshore	Level 4	NQF Level 04	Reregistered	2012-06-30	AgriSETA
Fundamental	22211	National Certificate: Footwear Technology	Level 4	New Level Assignment Pend.	Reregistered	2012-06-30	FPMSETA
Fundamental	22443	National Certificate: Freight Forwarding	Level 4	NQF Level 04	Passed the End Date - Status was "Reregistered"	2007-11-28	Was TETA until Last Date for Achievement
Fundamental	21160	National Certificate: Generic Project Management	Level 4	NQF Level 04	Passed the End Date - Status was "Registered"	2005-04-10	
Fundamental	23259	National Certificate: Industrial Rubber Manufacturing: Mixing OR Extruding OR Moulding OR Calendaring	Level 4	New Level Assignment Pend.	Reregistered	2012-06-30	MERSETA
Fundamental	21728	National Certificate: Labour Recruitment Consultancy	Level 4	NQF Level 04	Passed the End Date - Status was "Registered"	2004-06-12	SERVICES
Fundamental	20152	National Certificate: Ladies Hairdressing	Level 4	NQF Level 04	Passed the End Date - Status was "Registered"	2004-06-13	SERVICES
Fundamental	36436	National Certificate: Local Economic Development	Level 4	New Level Assignment Pend.	Reregistered	2012-06-30	LG SETA
Fundamental	23976	National Certificate: Local Employment and Skills Development Practices	Level 4	NQF Level 04	Passed the End Date - Status was "Registered"	2006-08-13	PSETA
Fundamental	20903	National Certificate: Marketing Communications	Level 4	NQF Level 04	Passed the End Date - Status was "Reregistered"	2008-02-19	Was SERVICES until Last Date for Achievement
Fundamental	20899	National Certificate:	Level 4	NQF Level	Passed the	2008-	Was

		Marketing Management		04	End Date - Status was "Reregistered"	02-19	SERVICES until Last Date for Achievement
Fundamental	20894	National Certificate: Marketing Research	Level 4	NQF Level 04	Passed the End Date - Status was "Reregistered"	2008-02-19	Was SERVICES until Last Date for Achievement
Fundamental	23275	National Certificate: Mechanical Engineering: Fitting	Level 4	NQF Level 04	Passed the End Date - Status was "Reregistered"	2008-06-25	MERSETA
Fundamental	23256	National Certificate: Mechanical Engineering: Fitting and Machining	Level 4	New Level Assignment Pend.	Passed the End Date - Status was "Reregistered"	2008-10-22	Was MERSETA until Last Date for Achievement
Fundamental	23279	National Certificate: Mechanical Engineering: Machining	Level 4	New Level Assignment Pend.	Passed the End Date - Status was "Reregistered"	2008-10-22	Was MERSETA until Last Date for Achievement
Fundamental	22772	National Certificate: Mechatronics	Level 4	New Level Assignment Pend.	Reregistered	2012-06-30	MERSETA
Fundamental	21016	National Certificate: Metal and Engineering Manufacturing Processes	Level 4	NQF Level 04	Passed the End Date - Status was "Reregistered"	2011-02-16	MERSETA until Last Date for Achievement
Fundamental	35927	National Certificate: Payroll Administration Services	Level 4	New Level Assignment Pend.	Passed the End Date - Status was "Reregistered"	2009-11-07	SERVICES until Last Date for Achievement
Fundamental	49009	National Certificate: Plant Production	Level 4	New Level Assignment Pend.	Reregistered	2012-06-30	AgriSETA
Fundamental	20890	National Certificate: Plastics Manufacturing	Level 4	NQF Level 04	Passed the End Date - Status was "Registered"	2005-04-13	Was MERSETA until Last Date for Achievement
Fundamental	21013	National Certificate: Power and Telecommunication Cable Manufacturing	Level 4	NQF Level 04	Reregistered	2012-06-30	MERSETA
Fundamental	48796	National Certificate: Quality Assurance of Tyre Manufacturing Processes	Level 4	New Level Assignment Pend.	Reregistered	2012-06-30	MERSETA
Fundamental	24498	National Certificate: Rail Operations (Train Control)	Level 4	New Level Assignment Pend.	Passed the End Date - Status was "Reregistered"	2009-06-17	TETA until Last Date for Achievement
Fundamental	24396	National Certificate: Risk Management	Level 4	NQF Level 04	Passed the End Date -	2006-10-	Was INSETA until Last

					Status was "Registered"	08	Date for Achievement
Fundamental	21796	National Certificate: Short Term Insurance	Level 4	NQF Level 04	Passed the End Date - Status was "Registered"	2005-06-12	Was INSETA until Last Date for Achievement
Fundamental	48736	National Certificate: Small Business Financial Management	Level 4	New Level Assignment Pend.	Reregistered	2012-06-30	FASSET
Fundamental	23895	National Certificate: Supervision of Building Construction Processes	Level 4	NQF Level 04	Passed the End Date - Status was "Registered"	2004-06-09	Was CETA until Last Date for Achievement
Fundamental	23682	National Certificate: Supervision of Civil Engineering Construction Processes: Labour Intensive Construction	Level 4	NQF Level 04	Passed the End Date - Status was "Registered"	2004-06-09	Was CETA until Last Date for Achievement
Fundamental	23674	National Certificate: Supervision of Civil Engineering Construction Processes: Road Works	Level 4	NQF Level 04	Passed the End Date - Status was "Registered"	2004-06-09	Was CETA until Last Date for Achievement
Fundamental	23673	National Certificate: Supervision of Civil Engineering Construction Processes: Water and Waste Water	Level 4	NQF Level 04	Passed the End Date - Status was "Registered"	2004-06-09	Was CETA until Last Date for Achievement
Fundamental	49053	National Certificate: Supervision of Construction Processes	Level 4	New Level Assignment Pend.	Reregistered	2012-06-30	CETA until Last Date for Achievement
Fundamental	23476	National Certificate: Supervision of Water Reticulation Operations	Level 4	NQF Level 04	Passed the End Date - Status was "Reregistered"	2008-02-09	Was EWSETA until Last Date for Achievement
Fundamental	20513	National Certificate: Tourism: Reception	Level 4	NQF Level 04	Passed the End Date - Status was "Registered"	2004-10-10	CATHSSETA
Fundamental	48799	National Certificate: Tyre and Tyre Component Manufacturing	Level 4	New Level Assignment Pend.	Reregistered	2012-06-30	MERSETA
Fundamental	22672	National Certificate: Wastewater Process Control	Level 4	NQF Level 04	Passed the End Date - Status was "Reregistered"	2008-06-11	EWSETA until Last Date for Achievement
Fundamental	24216	National Certificate: Welding Application and Practice	Level 4	NQF Level 04	Passed the End Date - Status was "Registered"	2006-12-03	MERSETA
Fundamental	23675	National Certificate:	Level 5	New Level	Reregistered	2012-	CETA

		Management of Building Construction Processes		Assignment Pend.		06-30	
Fundamental	49011	National Diploma: Animal Production	Level 5	NQF Level 05	Reregistered	2012-06-30	AgriSETA
Fundamental	21872	National Diploma: Clothing Manufacturing Technology	Level 5	NQF Level 05	Reregistered	2012-06-30	FPMSETA
Fundamental	22212	National Diploma: Footwear Technology	Level 5	NQF Level 05	Reregistered	2012-06-30	FPMSETA
Fundamental	49010	National Diploma: Plant Production	Level 5	NQF Level 05	Reregistered	2012-06-30	AgriSETA
Elective	49063	National Certificate: Geographical Information Sciences	Level 5	New Level Assignment Pend.	Reregistered	2012-06-30	CETA

PROVIDERS CURRENTLY ACCREDITED TO OFFER THIS UNIT STANDARD:

This information shows the current accreditations (i.e. those not past their accreditation end dates), and is the most complete record available to SAQA as of today. Some Quality Assuring Bodies have a lag in their recording systems for provider accreditation, in turn leading to a lag in notifying SAQA of all the providers that they have accredited to offer qualifications and unit standards, as well as any extensions to accreditation end dates. The relevant Quality Assuring Body should be notified if a record appears to be missing from here.

1. Academy for Construction Skills (Pty) Ltd (ACS)
2. ACCENTS
3. ACCSYS
4. African Divas
5. AFRICAN UNION SKILLS DEVELOPMENT (PTY) LTD
6. AGON MARKETING CC
7. Akapo Jewels
8. Amabamba Recruitment
9. Amaqamu Project Management & Consulting
10. ANGLO PLATINUM - ENGINEERING SKILLS TRAINING CENTRE
11. ANGLOGOLD ASHANTI LTD (V/R)
12. AngloGold Ashanti Training and Development Services
13. ATHENA -INTERACTIVE TRAINING NETWORK PTY LTD
14. Atteridgeville Jewellery Project
15. AYANDA SKILLS DEVELOPMENT INSTITUTE CC (Korsten)(TP)
16. Belgravia Institute of Mangement (PTY) LTD
17. BELMET TRAINING CENTRE T/A BELMET MARINE (PTY) LTD (Bellville)(TP)
18. Bettes - Types Trading and Projects
19. BHP Billiton Academy
20. BNZN Social Development and General Services
21. Boekenhoutkloof Traffic College
22. Boston City Campus and Business College (PTY) Ltd
23. Botshabelo Guidance Centre
24. CENTRAL BUSINESS ACADEMY (PTY) LTD
25. City of Cape Town Metropolitan Police
26. CKD Consultants

27. COLLEGE OF CAPE TOWN
28. College of Cape Town - Pinelands Campus
29. COLLIERY TRAINING COLLEGE (Witbank)(TP)
30. Construction Resource Development Centre
31. Continental Tyres SA (Pty) Ltd (NEW BRIGHTON) (TP)
32. Continuing Education Programme
33. COOL IDEAS 1075 CC
34. De Beers Consolidated Mines Ltd - Kimberley
35. Dego Consultants
36. Dinyane Education & Training
37. Dinyane Education & Training (Pty) Ltd T/A DET Training (EVANDA) (TP)
38. DIONYSUS SKILLS DEVELOPMENT INITIATIVE (PTY) LTD
39. Ditirelo Skills Development Services
40. Donn Products (Pty) Ltd T/A Saint-Gobain Construction (DURBAN)
41. Donn Products (Pty) Ltd T/A Saint-Gobain Construction (EPPING)
42. Donn Products (Pty) Ltd T/A Saint-Gobain Construction (GERMISTON)
43. Dorbyl Automotive Systems (NEAVE INDUSTRIAL) (TP)
44. Dragon Precision Training Centre (ESTCOURT) (TP)
45. Dragon Precision Training Centre (NEWCASTLE) (TP)
46. DUNLOP TYRES INTERNATIONAL (PTY) LTD (Glenwood)(TP)
47. DYNA TRAINING (PTY) LTD
48. EARLY WORKS CONSULTING PTY LTD
49. Eastcape Training Centre
50. EASTERN PLATINUM LIMITED
51. EDUTEL SKILLS DEVELOPMENT PTY LTD
52. ERWAT
53. Esayidi FET College - Enyenyenzi Campus
54. Eskom Distribution - Beacon Bay
55. EXPERIENTIAL TECHNOLOGIES (PTY) LTD
56. Express Model 405
57. Fapla Training
58. Ford Motor Company of Southern Africa (Manufacturing)(Pty) Ltd (WALTLO)
59. Ford Motor Company of Southern Africa (STRUANDALE) (TP)
60. GFBLA
61. GG Dawson's Auto Electrical T/A Dawson's Training Academy (GREYVILLE)
62. Gijima AST Holdings (Pty) Ltd T/A Asindo HR (MIDDELBURG) (TP)
63. Gijima AST Holdings (Pty) Ltd T/A Fundi Training Centre (BENONI) (TP)
64. Gijima AST Holdings (Pty) Ltd T/A Industrial Skills Development - Mid
65. Glere Skills and Consulting
66. Global Care Trading 100 CC
67. GO OUTSOURCING AND LABOUR RECRUITMENT
68. HANSING ENGINEERING (PTY) LTD (Blue Water Bay)(TP)
69. Hanyeleni Business Enterprise
70. HARMONY GOLD MINING CO LTD (FREE STATE)
71. HARMONY GOLD MINING COMPANY LIMITED
72. HEIRS TRAINING AND DEVELOPMENT PTY LTD
73. HYDRO TRAINING ACADEMY (PTY) LTD (Benoni)(TP)
74. Icando
75. IMFUNDISO SKILLS DEVELOPMENT (PTY) LTD
76. Imperial Technical Training Academy (BLACKHEATH) (TP)
77. IN TUITION
78. Industries Education & Training Institute - Port Elizabeth
79. Industries Education & Training Institute Cape Town

80. Industries Education and Training Institute, Johannesburg
81. Inkubeko YakwaNtu Trading
82. Innco Training & Development (Pty) Ltd (VEREENIGING) (TP)
83. Institute for Local Government and Housing
84. INTSIKA SKILLS BENEFICIATION PROJECTS
85. intuition Computer College (PTY) Ltd
86. Isigidi Trading 224 T/A Nikulwazi Training Consultants (PIETERMARITZBU
87. ITUMELENG TRAINING SOLUTIONS CC (MONUMENT PARK)
88. Iziko Capacity Building CC.
89. Izizwe Training Centre (Pty) Ltd T/A Simtech Training (NORTHDENE) (TP)
90. JKNB Business Works CC
91. JMG Training Academy
92. Jobafrik Consulting
93. Johannesburg Metropolitan Police Academy
94. Jucamo Shelf 4 CC.
95. KEEWAVE TRAINING 403 CC T/A VH CONSULTING (Durban)(TP)
96. Kgotla Trading Enterprise
97. KHANYISELA TRAINING (PTY) LTD
98. Kia Chuma
99. KINGSBURY INTERNATIONAL COLLEGE (SA) PTY LTD
100. KLM EMPOWERED HUMAN SOLUTIONS SPECIALISTS (PTY)LTD
101. KNOWLEDGE QUEST PTY LTD
102. KPK Training Solutions
103. KUKHULA TRAINING CC
104. KUMBA IRON ORE (SISHEN)
105. KUPFERBERG MACHINE & HEAT TREAT SHOP (PTY) LTD (Aggeneys)(TP)
106. Kwazulu Natal Traffic Training College
107. KZN Tourism Training
108. KZN Tourism Training Centre
109. LA LOUVE PRIVATE HAIR ACADEMY
110. Lelethu Training (Pty) Ltd
111. Letlhokoa Management Services CC
112. LEVELS OF LEADERSHIP PTY LTD
113. Limco Consulting and management (Pty) Ltd
114. Limpopo LED Resource Centre
115. Local Government Management Academy
116. M J Mafunisa Consultant
117. Mahayi HRD Services cc
118. Mancosa (PTY) LTD T/A Management College of Southern Africa
119. Maphelong Trading Enterprise CC
120. Mathaveiya Skill Enhancement
121. Mbokazi & Mkhize
122. MCD Training Centre (Pty) Ltd (MEYERTON) (TP)
123. MCD Training Centre Pty Ltd
124. MED WORKSHOP T/A MED TRAINING CENTRE (Epping)(TP)
125. Mercedes Benz South Africa (Pty) Ltd (EAST LONDON) (TP)
126. Milnex - Vereeniging
127. Mimoisa Business Solutions CC
128. MINTEK
129. MJ Mafunisa Consulting (PTY) LTD
130. MML Consulting CC.
131. MOLUKUTHO ENGINEERING (PTY) LTD (Killarney Gardens)(TP)
132. MSC College

133. Mthenganya & Associates
134. Multi-Skills Training & Development Institute (Pty) Ltd
135. MZANSI SKILLS BASE CC (Selby)(TP)
136. NA / PARTNERSHIP T/A TECHNISKILLS (Meadowridge)(TP)
137. NAMAKWA SANDS LTD
138. National Peace Accord Trust
139. Ndrendre Building & General Services
140. Nelson Mandela Traffic College
141. Nikilitha College Of Jewellery Design And Man
142. NJ & L Trading Enterprise CC.
143. Noro Communications
144. NORTHAM PLATINUM LIMITED
145. Northlink FET College - Belhar Campus
146. NS Global Academy
147. Old Mutual
148. Open Learning College (Pty) Ltd
149. OPTIMUM LEARNING TECHNOLOGIES (PTY) LTD
150. Outeniqua Leadership Institute
151. Pauline Mathlaela & Associates Skills Development Services (PTY) LTD
152. PAYROLL EDUCATION PTY LTD
153. PC Training and Business College
154. Planet Waves 237 (Pty) Ltd (PRETORIA NORTH) (TP)
155. Plastics Federation of South Africa (MIDRAND) (TP)
156. Pneuma And Ivanisevich Manufactures And Selle
157. Policing Training Management
158. PORTER MOTOR GROUP TRAINING CENTRE (Kuilsvier)(TP) (SITE MOVED TO L07
159. PRETORIA PORTLAND CEMENT CO_LTD (HEAD OFFICE)
160. PRIOR LEARNING CENTRE
161. Procedo Training Providers cc
162. PSM INSTITUTE OF LEARNING T/A PROFESSIONAL SKILLS MANAGEMENT (Mayville
163. QPD Consultants (Pty) Ltd
164. Real Estate College
165. Regent Business School (Pty) Ltd t/a Regent Business School
166. REHAU POLYMER (PTY) LTD (Fort Jackson)(TP)
167. Russ Projects T/A Academy Workplace Development (AWD) (HARRIETDALE) (T
168. SA TRUCK BODIES (PTY) LTD (Hamilton)(TP)
169. Sandown Motor Holdings (Pty) Ltd - Montague Gardens, Cape Town (MONTAG
170. SHAFT SINKERS PTY LTD
171. SHUKELA TRAINING CENTRE (Mt Edgecombe)(TP)
172. Sisezwa Business Enterprise
173. SIYANQOBA SEMINARS
174. SKILLS FOR LIFE TRAINING CENTRE
175. South African Institute of Learning (SAIL)
176. South African ABET Development Agency SAADA
177. Southern Ambition 529 Cc
178. SSS SHEETMETAL WORKS T/A SHEETECH SA (Queensmead)(TP)
179. T Human Resource
180. T Mabuya & Associates CC
181. Tag Tec Training
182. Tekmation
183. The Automobile Association South Africa T/A AA Training Academy (MIDRA
184. THE LR MANAGEMENT GROUP (PTY) LTD
185. Thuto-Boswa Education and Training Solutions

186. Tlaletso Consultants
187. Tlhogi's Consulting and Projects
188. Tlotlangthuto Training & Consulting
189. Training at Work (Pty) Ltd
190. Tshelopele Development Institution
191. Tswelopele Rural Development Network
192. TTTC
193. Twin Peak Technologies
194. TZM Services
195. Ugesi Training
196. Umbani Training Centre
197. Umjindi Jewellery Projects
198. Unique Training Solutions Bloemfontein
199. Vantage Holdings (Pty) Ltd
200. Vantage Training
201. Victorompie Enterprises CC.
202. Volkswagen ETI - Uitenhage
203. VOLKSWAGEN OF SOUTH AFRICA (PTY) LTD - TECHNICAL TRAINING CENTRE (Uite
204. VUSELELA FET COLLEGE - KLERKSDORP CAMPUS
205. Vuselela FET College - Matlosana Campus
206. WELFIT ODDY (PTY) LTD (Perseverance)(TP)
207. WISPECO ALUMINIUM (Alrode)(Project Site NVC)(TP)
208. WORLD FOCUS 119 CC T/A ELITSHA HOLDINGS (PTY) LTD (North End)(TP)
209. XSTRATA SA Pty Ltd - Alloys (Head Office)
210. Ya Hina Management Consulting and projects

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