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**SOUTH AFRICAN QUALIFICATIONS AUTHORITY (SAQA)**

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

**Business, Commerce and Management Studies**


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 unit standards. The unit standards can be accessed via the SAQA web-site at [www.saga.org.za](http://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, Pretoria.

Comment on the qualification and unit standards should reach SAQA at the address *below and no later than 15 August 2005*. All correspondence should be marked **Standards Setting – SGB Procurement, Logistics and Supply Chain Management** and addressed to

The Director: Standards Setting and Development  
SAQA

Attention: Mr. Eddie Brown  
Postnet Suite 248  
Private Bag X06  
Waterkloof  
0145  
or faxed to 012 – 431-5144  
e-mail: [ebrown@saqa.co.za](mailto:ebrown@saqa.co.za)

  
DUGMORE MPHUTHING  
ACTING DIRECTOR: STANDARDS SETTING AND DEVELOPMENT



## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

## UNIT STANDARD:

1

**Apply technological capability establishment principles to programmes in the defence and security industry**

SAQA US ID	UNIT STANDARD TITLE		
119851	Apply technological capability establishment principles to programmes in the defence and security industry		
SGB NAME	NSB 03	PROVIDER NAME	
SGB Procurement, Logistics and Supply Chain Mngt	Business, Commerce and Management Studies		
UNIT STANDARD TYPE	FIELD DESCRIPTION	SUBFIELD DESCRIPTION	
Regular	Business, Commerce and Management Studies	Procurement	
ABET BAND	CREDITS	NQF LEVEL	UNIT STANDARD TYPE
Undefined	6	Level 5	Regular

**SPECIFIC OUTCOME 1**

Initiate and apply the concepts and practice of technological capability development as prior technological risk-reduction in preparation for medium to long-term RSA military acquisition programmes.

**SPECIFIC OUTCOME 2**

Establish a risk reduction process for existing programmes by integrating Technological Capability development.

**SPECIFIC OUTCOME 3**

Establish project plans to close Technological Capability gaps between that derived from the operational level of war requirement in the African context (requirement pull) and the current Technological Capability available (technology push).

**SPECIFIC OUTCOME 4**

Use a process tailored from the organisation's acquisition practices to establish and manage a Technological Capability Development contract.



## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

### UNIT STANDARD:

2

#### Apply System Engineering Technical Management to system development projects

SAQA US ID	UNIT STANDARD TITLE		
119852	Apply System Engineering Technical Management to system development projects		
SGB NAME		NSB 03	PROVIDER NAME
SGB Procurement, Logistics and Supply Chain Mngt		Business, Commerce and Management Studies	
UNIT STANDARD TYPE		FIELD DESCRIPTION	SUBFIELD DESCRIPTION
Regular		Business, Commerce and Management Studies	Procurement
ABET BAND	CREDITS	NQF LEVEL	UNIT STANDARD TYPE
Undefined	8	Level 5	Regular

#### **SPECIFIC OUTCOME 1**

Critically analyse and review the techniques for System Engineering Process Control.

#### **SPECIFIC OUTCOME 2**

Perform Engineering process control activities to support project objectives.

#### **SPECIFIC OUTCOME 3**

Tailor the System Engineering process for a specific project/system.

#### **SPECIFIC OUTCOME 4**

Apply Risk Management as part of the System Engineering process.

#### **SPECIFIC OUTCOME 5**

Apply System Integration, Verification and Validation Processes as part of a system development.



## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

## UNIT STANDARD:

3

## Apply system engineering processes to an acquisition programme life cycle

SAQA US ID	UNIT STANDARD TITLE		
119853	Apply system engineering processes to an acquisition programme life cycle		
SGB NAME		NSB 03	PROVIDER NAME
SGB Procurement, Logistics and Supply Chain Mngt		Business, Commerce and Management Studies	
UNIT STANDARD TYPE		FIELD DESCRIPTION	SUBFIELD DESCRIPTION
Regular		Business, Commerce and Management Studies	Procurement
ABET BAND	CREDITS	NQF LEVEL	UNIT STANDARD TYPE
Undefined	8	Level 5	Regular

**SPECIFIC OUTCOME 1**

Apply the concepts of Requirements engineering.

**SPECIFIC OUTCOME 2**

Apply the concepts of systems analysis at product system level.

**SPECIFIC OUTCOME 3**

Critically analyse the activities of system design (synthesising a solution) for each acquisition phase at product system level.

**SPECIFIC OUTCOME 4**

Analyse and review the activities of assessment and selection between alternatives for each acquisition phase at product system level.

**SPECIFIC OUTCOME 5**

Analyse and review the role and function of Systems Engineering Documentation and Reports.

**SPECIFIC OUTCOME 6**

Analyse and review the role and function of System Engineering tools.



## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

### UNIT STANDARD:

4

#### Apply configuration management as a subset of the system engineering process

SAQA US ID	UNIT STANDARD TITLE		
119854	Apply configuration management as a subset of the system engineering process		
SGB NAME		NSB 03	PROVIDER NAME
SGB Procurement, Logistics and Supply Chain Mngt		Business, Commerce and Management Studies	
UNIT STANDARD TYPE		FIELD DESCRIPTION	SUBFIELD DESCRIPTION
Regular		Business, Commerce and Management Studies	Procurement
ABET BAND	CREDITS	NQF LEVEL	UNIT STANDARD TYPE
Undefined	8	Level 5	Regular

#### **SPECIFIC OUTCOME 1**

Apply Configuration Management principles throughout the life cycle of a product.

#### **SPECIFIC OUTCOME 2**

Apply Configuration Identification to projects.

#### **SPECIFIC OUTCOME 3**

Apply Configuration Control to projects.

#### **SPECIFIC OUTCOME 4**

Apply Configuration Status Accounting (CSA) to projects.

#### **SPECIFIC OUTCOME 5**

Apply Configuration Audits to projects.



## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

### UNIT STANDARD:

5

#### Analyse and apply engineering management in an acquisition programme

SAQA US ID	UNIT STANDARD TITLE		
119855	Analyse and apply engineering management in an acquisition programme		
SGB NAME	NSB 03	PROVIDER NAME	
SGB Procurement, Logistics and Supply Chain Mngt	Business, Commerce and Management Studies		
UNIT STANDARD TYPE	FIELD DESCRIPTION	SUBFIELD DESCRIPTION	
Regular	Business, Commerce and Management Studies	Procurement	
ABET BAND	CREDITS	NQF LEVEL	UNIT STANDARD TYPE
Undefined	6	Level 5	Regular

#### **SPECIFIC OUTCOME 1**

Structure the acquisition Life Cycle of a programme.

#### **SPECIFIC OUTCOME 2**

Analyse and review the role of System Engineering in Acquisition Programmes.

#### **SPECIFIC OUTCOME 3**

Integrate related engineering disciplines into the structure of an acquisition programme.

#### **SPECIFIC OUTCOME 4**

Tailor the System Engineering process to the acquisition process.



## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

### UNIT STANDARD:

6

**Apply logistics engineering principles in the acquisition management process and during steady state operations of a system**

SAQA US ID	UNIT STANDARD TITLE		
119856	Apply logistics engineering principles in the acquisition management process and during steady state operations of a system		
SGB NAME		NSB 03	PROVIDER NAME
SGB Procurement, Logistics and Supply Chain Mngt		Business, Commerce and Management Studies	
UNIT STANDARD TYPE		FIELD DESCRIPTION	SUBFIELD DESCRIPTION
Regular		Business, Commerce and Management Studies	Procurement
ABET BAND	CREDITS	NQF LEVEL	UNIT STANDARD TYPE
Undefined	8	Level 5	Regular

#### **SPECIFIC OUTCOME 1**

Manage the logistic engineering activities as a sub-set of the system-engineering process in the acquisition life cycle.

#### **SPECIFIC OUTCOME 2**

Manage and improve logistic engineering and support activities during the steady state operation of a system.

#### **SPECIFIC OUTCOME 3**

Develop and implement risk management strategies according to organizational policies and procedures as applicable to logistics management.

#### **SPECIFIC OUTCOME 4**

Develop and implement a test and validation plan for logistics engineering during the acquisition and steady state operations phases.



## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

## UNIT STANDARD:

7

## Plan and implement Quality Management Systems in corporate and project

SAQA US ID	UNIT STANDARD TITLE		
119857	Plan and implement Quality Management Systems in corporate and project		
SGB NAME	NSB 03	PROVIDER NAME	
SGB Procurement, Logistics and Supply Chain Mngt	Business, Commerce and Management Studies		
UNIT STANDARD TYPE	FIELD DESCRIPTION	SUBFIELD DESCRIPTION	
Regular	Business, Commerce and Management Studies	Procurement	
ABET BAND	CREDITS	NQF LEVEL	UNIT STANDARD TYPE
Undefined	8	Level 5	Regular

**SPECIFIC OUTCOME 1**

Critically analyse the concepts of Quality and Quality Management.

**SPECIFIC OUTCOME 2**

Review the roles and responsibilities of stakeholders in ensuring quality in a project or organisation.

**SPECIFIC OUTCOME 3**

Select, plan and implement corporate Quality Management Systems.

**SPECIFIC OUTCOME 4**

Manage Supply Chain Quality Processes.

**SPECIFIC OUTCOME 5**

Select and develop Quality Assurance Plans for Acquisition Programmes.