

No. 833

6 August 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

Building Construction

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

This notice contains the titles, fields, sub-fields, NQF levels, credits, and purpose of the unit standards. The 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, 1067 Arcadia Street, Hatfield.

Comment on the unit standards should reach SAQA at the address ***below and no later than 6 September 2004***. All correspondence should be marked **Standards Setting – SGB Building Construction** and addressed to

The Director: Standards Setting and Development
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Attention: Mr. D Mphuthing

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JOE SAMUELS

DIRECTOR: STANDARDS SETTING AND DEVELOPMENT



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

Demonstrate an understanding of the application of advanced construction technology

SAQA US ID	UNIT STANDARD TITLE		
116359	Demonstrate an understanding of the application of advanced construction technology		
SGB NAME		NSB ACRONYM	PROVIDER NAME
SGB Building Construction		NSB 12	
FIELD		SUBFIELD	
Physical Planning and Construction		Physical Planning, Design and Management	
ABET BAND	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
Undefined	Regular	Level 7	15

Specific Outcomes:**SPECIFIC OUTCOME 1**

Demonstrate an understanding of the concept of lean production.

SPECIFIC OUTCOME 2

Demonstrate an understanding of the application of industrial building systems.

SPECIFIC OUTCOME 3

Demonstrate an understanding of the application of the concepts of service coordination and service

SPECIFIC OUTCOME 4

Demonstrate an understanding of advanced formwork and scaffolding systems.

SPECIFIC OUTCOME 5

Demonstrate an understanding of the application of structural masonry in construction.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

Integrate construction management principles

SAQA US ID	UNIT STANDARD TITLE		
116424	Integrate construction management principles		
SGB NAME		NSB ACRONYM	PROVIDER NAME
SGB Building Construction		NSB 12	
FIELD		SUBFIELD	
Physical Planning and Construction		Physical Planning, Design and Management	
ABET BAND	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
Undefined	Regular	Level 7	10

Specific Outcomes:

SPECIFIC OUTCOME 1

Integrate the pre-tender phase.

SPECIFIC OUTCOME 2

Prepare for construction activities.

SPECIFIC OUTCOME 3

Analyse and review the implementation of construction activities.

SPECIFIC OUTCOME 4

Analyse and review contract/s closeout.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

Understand and apply the principles of incrementally launched structures

SAQA US ID	UNIT STANDARD TITLE		
116354	Understand and apply the principles of incrementally launched structures		
SGB NAME		NSB ACRONYM	PROVIDER NAME
SGB Building Construction		NSB 12	
FIELD		SUBFIELD	
Physical Planning and Construction		Physical Planning, Design and Management	
ABET BAND	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
Undefined	Regular	Level 7	10

Specific Outcomes:

SPECIFIC OUTCOME 1

Demonstrate an understanding of materials and equipment used during incremental launching.

SPECIFIC OUTCOME 2

Identify and apply incremental launching technologies and techniques.

SPECIFIC OUTCOME 3

Understand and apply safety measures during incremental launching of structures.

SPECIFIC OUTCOME 4

Implement environmental principles.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

Understand and apply the principles of the construction of cable stayed structures

SAQA US ID	UNIT STANDARD TITLE		
116352	Understand and apply the principles of the construction of cable stayed structures		
SGB NAME		NSB ACRONYM	PROVIDER NAME
SGB Building Construction		NSB 12	
FIELD		SUBFIELD	
Physical Planning and Construction		Physical Planning, Design and Management	
ABET BAND	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
Undefined	Regular	Level 7	10

Specific Outcomes:**SPECIFIC OUTCOME 1**

Demonstrate an understanding of materials and equipment used during the construction of cable-stayed

SPECIFIC OUTCOME 2

Demonstrate an understanding of and apply technologies and techniques used during the construction o

SPECIFIC OUTCOME 3

Understand and apply safety measures during the construction of cable-stayed structures.

SPECIFIC OUTCOME 4

Implement environmental principles.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:**Undertake a research project in the built environment**

SAQA US ID	UNIT STANDARD TITLE		
116350	Undertake a research project in the built environment		
SGB NAME		NSB ACRONYM	PROVIDER NAME
SGB Building Construction		NSB 12	
FIELD		SUBFIELD	
Physical Planning and Construction		Physical Planning, Design and Management	
ABET BAND	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
Undefined	Regular	Level 7	20

Specific Outcomes:**SPECIFIC OUTCOME 1**

Select an appropriate topic and outline the method of research.

SPECIFIC OUTCOME 2

Undertake research and investigation into the topic.

SPECIFIC OUTCOME 3

Catalogue all relevant research and investigation.

SPECIFIC OUTCOME 4

Present research in written submission.