

No. 621

21 May 2004

**SOUTH AFRICAN QUALIFICATIONS AUTHORITY (SAQA)**

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

Civil Engineering and Construction

Registered by NSB 12, Physical Planning and Construction, publishes the following qualifications and unit standards for public comment.

This notice contains the titles, fields, sub-fields, NQF levels, credits, and purpose of the qualification and unit standards upon which qualifications are based. The full qualification and unit standards can be accessed via the SAQA web-site at www.saga.org.za. Copies may also be obtained from the Directorate of Standards Setting and Development at the SAQA offices, Hatfield Forum West, 1065 Arcadia Street, Hatfield.

Comment on the unit standards should reach SAQA at the address ***below and no later than 21 June 2004***. All correspondence should be marked **Standards Setting – SGB Civil Engineering and Construction** and addressed to

The Director: Standards Setting and Development
SAQA

Attention: Mr. D Mphuthing

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JOE SAMUELS

DIRECTOR: STANDARDS SETTING AND DEVELOPMENT



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

1

Apply labour intensive construction methods to construct and maintain water and sanitation services

SAQA US ID	UNIT STANDARD TITLE		
114917	Apply labour intensive construction methods to construct and maintain water and sanitation services		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Civil Engineering Construction		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Physical Planning and Construction		Civil Engineering Construction	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
PPC-CEC-0-SGB CEC	Regular	Level 2	8

Specific Outcomes:

SPECIFIC OUTCOME 1

Plan and set out for LIC water and sanitation works.

SPECIFIC OUTCOME 2

Understand and explain basic LIC methods used in water and sanitation activities.

SPECIFIC OUTCOME 3

Perform Labour intensive water and sanitation activities.

SPECIFIC OUTCOME 4

Perform Labour intensive water and sanitation appurtenant works.

SPECIFIC OUTCOME 5

Identify faults and perform Labour intensive water and sanitation repair and maintenance works.



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UNIT STANDARD:

2

Apply labour intensive construction systems and techniques to work activities

SAQA US ID	UNIT STANDARD TITLE		
114921	Apply labour intensive construction systems and techniques to work activities		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Civil Engineering Construction		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Physical Planning and Construction		Civil Engineering Construction	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
PPC-CEC-0-SGB CEC	Regular	Level 2	12

Specific Outcomes:**SPECIFIC OUTCOME 1**

Understand and explain the Labour Intensive Construction philosophy.

SPECIFIC OUTCOME 2

Implement Labour Intensive Construction Systems.

SPECIFIC OUTCOME 3

Implement resource management techniques for Labour Intensive Construction projects.

SPECIFIC OUTCOME 4

Train, coach and develop team members in LIC methods.

SPECIFIC OUTCOME 5

Implement LIC administrative systems.



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UNIT STANDARD:

3

Use labour intensive construction methods to construct and maintain roads and stormwater drainage

SAQA US ID	UNIT STANDARD TITLE		
114916	Use labour intensive construction methods to construct and maintain roads and stormwater drainage		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Civil Engineering Construction		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Physical Planning and Construction		Civil Engineering Construction	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
PPC-CEC-0-SGB CEC	Regular	Level 2	8

Specific Outcomes:**SPECIFIC OUTCOME 1**

Plan and set out for LIC roads, earthworks layer works and drainage.

SPECIFIC OUTCOME 2

Understand and explain basic LIC earthmoving methods.

SPECIFIC OUTCOME 3

Perform labour intensive earthworks, layer works and drainage works.

SPECIFIC OUTCOME 4

Perform labour intensive road finishing works.

SPECIFIC OUTCOME 5

Perform labour intensive road maintenance works.



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UNIT STANDARD:

4

Use labour intensive construction methods to construct, repair and maintain structures

SAQA US ID	UNIT STANDARD TITLE		
114930	Use labour intensive construction methods to construct, repair and maintain structures		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Civil Engineering Construction		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Physical Planning and Construction		Civil Engineering Construction	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
PPC-CEC-0-SGB CEC	Regular	Level 2	8

Specific Outcomes:**SPECIFIC OUTCOME 1**

Plan and set out for LIC structural works.

SPECIFIC OUTCOME 2

Understand and explain basic LIC methods used in structural activities.

SPECIFIC OUTCOME 3

Perform Labour intensive structural activities.

SPECIFIC OUTCOME 4

Perform Labour intensive structural appurtenant works.

SPECIFIC OUTCOME 5

Perform Labour intensive structural repair and maintenance activities.



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UNIT STANDARD:

5

Develop and promote labour intensive construction strategies

SAQA US ID	UNIT STANDARD TITLE		
114913	Develop and promote labour intensive construction strategies		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Civil Engineering Construction		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Physical Planning and Construction		Civil Engineering Construction	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
PPC-CEC-0-SGB CEC	Regular	Level 7	20

Specific Outcomes:

SPECIFIC OUTCOME 1

Understand and apply the philosophy, principles and concepts of Labour Intensive Construction (LIC).

SPECIFIC OUTCOME 2

Develop and implement policies and procedures for Labour Intensive Construction (LIC) Projects.

SPECIFIC OUTCOME 3

Develop Labour Intensive Construction (LIC) documentation.

SPECIFIC OUTCOME 4

Promote the use of Labour Intensive Construction (LIC) methods.