



Government Gazette Staatskoerant

REPUBLIC OF SOUTH AFRICA
REPUBLIEK VAN SUID-AFRIKA

Vol. 474

Pretoria, 10 December
Desember 2004

No. 27063



AIDS HELPLINE: 0800-0123-22 Prevention is the cure



CONTENTS

No.

Page
No. Gazette
No.**GOVERNMENT NOTICES****South African Qualifications Authority***Government Notices*

1417	National Standards Bodies Regulations: Standards Generating Body (SGB) for Generic Management	3	27063
1418	do.: Standards Generating Body NSB 04: Communication Studies and Languages.....	25	27063
1419	do.: Standards Generating Body (SGB) for Building Construction.....	27	27063
1420	Standards Generating Bodies: National Standards Body 06: Manufacturing Engineering and Technology.....	45	27063
1421	do.: National Standards Body 02: Culture and Arts.....	50	27063
1422	National Standards Bodies Regulations: Standards Generating Body (SGB) for Building Construction.....	55	27063
1423	do.: Standards Generating Body (SGB) for Visible Policing.....	57	27063
1424	do.: Standards Generating Body (SGB) for Food.....	59	27063
1425	do.: Standards Generating Body (SGB) for Forestry.....	64	27063

GOVERNMENT NOTICES

SOUTH AFRICAN QUALIFICATIONS AUTHORITY

No. 1417

10 December 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

Generic Management

Registered by NSB 03, Business, Commerce and Management Studies, publishes the following qualification 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. The 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, 1067 Arcadia Street, Hatfield, Pretoria.

Comment on the unit standards should reach SAQA at the address ***below and no later than 16 January 2005***. All correspondence should be marked **Standards Setting – SGB for generic Management** and addressed to

The Director: Standards Setting and Development
SAQA

Attention: Mr. D Mphuthing

Postnet Suite 248

Private Bag X06

Waterkloof

0145

or faxed to 012 – 431-5144

e-mail: dmphuthing@saga.co.za

JOE SAMUELS

DIRECTOR: STANDARDS SETTING AND DEVELOPMENT



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

QUALIFICATION:

FETC: Business Systems Operations: End User (ERP)

SAQA QUAL ID	QUALIFICATION TITLE	
49176	FETC: Business Systems Operations: End User (ERP)	
SGB NAME	SGB Generic Management	
ABET BAND	PROVIDER NAME	
Undefined		
QUALIFICATION CODE	QUAL TYPE	SUBFIELD
BUS-4-National Certificate	National Certificate	Generic Management
MINIMUM CREDITS	NQF LEVEL	QUALIFICATION CLASS
122	Level 4	Regular-Unit Stds Based
SAQA DECISION NUMBER	REGISTRATION START DATE	REGISTRATION END DATE

PURPOSE OF THE QUALIFICATION

The purpose of this qualification is to enable workplace users to improve their ERP proficiency, increase their confidence as a User of the ERP software, document their proficiency in using ERP systems, and raise their employability by gaining an NQF Qualification.

The qualifying learner will:

- > Understand the strategic importance of ERP systems to their business
- > Understand the high level business process within an organisation
- > Be aware of governance and control issues within business systems
- > Understand change management principles
- > Understand all relevant ERP concepts and terms
- > Effectively navigate the graphical user interface of their ERP solutions
- > Have an up-to-date understanding of ERP systems and available functions
- > Be able to make full and efficient use of personalisation options
- > Use the online help environment to answer questions about the ERP solution
- > Effectively use output and job management tools
- > Execute reports with ease and speed
- > Be able to apply the concept of business transactions, including the interdependence of different transactions within a business organisation
- > Be able to provide feedback on the operation of an ERP solution from an End User perspective
- > Be able to demonstrate the capacity to troubleshoot as an End User in an ERP system

This Certificate may be acquired in the traditional way by formal study at an accredited ERP institution, as well as in the work place through a Learnership.

This learning supports the objectives of the NQF through increased portability and articulation of learning and career path progression. By concentrating on the link between theory and practice, the quality of education and training as well as the personal development of the learner will be elevated.

Rationale

User preparation is essential for a successful ERP implementation or upgrade. Companies that overlook this critical factor are more likely to see their projects run over time and over budget. To ensure success, Company employees need the knowledge, skills and confidence to use the software and associated tools to their best advantage. To ensure success, ERP training must be extended beyond the implementation or upgrade period, so as to ensure the same ongoing training and support for the system Users.

Presently, many of the employees in a typical ERP customer company buy into the software solution in different ways, depending on the number of solution components deployed. As a rule, the largest group

consists of employees whose processes and role are actually implemented in the solution. Their view of the solution is determined by their role and task as well as the processes mapped out in the information flow. Such employees include buyers, personnel administrators, MRP controllers, and service specialists. Since the emphasis here is on the job, they are trained to do, rather than on information technology, this large target group frequently receives no special ERP training, but is taught "on the job" during implementation - and then only if there is sufficient time. Later when the system has gone live, users are generally left to sort out problems by a process of trial and error or by asking around, unless a helpdesk has been set up.

This is where this certificate applies. The intent is to transfer the collective experience of some 80,000 ERP consultants in training and assessment to the heterogeneous target group of end users. In spite of their differences, what they share is the need to understand requirements analysis, education, and assessment as a holistic cyclical process, which should not end once a certificate has been obtained.

For the individuals involved, the certificate becomes a vital part of their professional portfolio and an important milestone in their career.

RECOGNIZE PREVIOUS LEARNING?

Y

LEARNING ASSUMED TO BE IN PLACE

Learners accessing this qualification should be competent in:

- > Communication at NQF Level 3.
- > Mathematical literacy at NQF Level 3.
- > End User Computing at NQF Level 3.

Recognition of prior learning (RPL):

This qualification can be achieved wholly or in part through the Recognition of Prior Learning and the qualification may be granted to learners who have acquired the skills and knowledge without attending formal courses, providing they can demonstrate competence in the outcomes of the individual unit standards as required by the Fundamental, Core and Elective areas stipulated in the qualification and by the exit level outcomes.

An RPL process may also be used to credit learners with unit standards in which they have developed the necessary competency as a result of workplace and experiential learning.

RPL may also be used by learners, who are not in possession of an FETC or equivalent qualification, to gain access to the qualification.

Learners submitting themselves for RPL should be thoroughly briefed prior to the assessment, and will be required to submit a Portfolio of Evidence in the prescribed format to be assessed for formal recognition. While this is primarily a workplace-based qualification, evidence from other areas of endeavour may be introduced if pertinent to any of the exit level outcomes.

The approach taken to RPL in this qualification reflects the objectives of the NQF in that it will allow access to qualifications for a large section of previously disadvantaged persons who were marginalised from mainstream education and training. RPL will also provide access for the youth and unemployed to embark on learning and career path progression. However RPL is perhaps more relevant to provide recognition of experience acquired over many years in the workplace for those already employed. RPL will allow these persons to accumulate credits for experiential learning gained. In this way, as a result of RPL, each of these groups of individuals will be able to receive portable, nationally recognised formal qualifications.

QUALIFICATION RULES

Level, credits and learning components assigned to the Qualification:

This Certificate in Business Systems Operations - End User (ERP) is at NQF Level 4 as the complexity of learning, as embodied by the specific outcomes of the related unit standards, conforms to the level of difficulty of learning at Level 4. The learning in turn is determined by the skills, knowledge, attitudes and values and matched to the responsibility level of practitioners at whom it is aimed. The number of credits required for this qualification is 121 grouped as follows:

Component	NQF3	NQF4	Total
> Fundamental	20	36	56
> Core	0	55	55

> Elective	0	23	23 min 11
Total (min 141)	20	114	122

Fundamental Component

There is a mandatory SAQA requirement of 56 credits relating to the Fundamental component of an FETC. The scoping exercise carried out clearly indicates that the learning included in this component of the qualification is essential for all learners to function effectively in their designated workplaces and to ensure success with the Core and Elective learning that has to take place.

All of these unit standards are compulsory.

Core Component

The Core component of the qualification consists of unit standards designed to equip the learner with the necessary functional skills and knowledge base required to operate competently within the Business Systems Operations - End User (ERP) environment. These competencies relate directly to the actual work performed by employees in the sector.

All of these unit standards are compulsory.

Elective Component

A wide range of Elective unit standards has been identified for inclusion in the Elective component of the qualification. They relate to the range of areas in which the End User can work. The range of possibilities embodied in the list means that both individual and company choice is readily possible. This also enhances the possibility of any Learnership that is registered based on this qualification being demand-led rather than supply-driven.

The learner is required to select unit standards to a value of at least 11 credits for this component. The learner may also choose unit standards not listed in the qualification, but which better equip him/her to perform more effectively at work or in which he/she has a particular interest. Such choices should meet with the approval of the relevant ETQA.

EXIT LEVEL OUTCOMES

1. Apply a sound knowledge of communication to interactions in the business environment in at least two languages.
2. Apply mathematical literacy in personal and business contexts.
3. Demonstrate an understanding of Business Systems and their role within an organisation.
4. Demonstrate a broad understanding of Business Processes within an organisation.
5. Utilise an ERP system correctly and effectively at an operational level.
6. Process transactions effectively on an ERP system.

Critical Cross-Field Outcomes:

The various constituent parts of the qualification, namely Business Systems, Business Process, ERP Usage and Contextual Change Management, as well as the Fundamental and Elective Components, present numerous opportunities to develop each of the Critical Cross-Field Outcomes. It is anticipated that accredited service providers will readily be able to do so.

It is apparent that the following Critical Outcomes will easily be developed as an intrinsic part of any learning programme:

1. The nature of the Exit Level Outcomes and Associated Assessment Criteria is such that creative problem-solving is explicitly required.
2. Team and group work are a functional necessity and the Associated Assessment Criteria specify this.
3. The same considerations as in (2) apply to the capacity of the individual learner in "managing and organising him/herself and his/her activities responsibly and effectively".
4. In participating in defining a solution to the Business Process and Change Management problems at hand, each learner is required to "collect, analyse, organise and critically evaluate information".

5. Communicating effectively is explicitly part of the requirements built into the Fundamental Component of the qualification.

6. In ERP development within an organisational setting, a systemic approach is encouraged throughout.

More detail will be provided within each Unit Standard of how the Critical Outcomes need to be emphasised.

ASSOCIATED ASSESSMENT CRITERIA

1.

- > Oral communication in a business environment is professional and appropriate to the context.
- > Information presented in a variety of forms is used and interpreted correctly.
- > Written work produced in the business environment is presented using appropriate language, tone and genre.

2.

- > Mathematical calculations and formulae are applied correctly in work and business contexts.
- > Everyday problems are solved using mathematical process where appropriate.

3.

- > Different business systems are described in terms of their individual functionality and interdependence within an organisation.
- > The role of business systems in relation to the business strategy and objectives is understood and clearly articulated.
- > The overall concept of an ERP Solution is understood in an organisational context.
- > The role of end-users in the implementation of a business system is understood and can be clearly communicated to others in the workplace.
- > Meaningful contributions are made during the various phases of implementing a business system.

4.

- > Inputs made during business process definition sessions are meaningful and reflect a broad understanding of the business process being discussed.
- > Recommendations for the improvement of a business process within a specific area or department are presented to appropriate individuals or groups.
- > High level business processes within an organisation are described using appropriate visual presentation methods.
- > Governance and control issues, specific to the organisation, which affect business systems operations are understood and clearly articulated.

5.

- > Feedback on the operation of an ERP Solution is meaningful and constructive and is provided using the appropriate communication channels
- > The key performance indicators of an ERP transaction are clearly understood and applied when using an ERP system
- > Basic problems arising from using an ERP system are solved using trouble-shooting principles and techniques
- > The correct communication channels are used when communicating issues arising from an ERP system.

6.

- > Effective navigation is performed within an ERP system or module.
- > Transactions within an ERP system are executed correctly, accurately and timeously.
- > The impact of an ERP system on an organisation is understood and described using practical examples.

Integrated Assessment:

The qualification and its associated assessment criteria have been designed so that assessment is fully integrated with the learning. The learner must, in an authentic setting:

- > Demonstrate competence by means of the practical application of the embedded knowledge in a manner that meets the required performance standards.
- > Illustrate a clear understanding of the concepts, theory and principles that underpin the practical action taken.

The emphasis throughout the qualification should be on continuous, formative assessment. Much of this is

achieved in "sites of application" and involves a range of assessment tools, which will include a degree of self and peer assessment. Assessor and learner should jointly plan a number of appropriate summative assessments at specific times, throughout the learning process.

As a result of a range of ongoing assessment approaches in terms of testing and evaluating the fundamental, practical and reflexive competence of the learner, a skills matrix should be produced. This will clearly indicate not only the knowledge gaps and skills deficits of the individual, but also highlight the learner's strengths and weaknesses related to the other elements of applied competence, namely:

- > Information processing and the power of analysis.
- > Problem solving and a decision making capacity.
- > Communication skills.

The assessment process should be capable of being applied to RPL, subject to the rules and criteria of the relevant ETQA.

INTERNATIONAL COMPARABILITY

Enterprise Resource Planning (ERP) is a combination of business management best practice and technology, where Information Technology integrates with a company's core business processes to enable the achievement of specific business objectives. This business process was pioneered in Germany in 1972 and the SAP Consulting Skills and Competencies Framework developed there, is the international system in use in 120 countries, with training in those countries being done against this framework. Trainees from these programmes service 17 500 customers who in turn have 10 million users.

This Certificate aligns very well with the SAP Business Application Consultant Qualification. Reference can be made to the National Skills Standards Board Website: www.nssb.org

This FETC - End User (ERP) meets the requirements for the level 5 Certificate - Power User (ERP), which in turn, meets the entry-level requirements for qualification as an ERP Associate Business Consultant at level 5. This is the normal entry to Business Consulting (ERP) and the first level at which a comparison can be made. The level 4 qualification has been designed to meet specific local entry-level requirements that will facilitate entry by End Users into the field of Business Consulting Practice (ERP), and fully conforms to the Consulting Skills and Competencies Handbook as issued by SAP Germany, and which is used internationally.

This series of qualifications is ERP Generic (non-vendor specific) and fully meets all the International Certification requirements. It also includes the relevant fundamental skills.

ARTICULATION OPTIONS

This qualification articulates horizontally with the following qualifications:

- > FETC: Business Administration Services.
- > FETC: Management.
- > FETC: Payroll Administration Services.

It articulates vertically with the following qualifications:

- > National Certificate: Business Consulting Practice (Enterprise Resource Planning): NQF Level 5.
- > National Certificate: Organisational Transformation and Change Management: Level 5.

MODERATION OPTIONS

> Anyone assessing a learner, or moderating the assessment of a learner, against this qualification must be registered as an assessor with the relevant ETQA, or with an ETQA that has a Memorandum of Understanding with the relevant ETQA.

> Any institution offering learning that will enable the achievement of this qualification must be accredited as a provider with the relevant ETQA, or with an ETQA that has a Memorandum of Understanding with the relevant ETQA.

> Assessment and moderation of assessment will be overseen by the relevant ETQA according to the policies and guidelines for assessment and moderation of that ETQA, in terms of agreements reached around assessment and moderation between various ETQAs (including professional bodies), and in terms

of the moderation guideline detailed immediately below.

> Moderation must include both internal and external moderation of assessments at all exit points of the qualification, unless ETQA policies specify otherwise. Moderation should also encompass achievement of the competence described both in individual unit standards as well as the integrated competence described in the exit level outcomes of the qualification.

Anyone wishing to be assessed against this qualification may apply to be assessed by any assessment agency, assessor or provider institution that is accredited by the relevant ETQA, or with an ETQA that has a Memorandum of Understanding with the relevant ETQA.

The options as listed above provide the opportunity to ensure that assessment and moderation can be transparent, affordable, valid, reliable and non-discriminatory. Iteration of the process and continued review and maintenance of this qualification will ensure development of the NQF and this framework in particular.

CRITERIA FOR THE REGISTRATION OF ASSESSORS

- > A minimum of two years of practical, relevant occupational experience.
- > Proven competency in all the outcomes of the appropriate Unit Standards as stipulated by SAQA.
- > A qualification in ERP, Administration or Management at NQF level 5 or above.

NOTES

N/A

UNIT STANDARDS

(Note: A blank space after this line means that the qualification is not based on Unit Standards.)

	UNIT STANDARD ID AND TITLE	LEVEL	CREDITS	STATUS
Core	117706 Apply the principles of business transactions within an ERP system	Level 4	6	Draft - Prep for P Comment
Core	117707 Apply an understanding of the operational components of an Enterprise Resource Planning (ERP) system	Level 4	7	Draft - Prep for P Comment
Core	117709 Demonstrate an understanding of high level business processes within an organisation	Level 4	5	Draft - Prep for P Comment
Core	117710 Participate in business process definition and continuous improvement	Level 4	6	Draft - Prep for P Comment
Core	117711 Understand the overall concept of an ERP solution	Level 4	5	Draft - Prep for P Comment
Core	117714 Provide feedback from an End User perspective on the operation of an ERP solution	Level 4	5	Draft - Prep for P Comment
Core	117718 Navigate and execute transactions within modules of an ERP Solution	Level 4	12	Draft - Prep for P Comment
Core	117729 Describe different business systems and their interdependence within an organisation	Level 4	5	Draft - Prep for P Comment
Core	117730 Describe the alignment of the business system to the business strategy and objectives	Level 4	4	Draft - Prep for P Comment
Elective	117708 Describe governance and control issues within business systems operations	Level 4	4	Draft - Prep for P Comment
Elective	117712 Troubleshoot an ERP system as an End User	Level 4	4	Draft - Prep for P Comment
Elective	117715 Apply the Key Performance Indicators (KPI) of ERP transactions to end-user tasks	Level 4	4	Draft - Prep for P Comment
Elective	117716 Demonstrate an understanding of the impact of an ERP system in an organisation	Level 4	5	Draft - Prep for P Comment
Elective	117719 Define the role of the end-user during the Life cycle of the business solution	Level 4	6	Draft - Prep for P Comment
Fundamental	8968 Accommodate audience and context needs in oral communication	Level 3	5	Reregistered
Fundamental	8969 Interpret and use information from texts	Level 3	5	Reregistered
Fundamental	8970 Write texts for a range of communicative contexts	Level 3	5	Reregistered
Fundamental	8973 Use language and communication in occupational learning programmes	Level 3	5	Reregistered
Fundamental	7465 Collect and use data to establish complex statistical and probability models and solve related problems	Level 4	5	Registered
Fundamental	7483 Solve problems involving sequences and series in real and simulated situations	Level 4	2	Registered
Fundamental	8974 Engage in sustained oral communication and evaluate spoken texts	Level 4	5	Reregistered

Fundamental	8975 Read analyse and respond to a variety of texts	Level 4	5	Reregistered
Fundamental	8976 Write for a wide range of contexts	Level 4	5	Reregistered
Fundamental	8979 Use language and communication in occupational learning programmes	Level 4	5	Reregistered
Fundamental	9015 Apply knowledge of statistics and probability to critically interrogate and effectively communicate findings on life related problems	Level 4	5	Registered
Fundamental	9016 Represent analyse and calculate shape and motion in 2-and 3-dimensional space in different contexts	Level 4	4	Registered



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

1

Apply an understanding of the operational components of an Enterprise Resource Planning (ERP) system

SAQA US ID	UNIT STANDARD TITLE		
117707	Apply an understanding of the operational components of an Enterprise Resource Planning (ERP) system		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Generic Management		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Business, Commerce and Management Studies		Generic Management	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
BUS-HRS-0-SGB GM	Regular	Level 4	7

Specific Outcomes:

SPECIFIC OUTCOME 1

Explain the different environments that constitute an ERP system.

SPECIFIC OUTCOME 2

Perform basic navigation within an ERP system.

SPECIFIC OUTCOME 3

Understand and apply the system-wide concepts within the ERP system.

SPECIFIC OUTCOME 4

Demonstrate and apply an understanding of "configuration requirements" of an ERP system.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

2

Apply the Key Performance Indicators (KPI) of ERP transactions to end-user tasks

SAQA US ID	UNIT STANDARD TITLE		
117715	Apply the Key Performance Indicators (KPI) of ERP transactions to end-user tasks		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Generic Management		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Business, Commerce and Management Studies		Generic Management	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
BUS-HRS-4-SGB GM	Regular	Level 4	4

Specific Outcomes:

SPECIFIC OUTCOME 1

Define the term "KPI" and understand its importance.

SPECIFIC OUTCOME 2

Understand the KPI within a specific business process.

SPECIFIC OUTCOME 3

Establish how the KPI is measured in relation to a specific role.

SPECIFIC OUTCOME 4

Use measurement tools to benchmark individual performance against KPIs.

SPECIFIC OUTCOME 5

Establish the impact of non-compliance of the KPIs within an ERP system.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

3

Apply the principles of business transactions within an ERP system

SAQA US ID	UNIT STANDARD TITLE		
117706	Apply the principles of business transactions within an ERP system		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Generic Management	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Business, Commerce and Management Studies		Generic Management	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
BUS-HRS-4-SGB GM	Regular	Level 4	6

Specific Outcomes:

SPECIFIC OUTCOME 1

Map the ERP transaction with a specific functional area to the business process.

SPECIFIC OUTCOME 2

Analyse the interdependence of the transactions within a business process.

SPECIFIC OUTCOME 3

Relate business activities to specific ERP transactions within a specific functional area.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

4

Define the role of the end-user during the Life cycle of the business solution

SAQA US ID	UNIT STANDARD TITLE		
117719	Define the role of the end-user during the Life cycle of the business solution		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Generic Management		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Business, Commerce and Management Studies		Generic Management	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
BUS-HRS-4-SGB GISC	Regular	Level 4	6

Specific Outcomes:

SPECIFIC OUTCOME 1

Understand the role of the end-user during the various phases of an ERP implementation.

SPECIFIC OUTCOME 2

Relate the responsibilities of the end user to the different phases during the life cycle of the solution.

SPECIFIC OUTCOME 3

Participate in the various phases of the ERP implementation.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

5

Demonstrate an understanding of high level business processes within an organisation

SAQA US ID	UNIT STANDARD TITLE		
117709	Demonstrate an understanding of high level business processes within an organisation		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Generic Management	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Business, Commerce and Management Studies		Generic Management	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
BUS-HRS-4-SGB GM	Regular	Level 4	5

Specific Outcomes:

SPECIFIC OUTCOME 1

Demonstrate a basic understanding of the value chain and high-level business processes of the organisation.

SPECIFIC OUTCOME 2

Define the interfaces between business processes.

SPECIFIC OUTCOME 3

Understand how the business processes support the value chain.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

6

Demonstrate an understanding of the impact of an ERP system in an organisation

SAQA US ID	UNIT STANDARD TITLE		
117716	Demonstrate an understanding of the impact of an ERP system in an organisation		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Generic Management		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Business, Commerce and Management Studies		Generic Management	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
BUS-HRS-4-SGB GM	Regular	Level 4	5

Specific Outcomes:

SPECIFIC OUTCOME 1

Describe the effect of the introduction of an ERP system on the people in the organisation.

SPECIFIC OUTCOME 2

Describe the effect of the introduction of an ERP system on the processes in an organisation.

SPECIFIC OUTCOME 3

Analyse the effect of an ERP system on the information flow in an organisation.

SPECIFIC OUTCOME 4

Analyse the impact of the introduction of an ERP system on organisational silos (departments).



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

7

Describe different business systems and their interdependence within an organisation

SAQA US ID	UNIT STANDARD TITLE		
117729	Describe different business systems and their interdependence within an organisation		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Generic Management		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Business, Commerce and Management Studies		Generic Management	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
BUS-HRS-4-SGB GM	Regular	Level 4	5

Specific Outcomes:

SPECIFIC OUTCOME 1

Outline the components of a current business system.

SPECIFIC OUTCOME 2

Describe the linkages between different business systems.

SPECIFIC OUTCOME 3

Analyse an organisation with respect to linkages and interdependencies of its business systems.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

8

Describe governance and control issues within business systems operations

SAQA US ID	UNIT STANDARD TITLE		
117708	Describe governance and control issues within business systems operations		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Generic Management		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Business, Commerce and Management Studies		Generic Management	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
BUS-GMT-4-SGB GM	Regular	Level 4	4

Specific Outcomes:

SPECIFIC OUTCOME 1

Explain the need for governance and control in relation to business systems.

SPECIFIC OUTCOME 2

Identify the policies and procedures related to a business process.

SPECIFIC OUTCOME 3

Describe legislation that impacts on the business processes within an industry.

SPECIFIC OUTCOME 4

Describe how governance and control measures are enforced within a business.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

9

Describe the alignment of the business system to the business strategy and objectives

SAQA US ID	UNIT STANDARD TITLE		
117730	Describe the alignment of the business system to the business strategy and objectives		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Generic Management		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Business, Commerce and Management Studies		Generic Management	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
BUS-HRS-4-SGB GM	Regular	Level 4	4

Specific Outcomes:

SPECIFIC OUTCOME 1

Relate the organisation's vision and mission to its objectives.

SPECIFIC OUTCOME 2

Analyse the key elements of the business strategy of the organisation.

SPECIFIC OUTCOME 3

Describe how the business systems support the organisation's strategy and objectives.

SPECIFIC OUTCOME 4

Relate the alignment of a business process to the overall business system strategy.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

10

Navigate and execute transactions within modules of an ERP Solution

SAQA US ID	UNIT STANDARD TITLE		
117718	Navigate and execute transactions within modules of an ERP Solution		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Generic Management		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Business, Commerce and Management Studies		Generic Management	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
BUS-HRS-4-SGB GM	Regular	Level 4	12

Specific Outcomes:

SPECIFIC OUTCOME 1

Examine the end-to-end process related to the role of the End User.

SPECIFIC OUTCOME 2

Identify End User responsibilities (functions/tasks/ roles) within a (broad) business process.

SPECIFIC OUTCOME 3

Execute the transaction related to the End User.

SPECIFIC OUTCOME 4

Verify that transactions have been accurately executed and completed.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

11

Participate in business process definition and continuous improvement

SAQA US ID	UNIT STANDARD TITLE		
117710	Participate in business process definition and continuous improvement		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Generic Management	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Business, Commerce and Management Studies		Generic Management	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
BUS-HRS-4-SGB GM	Regular	Level 4	6

Specific Outcomes:

SPECIFIC OUTCOME 1

Describe the way in which a business process is defined.

SPECIFIC OUTCOME 2

Identify opportunities for business process improvement.

SPECIFIC OUTCOME 3

Understand the concept of flowcharts for business processes.

SPECIFIC OUTCOME 4

Draw up and evaluate the flowcharts of the organisation.

SPECIFIC OUTCOME 5

Document the elements of a business process.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

12

Provide feedback from an End User perspective on the operation of an ERP solution

SAQA US ID	UNIT STANDARD TITLE		
117714	Provide feedback from an End User perspective on the operation of an ERP solution		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Generic Management	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Business, Commerce and Management Studies		Generic Management	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
BUS-HRS-4-SGB GM	Regular	Level 4	5

Specific Outcomes:

SPECIFIC OUTCOME 1

Demonstrate the value of End User feedback with respect to an ERP solution.

SPECIFIC OUTCOME 2

Outline major operational problem areas experienced by an End User relating to an ERP solution.

SPECIFIC OUTCOME 3

Analyse solutions that were provided.

SPECIFIC OUTCOME 4

Propose corrective measures to prevent similar problems recurring.

SPECIFIC OUTCOME 5

Propose End User driven continuous improvements with respect to ERP system functionality.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

13

Troubleshoot an ERP system as an End User

SAQA US ID	UNIT STANDARD TITLE		
117712	Troubleshoot an ERP system as an End User		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Generic Management		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Business, Commerce and Management Studies		Generic Management	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
BUS-HRS-4-SGB GM	Regular	Level 4	4

Specific Outcomes:

SPECIFIC OUTCOME 1

Analyse error messages.

SPECIFIC OUTCOME 2

Establish the underlying cause by following guidelines within the error message.

SPECIFIC OUTCOME 3

Apply appropriate remedial action within the scope of the End User.

SPECIFIC OUTCOME 4

Analyse call centre feedback on problem areas.

SPECIFIC OUTCOME 5

Formulate appropriate detailed description of the problem.

SPECIFIC OUTCOME 6

Identify and apply appropriate problem-reporting guidelines within the scope of the End User.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

14

Understand the overall concept of an ERP solution

SAQA US ID	UNIT STANDARD TITLE		
117711	Understand the overall concept of an ERP solution		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Generic Management		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Business, Commerce and Management Studies		Generic Management	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
BUS-HRS-4-SGB GM	Regular	Level 4	5

Specific Outcomes:

SPECIFIC OUTCOME 1

Explain how an ERP solution integrates various system-wide business processes.

SPECIFIC OUTCOME 2

Explain the evolution of a current ERP solution.

SPECIFIC OUTCOME 3

Understand the overall architecture of an ERP System.

SPECIFIC OUTCOME 4

Explain the concept of configuring and customising an ERP system.

No. 1418

10 December 2004

Postnet Suite 248
Private Bag X 06
WATERKLOOF
0145

1067 Arcadia Street
HATFIELD
0028

Tel: +27 (0) 12 431 5000
Fax: +27 (0) 12 431 5144



Established in terms of Act 58 of 1995

30 November 2004

The South African Qualifications Authority in terms of the National Standards Body Regulations (Government Gazette No. 18787) published on 28 March 1998, hereby give notice of additional names of the following Standards Generating Body:

NSB 04: COMMUNICATION STUDIES AND LANGUAGES

Additional Names for the BA Generic Degree

NOMINEE	WORKPLACE	NOMINATING BODY	EXPERIENCE/QUALIFICATIONS
Henning Snyman	University of Cape Town	SGB for BA Generic Degree	BA (Hons) – Stellenbosch; PhD at UCT; D. Litt at UCT; Currently Professor, Senior Research Scholar and Chair of Graduate Studies of the Research Committee at UCT; member of various committees post-graduate committees at UCT; was a Lecturer at UWC and University of Stellenbosch.

Additional Name for the Audio Visual and Media Production SGB

NOMINEE	WORKPLACE	NOMINATING BODY	EXPERIENCE/QUALIFICATIONS
Marlene Snyman	SABC	SGB Audio Visual and Media Production	BA, Higher Diploma in Librarianship, Currently involved in Operations Training at the SABC; has experience as an HR practitioner; Administration coordinator for training and

SAQA'S MISSION

"To ensure the development and implementation of a National Qualifications Framework which contributes to the full development of each learner and to the social and economic development of the nation at large."

			development; Administrative Executive at CSIR and Senior Contracts Officer at SASOL.
--	--	--	--

Resignation

Tonie Engelbrecht

**JOE SAMUELS**

DIRECTOR: STANDARDS SETTING AND DEVELOPMENT

SAQA'S MISSION

"To ensure the development and implementation of a National Qualifications Framework which contributes to the full development of each learner and to the social and economic development of the nation at large."

No. 1419

10 December 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 qualifications for public comment.

This notice contains the titles, fields, sub-fields, NQF levels, credits, and purpose of qualifications. The qualifications 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 9 January 2005***. All correspondence should be marked **Standards Setting – SGB Building Construction** and addressed to

The Director: Standards Setting and Development
SAQA

Attention: Mr. D Mphuthing
Postnet Suite 248
Private Bag X06
Waterkloof
0145

or faxed to 012 – 431-5144
e-mail: dmphuthing@saga.co.za

JOE SAMUELS
DIRECTOR: STANDARDS SETTING AND DEVELOPMENT



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

QUALIFICATION:

Bachelor's Degree: Quantity Surveying

SAQA QUAL ID	QUALIFICATION TITLE		
49094	Bachelor's Degree: Quantity Surveying		
SGB NAME	SGB Building Construction		
NSB ACRONYM	PROVIDER NAME		
NSB 12			
QUAL TYPE		SUBFIELD	
National First Degree		Physical Planning, Design and Management	
ABET BAND	MINIMUM CREDITS	NQF LEVEL	QUALIFICATION CLASS
Undefined	360	Level 6	Regular-ELOAC

PURPOSE OF THE QUALIFICATION

The principal purposes of the Qualification are to:

- > Provide learners with qualifying-level knowledge, skills and competence appropriate to a vocation as a Quantity Surveyor
- > Equip learners with a foundation for further intellectual development and opportunities for gainful employment and rewarding contributions to society
- > Provide learners with the ability to solve well defined and frequently encountered problems using well established procedures and techniques
- > Contribute towards meeting the prerequisites for statutory registration with the South African Council for the Quantity Surveying Profession as a Professional Quantity Surveyor (PrQS) or Candidate Quantity Surveyor (CandidateQS) in terms of Sections 18.(1)(a) and (b) of the Quantity Surveying Profession Act 2000 (No 49 of 2000)

This Qualification will provide the quantity surveying and related professions in South Africa with graduates who possess contextually specific fundamental skills, thereby facilitating upliftment, empowerment and transformation.

The relation between this Qualification and the principles of the National Qualifications Framework (NQF):

- > Recognition of Prior learning: Allows for Recognition of Prior Learning, especially as a means of career advancement
- > Articulation/Progression: Forms part of a Learning Pathway of whole Qualifications for Quantity Surveying
- > Life-Long learning: The purpose of this Qualification is to produce learners who are prepared for and understand the principles of:
 - Life-long learning
 - Critical citizenship

Rationale for the qualification:

This Qualification denotes competence in the application of fundamental expertise in the theory and practice of quantity surveying relating to the financial and contractual management of new and existing facilities in the built environment.

The Bachelor's Degree in Quantity Surveying is for persons who:

- > Desire to study towards a vocation in the Quantity Surveying profession.
- > Meet the admittance requirements as candidates for the qualification, or the appropriate Recognition of Prior Learning (RPL) requirements
- > Satisfy the requirements for the award of the qualification
- > Desire to undertake post-graduate study leading to the enhancement of their Qualification

This Qualification is intended to assist all relevant stakeholders and role-players, such as potential employers operating in the Built Environment or other fields related to physical planning and construction, curriculum developers and providers of learning programmes, all education and training bodies and relevant moderators as well as learners and their parents, to understand the criteria determining the level and the outcomes associated with the Bachelors Degree in Quantity Surveying.

This qualification is bound by fundamental, discipline-specific knowledge and has been developed by consensus on the complexity of learning and competencies to be acquired by learners undertaking the programme of study, who will be empowered to build learning programmes with a view to articulate towards other Qualifications associated with the Built Environment

This 3-year Bachelor's Degree in Quantity Surveying (NQF level 6) is the new qualification which intends to serve as the prerequisite qualification needed for entry to the 1-year programme leading to the award of the qualification of the Honours Degree in Quantity Surveying (NQF level 7), the combination of the "3-year + 1-year" qualifying Qualifications will replace the previous four-year programme formerly designated as "Bachelor of Science in Quantity Surveying".

The Bachelor's Degree in Quantity Surveying can serve as the prerequisite Qualification needed for entry to the programme leading to the award of the Honours Degree in Quantity Surveying at NQF level 7 and contributes towards meeting the requirements for professional registration.

This Qualification will contribute towards the development of a community of competent Quantity Surveyors and is essential for social and economic transformation, empowerment and upliftment within the context of the Built Environment.

RECOGNIZE PREVIOUS LEARNING?

Y

LEARNING ASSUMED TO BE IN PLACE

- > Reading and writing proficiency in the required medium of instruction
- > Proficiency in algebra, geometry and trigonometry
- > Demonstrable knowledge and skills in at least three other discrete subject areas such as, but not limited to, Physical Science, Biology, Geography, History, Economics, Technical Drawing, Woodwork, Metalwork, Information Technology; all at a level equivalent to that required for the award of a Grade 12 or equivalent certificate with university exemption.

Recognition of Prior Learning

Persons desiring entrance to the programme leading to this Qualification are

- > Advised, assisted and supported (portfolio compilation, orientation to required levels of competence, substantiation of their claims regarding prior skills / experience, planning of progression)
- > Evaluated and assessed in accordance with their claims regarding prior skills and experience gained

(portfolio review, implementation of assessment / evaluation methods, recommendations arising from the assessment / evaluation processes)

> Provided with quality management / assurance objectives to support the achievement of competence leading to the award of the Qualification (assessment of competence in respect of required outcomes, auditing, approval, recommendation, reporting).

QUALIFICATION RULES

It is required that students must satisfy minimum standards in core skills including: scientific reasoning; communication skills in the context of a science discipline or sub-field; numeracy; and computer skills. These competencies are fundamental to achieving the purpose of this Qualification. In addition, for programmes of learning for this Qualification, due consideration should be given to the learner's depth and breadth of knowledge. It is important that breadth is achieved through the appreciation of a scientific discipline different in content and method from the one in which the learner will specialise.

The exit level outcomes have been grouped into Fundamental, Core and Elective learning components.

EXIT LEVEL OUTCOMES

1. Analyse and solve well-defined and frequently encountered problems related to the built environment
2. Deal with fundamental commercial, entrepreneurial and management issues related to the built environment
3. Interpret and apply fundamental economic and legal principles within the context of the built environment
4. Use and apply information technology
5. Execute tasks requiring numerical and quantification expertise
6. Apply knowledge of technology within the context of the built environment
7. Communicate effectively on all matters to which their skills and competencies have been applied

There are no interim exit level outcomes. The award of the Qualification follows successful completion of the full qualification programme (taking into account that core knowledge related to quantity surveying is appropriately represented in the learning programme). However, learners are awarded credits for each individual programme component, which on completion, meets the stated assessment criteria. These credits support portability, learners' mobility and articulation.

Bachelor's Degree in Quantity Surveying qualifying learners are competent to:

- > Demonstrate familiarity with and display knowledge and understanding of the content, theory and scholarly positions related to quantity surveying practice and procedure at a fundamental level.
- > Demonstrate systematic, well-rounded knowledge and an ability to question basic assumptions related to core theory, practice and basic methodology used in quantity surveying and other disciplines operating in the Built Environment
- > Display competence in fundamental modes of inquiry employed in the practice of quantity surveying and other disciplines operating in the Built Environment, in response to well defined and frequently encountered problems
- > Analyse and locate the principles and performance of own work within current practice related to the Built Environment professions and the construction industry

- > Interpret a wide range of domain-related, well-defined and frequently encountered issues by applying various systems of enquiry appropriate to the discipline of quantity surveying and its allied professions
- > Construct debate and argument around well-defined and frequently encountered information and situations, to demonstrate competence in interpretation and explanation of such information, etc
- > Prepare written reports in response to well-defined briefs and within specific fundamental parameters.
- > Apply fundamental expertise in the theory and practice of quantity surveying relating to the financial and contractual management of new and existing facilities in the built environment.

Exit level outcomes relating to Fundamental learning

On completion of this programme, qualifying learners will be capable of the following:

- (i) Communicate effectively with Built Environment audiences and the community at large using both oral and written skills.
- (ii) Display critical awareness of the impact of Built Environment activity on society and the environment and the skill to exercise appropriate judgement in the provision of professional services
- (iii) Demonstrate competence in working effectively as individuals and in teams in construction project environments by showing leadership potential and performing critical support functions.
- (iv) Display awareness of the need to:
 - > Act professionally and ethically,
 - > Take responsibility for those actions
 - > Accept accountability for those actions
 - > Exercise judgement commensurate with knowledge and experience
- (v) Demonstrate competence in the implementation of quantitative methods, technology, economics, finance, management and law, from first principles, to solving well-defined and frequently encountered problems within the context of the Built Environment.
- (vi) Demonstrate competence in the implementation of procedural analysis of well-defined and frequently encountered problems occurring within the Built Environment related to systems, products or processes.
- (vii) Demonstrate competence in undertaking and completing investigations and data analysis in the construction sector.
- (viii) Demonstrate competence in the use and application of appropriate problem-solving methods, skills and tools (which include the use of computer packages) for computation, analysis and handling of information in the Built Environment.

Exit level outcomes relating to Core learning

Qualifying learners will be capable of performing specific quantity surveying functions related to:

- > Prepare and manage tender and contractual documents for construction projects
- > Implement the contractual management of construction projects
- > Prepare estimates of cost for construction projects
- > Implement the financial management of construction projects
- > Evaluate economic issues concerning the construction and property sectors at both micro- and macro-

levels

- > Evaluate alternative property investment options, including market analyses
- > Communicate with construction and property professionals concerning:
 - Spatial concepts
 - Economic, financial and contractual matters
 - Construction assembly problems
 - Sustainability concepts
 - Health and safety matters

Exit level outcomes relating to Elective learning:

Qualifying learners will be capable of performing specific quantity surveying functions related to:

The Elective learning component would be determined by the learner's chosen area of specialisation and the chosen institution. Such areas of specialization might, for example, include any of the following: mining, low-income housing, mechanical and electrical services, and civil engineering.

ASSOCIATED ASSESSMENT CRITERIA

Assessment criteria relating to Fundamental learning:

Exit level outcomes will be judged by the following associated assessment criteria:

(i) Qualifying learners will be required to demonstrate competence in the following skills:

- > Production of documents and reports according to industry norms.
- > Delivery of an oral presentation that appropriately describes both a frequently encountered Built Environment problem and a range of alternative well defined solutions to the problem under consideration.
- > Proposal of alternative methodologies which could be applied to achieving the range of proposed solutions.

(ii) Qualifying learners will be required to demonstrate competence in the following: Implementation of

- > Plans, strategies and actions that benefit society in fair and equitable ways that improve the quality of life in the Built Environment.

- > Economically viable solutions to problems encountered in the course of planning and executing construction / property development projects, which take cognisance of the need for protection of the environment.

(iii) Qualifying learners will be required to demonstrate competence in implementing solutions to well defined and frequently encountered problems in the Built Environment, supported by demonstration of their own

- > Contribution to the achievement of those solutions in the Built Environment;
- > Benefits of interaction with other role players in achieving those solutions in the Built Environment; and
- > Successful interaction with stakeholders affected by construction.

(iv) Qualifying learners will be required to demonstrate competence in exercising

- > Ethics in the workplace; and
- > Codes of professional conduct.

(v) Qualifying learners will be required to demonstrate competence in the implementation of

- > Quantitative data analysis;
- > Qualitative data analysis and provide
- > Solutions to a variety of well defined and frequently encountered problems within the context of the Built Environment

(vi) Qualifying learners will be required to implement solutions to well defined and frequently encountered problems within the context of the Built Environment, which are successful in terms of being

- > Fit for purpose;
- > Innovative and
- > Economically viable.

(vii) Qualifying learners will be required to demonstrate competence in translating well defined and frequently encountered problems within the context of the Built Environment into well-planned solutions devised to provide data that are

- > Quantitative; and
- > Qualitative; and
- > That are capable of being analysed to provide solutions.

(viii) Qualifying learners will be required to demonstrate a

- > Good working knowledge of analytical methods and a
- > High level of computer literacy.

(b) Assessment criteria relating to Core learning:
Outcomes will be judged by the following criteria:

Learners will be required to demonstrate fundamental competence in dealing with issues and problems related to the following aspects of the construction sector:

- > Economic
- > Financial
- > Managerial
- > Legal
- > Technological
- > Construction assembly

Assessment criteria relating to elective learning:

Outcomes will be judged by learners' ability to apply the core quantity surveying learning in the chosen area(s) of specialization, examples of which are provided in category (c) of the Exit Level Outcomes.

Integrated assessment:

Learning and assessment are integrated throughout the programme. Continuous formative assessment is applied to ensure that learners receive feedback on their progress towards the achievement of specific learning outcomes. Summative assessment concerned with the evaluation of the learning achievements relative to the exit-level outcomes of the qualification includes "overall integrated assessment" which evaluates the learner's ability to combine the various components and modules of the broader scope of knowledge, skills, competencies and attitudes represented by the exit-level outcomes, as a whole or as individual component-processes of the overall learning experience leading to the Qualification

(i) A variety of assessment methods are combined to collect evidence of

- > Exit level outcomes having been attained
- > Competence to apply the integrated knowledge, skills and values/attitudes gained from the learning programme leading to the award of the Qualification

(ii) The combination of assessment methods may include

- > Adjudication of portfolios
- > Evaluation of simulations (group and individual)
- > Assessment of assignments and tutorials (group and individual)

- > Work-place assessment
- > Written examinations
- > Evaluation of reports and essays
- > Oral examinations and interviews
- > Assessment of competence achieved relative to exit, general and specific outcomes associated with the Qualification.

INTERNATIONAL COMPARABILITY

The quality of this Qualification is subject to a 5-yearly process of international accreditation and is ranked amongst similar, sought-after Qualifications within the context of the Built Environment (certificates / diplomas / degrees) awarded by tertiary institutions eg Australia, Hong Kong, Kenya, New Zealand, Nigeria and the United Kingdom. This Qualification is also recognised by the Royal Institution of Chartered Surveyors (RICS) and the Chartered Institute of Building International (CIOB), which are represented in many countries worldwide. These bodies are involved in the quality assurance of South African qualifications via periodical visits to educational institutions. In addition, this Qualification would be subject to annual quality review by the South African Council for the Quantity Surveying Profession, in consultation with the South African Qualifications Authority and the Council on Higher Education.

ARTICULATION OPTIONS

This Qualification provides career-path advancement articulation options leading to the award of a variety of Honours Qualifications within the context of the Built Environment.

Learners will also have career path articulation options, leading to a variety of other Degrees in fields such as Project Management, Construction Management, Commerce, Housing Development, Information Technology, Property Studies, Facilities Management, etc.

MODERATION OPTIONS

Moderation and accreditation options include:

- > Peer review (academic - interdisciplinary)
- > Peer review (work-place practitioners - interdisciplinary)
- > Accreditation of qualifications by statutory Councils (South African Council for the Quantity Surveying Profession, in terms of the Quantity Surveying Profession Act No 49 of 2000) and international institutions (e.g. Royal Institution of Chartered Surveyors and the Chartered Institute of Building International, both domiciled in England). The actual accreditation process will vary depending upon the specific requirements of the accrediting body. Typically it will involve the submission of external examiners reports, interim accreditation visits by appointed external moderators, and a main accreditation visit every five years.
- > Assessment of competence by external, statutory Councils (South African Council for the Quantity Surveying Profession, in terms of the Quantity Surveying Profession Act No 49 of 2000)
- > Assessment of competence by international institutions (e.g. Chartered Institute of Building International and Royal Institution of Chartered Surveyors, both domiciled in England)

CRITERIA FOR THE REGISTRATION OF ASSESSORS

Examiners / assessors are appointed in a manner which is consistent with the quality assurance system of the institution as per regulation. The assessor should at least be competent at the same level or be at a level above this level 6 Qualification with at least two years of practical experience in the quantity surveying or related environment. The assessor needs to be competent in planning, conducting and providing

feedback on assessment of learning outcomes and in the design and development of assessments as described in the qualification. The assessor should possess well-developed interpersonal skills and subject matter expertise and should understand various assessment methods and strategies.

NOTES

Specified requirements:

Specified requirements include legal and legislative specific requirements and are contained in one or more of the following documents:

Regulations:

Occupational Health and Safety Act: Construction Regulations, published in Government Gazette No 25207, Regulation Gazette 7721, 18 July 2003

Legal:

- Act 1: Natural Scientific Professions Act (No 27 of 2003)
- Act 2: Natural Environment Management Protected Areas Act (No 57 of 2003)
- Act 3: Quantity Surveying Profession Act (No 49 of 2000)
- Act 4: Project and Construction Management Professions Act (No 48 of 2000)
- Act 5: Council for the Built Environment Act (No 43 of 2000)
- Act 6: Occupational Health and Safety Act (No 85 of 1993)
- Act 7: Compensation for Occupational Injuries and Diseases Act (No 130 of 1993)
- Act 8: South African Qualifications Authority Act (No 58 of 1995)
- Act 9: Skills Development Act (No 97 of 1998)
- Act 10: Environmental Conservation Act (No 73 of 1989), and all subsequent amendments.

UNIT STANDARDS

(Note: A blank space after this line means that the qualification is not based on Unit Standards.)



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

QUALIFICATION:

Doctor of Philosophy (PhD): Built Environment

SAQA QUAL ID	QUALIFICATION TITLE		
49095	Doctor of Philosophy (PhD): Built Environment		
SGB NAME	SGB Building Construction		
NSB ACRONYM	PROVIDER NAME		
NSB 12			
QUAL TYPE		SUBFIELD	
Doctoral Degree		Physical Planning, Design and Management	
ABET BAND	MINIMUM CREDITS	NQF LEVEL	QUALIFICATION CLASS
Undefined	360	Level 8 and above	Regular-ELOAC

PURPOSE OF THE QUALIFICATION

The principal purposes of the Qualification are:

- (i) To provide advanced training in research methods and procedures appropriate to the built environment;
- (ii) To facilitate advanced, prescribed study as appropriate;
- (iii) To produce qualified persons
 - > Who are capable of undertaking research at an advanced level
 - > Whose work will be to the advantage of the national economy
 - > Who possess the capacity of independent work on advanced research projects
 - > Who are competent to work as educators and researchers in institutions of higher learning
 - > With the capacity to work in teams appointed to conduct advanced research in the context of the built environment.
 - > For employment in fields of economic activity related to the built environment.

This Qualification will enhance the body of knowledge pertaining to the built environment in South Africa through the pursuance of research-based enquiry and the dissemination of information.

The relation between this Qualification and the principles of the National Qualifications Framework (NQF):

- > Recognition of Prior learning: Allows for Recognition of Prior Learning, especially as a means of career advancement
- > Articulation/Progression: Forms part of a Learning Pathway of whole qualifications for Quantity Surveying and related disciplines in the context of the built environment.
- > Life-Long learning: The purpose of this Qualification is to produce learners who are prepared for and understand the principles of:
 - Life-long learning
 - Critical citizenship
 - Lateral, critical and creative thinking
 - A wide range of issues which are crucial to the welfare of the society

Rationale for the qualification:

This qualification is based on research and is awarded for a substantial and original contribution to the discipline. Research, and other such advanced study as may be required, is undertaken under the guidance of a supervisor or supervisors appointed for that purpose.

The Doctor of Philosophy in the context of the Built Environment is for persons who:

- > Meet the admittance requirements;
- > Satisfy the requirements for the award of the qualification; and
- > Desire to undertake research and specified study at an advanced level.

This Qualification is intended to assist all relevant stakeholders and role-players, such as potential employers operating in the built environment or other fields related to physical planning and construction, curriculum developers and providers of learning programmes, all education and training bodies and relevant moderators as well as learners and their parents, to understand the criteria determining the level and the outcomes associated with the Doctor of Philosophy in the context of the built environment.

This Qualification will enhance the body of knowledge pertaining to the built environment and related fields in South Africa.

RECOGNIZE PREVIOUS LEARNING?

Y

LEARNING ASSUMED TO BE IN PLACE

- > A Qualification at Master's-level, or equivalent
- > Prior experience in research
- > Demonstrable competence for analytical thought at a level appropriate to the carrying out of advanced independent research and advanced study (as appropriate)
- > Good communication skills.

Recognition of prior learning (RPL):

Persons desiring entrance to the programme leading to this Qualification are

- > Advised, assisted and supported (portfolio compilation, orientation to required levels of competence, substantiation of their claims regarding prior skills / experience, planning of progression)
- > Evaluated and assessed in accordance with their claims regarding prior skills and experience gained (portfolio review, implementation of assessment / evaluation methods, recommendations arising from the assessment / evaluation processes)
- > Provided with quality management / assurance objectives to support the achievement of competence leading to the award of the Qualification (assessment of competence in respect of required outcomes, auditing, approval, recommendation, reporting).

QUALIFICATION RULES

There will be a minimum of 360 credits awarded for the Qualification. The Qualification is obtained by the successful completion of a research thesis. Since this is a post-graduate Qualification in a specialised area, all the credits are allocated to elective learning, with fundamental and core learning being assumed.

EXIT LEVEL OUTCOMES

There are no interim exit levels. The Qualification is awarded on completion of the programme requirements and on completion, qualifying learners will be competent to:

- > Demonstrate a thorough grounding in epistemological issues and research methods
- > Demonstrate a thorough familiarity with the relevant literature
- > Demonstrate their capacity for independent execution of the following research tasks:
 - > Writing a research proposal
 - > Using literature to identify the theoretical issues pertaining to the proposal
 - > Formulating precise research questions
 - > Selecting or devising appropriate research methods
 - > Executing the research
 - > Critical analysis of the results and findings emanating from the research
 - > Writing up the research
- > Demonstrate competence in carrying out research of a quality suitable for publication in international peer-reviewed journals (i.e. research that significantly contributes to knowledge).

ASSOCIATED ASSESSMENT CRITERIA

Qualifying learners will be required to demonstrate:

- > Their understanding of epistemological and methodological issues in drafting a research thesis
- > Their thorough and critical familiarity with the relevant literature
- > Their competence in respect of advanced research such that:
 - A research proposal is written in accordance with built environment norms
 - A critical literature review is conducted in accordance with built environment norms
 - Precise research questions are structured in accordance with built environment norms
 - Appropriate research methods are selected or devised in accordance with built environment norms
 - The research is executed in accordance with built environment norms
 - Results emanating from the research are critically analysed in accordance with built environment norms
 - The research thesis is written in accordance with built environment norms
 - That their work meets the prerequisite standards for publication in international peer-reviewed journals (i.e. research that significantly contributes to knowledge).

Integrated assessment:

The evaluation of the thesis is formative in character and synoptically assesses all outcomes. In each case, external examiners submit formal reports on the thesis, which are made available to the candidate

INTERNATIONAL COMPARABILITY

An accepted Doctoral thesis is expected to be of a standard and rigour comparable with international benchmarks. The required quality standards are assured by the design of external examination systems associated with Doctoral degree programmes

ARTICULATION OPTIONS

A PhD is the highest academic qualification attainable, therefore articulation possibilities do not apply. However, while the possibility exists that learners who are admitted to programmes leading to the awarding of Master's qualifications (by virtue of the quality of the work executed) may be permitted to change their respective candidatures to those for a PhD award, retrospective registration is not normally permitted.

MODERATION OPTIONS

A Doctoral thesis is examined by at least two examiners external to the university concerned. External examiners and supervisors of doctoral research should ideally themselves be in possession of a doctorate. The external examiners/assessors and supervisory academic staff of the university concerned will be appointed in a manner consistent with the quality assurance system of the institution.

Accreditation options are not applicable to research doctoral programmes.

CRITERIA FOR THE REGISTRATION OF ASSESSORS

Examiners / assessors are appointed in a manner which is consistent with the quality assurance system of the institution

NOTES

An original contribution to knowledge is a fundamental requirement of a programme leading to a Doctoral Qualification. No work will be accepted which has been accepted by another academic institution for the purpose of obtaining a Qualification. The examination consists primarily of an assessment of the written thesis, but may be supplemented by a written or oral examination on the subject of the work presented

Supplementary information:

A thesis may not be submitted more than twice for examination

Specified requirements

Specified requirements include legal and legislative specific requirements and are contained in one or more of the following documents:

Regulations:

Occupational Health and Safety Act: Construction Regulations, published in Government Gazette No 25207, Regulation Gazette 7721, 18 July 2003

Legal:

- Act 1: Natural Scientific Professions Act (No 27 of 2003)
- Act 2: Natural Environment Management Protected Areas Act (No 57 of 2003)
- Act 3: Quantity Surveying Profession Act (No 49 of 2000)
- Act 4: Project and Construction Management Professions Act (No 48 of 2000)
- Act 5: Council for the Built Environment Act (No 43 of 2000)
- Act 6: Occupational Health and Safety Act (No 85 of 1993)
- Act 7: Compensation for Occupational Injuries and Diseases Act (No 130 of 1993)
- Act 8: South African Qualifications Authority Act (No 58 of 1995)
- Act 9: Skills Development Act (No 97 of 1998)
- Act 10: Environmental Conservation Act (No 73 of 1989), and all subsequent amendments

A glossary of terms about the terminology: Not applicable

CONTEXT SPECIFIC: Not applicable

User manuals supplied by manufacturers: Not applicable

Specifications, agreements and policies and procedures: Not applicable

UNIT STANDARDS

(Note: A blank space after this line means that the qualification is not based on Unit Standards.)



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

QUALIFICATION:

Master's Degree: Quantity Surveying (Built Environment)

SAQA QUAL ID	QUALIFICATION TITLE		
49096	Master's Degree: Quantity Surveying (Built Environment)		
SGB NAME	SGB Building Construction		
NSB ACRONYM	PROVIDER NAME		
NSB 12			
QUAL TYPE		SUBFIELD	
Doctoral Degree		Physical Planning, Design and Management	
ABET BAND	MINIMUM CREDITS	NQF LEVEL	QUALIFICATION CLASS
Undefined	120	Level 8 and above	Regular-ELOAC

PURPOSE OF THE QUALIFICATION

The principal purposes of the Qualification are:

- (i) To provide basic training in research methods and procedures appropriate to quantity surveying;
- (ii) To facilitate advanced, prescribed study as appropriate;
- (iii) To produce qualified persons
 - > Whose work will be to the advantage of the national economy
 - > With the capacity to work in teams appointed to conduct research in the discipline of quantity surveying.
 - > For employment in fields of economic activity related to the built environment
 - > With the capacity to work at an advanced level in the discipline of quantity surveying; and
- (iv) To provide appropriately qualified persons with opportunities for career-path advancement /articulation routes leading to admission to PhD qualifications.

This Qualification will enhance the body of knowledge pertaining to quantity surveying in South Africa through the pursuance of research-based enquiry and dissemination of information via dynamic post-graduate courses

The relation between this Qualification and the principles of the National Qualifications Framework (NQF):

- > Recognition of Prior learning: Allows for Recognition of Prior Learning, especially as a means of career advancement
- > Articulation/Progression: Forms part of a Learning Pathway of whole qualifications for Quantity surveying,
- > Life-Long learning: The purpose of this Qualification is to produce learners who are prepared for and understand the principles of:
 - Life-long learning
 - Critical citizenship
 - Lateral, critical and creative thinking
 - A wide range of issues which are crucial to the welfare of the society

Rationale for the qualification:

This Qualification is achieved within in the discipline of quantity surveying and may be obtained by completing

- > A research thesis
- or
- > Advanced study of prescribed coursework and a research dissertation

The Qualification is research-based and includes such advanced study as may be specified, under the guidance of a supervisor or supervisors appointed for that purpose.

The Masters Degree in Quantity surveying and related fields in the built environment is for persons who:

- > Meet the admittance requirements;
- > Satisfy the requirements for the award of the qualification; and
- > Desire to undertake research and specified study at an advanced level.

This Qualification is intended to assist all relevant stakeholders and role-players, such as potential employers operating in the built environment or other fields related to physical planning and construction, curriculum developers and providers of learning programmes, all education and training bodies and relevant moderators as well as learners and their parents, to understand the criteria determining the level and the outcomes associated with the Masters Degree in Quantity Surveying and related fields in the built environment.

The Masters Degree in Quantity Surveying and related fields in the built environment can serve as the prerequisite Qualification needed for entry to the Doctorate Qualification in the context of the built environment.

This Qualification will enhance the body of knowledge pertaining to quantity surveying and related fields in South Africa.

RECOGNIZE PREVIOUS LEARNING?

Y

LEARNING ASSUMED TO BE IN PLACE

- > A Qualification at Honours level, or equivalent
- > Prior experience in research
- > Competence in analytical thought at a level appropriate to the carrying out of independent research and advanced study
- > Good communication skills.

Recognition of Prior Learning:

Persons desiring entrance to the programme leading to this Qualification are

- > Advised, assisted and supported (portfolio compilation, orientation to required levels of competence, substantiation of their claims regarding prior skills / experience, planning of progression)
- > Evaluated and assessed in accordance with their claims regarding prior skills and experience gained (portfolio review, implementation of assessment / evaluation methods, recommendations arising from the assessment / evaluation processes)
- > Provided with quality management / assurance objectives to support the achievement of competence leading to the award of the Qualification (assessment of competence in respect of required outcomes, auditing, approval, recommendation, reporting).

QUALIFICATION RULES

There will be a minimum of 120 credits awarded for the Qualification. Three options exist for the awarding of credits:

1. Degrees by dissertation only: 120 credits for the successful completion of a research thesis
2. Part coursework - part dissertation Degrees: 60 credits for the successful completion of advanced study of prescribed coursework and 60 credits for the successful completion of a research dissertation
3. Part coursework - part dissertation Degrees: 90 credits for the successful completion of advanced study of prescribed coursework and the balance (30 credits) for the successful completion of a research dissertation

The apportioning of credits should reflect the purpose (area of specialisation) of the Qualification and the emphasis, which is placed on independent research.

Since this is a post-graduate Qualification in a specialised area, all the credits are allocated to elective learning, with fundamental and core learning being assumed

EXIT LEVEL OUTCOMES

There are no interim exit levels. The qualification is awarded on completion of the programme. The outcomes on completion of this Qualification will render qualifying learners who are competent to:

- > Demonstrate acquired skills following exposure to basic epistemological issues and research methods
- > Demonstrate familiarity with the relevant literature
- > Demonstrate their capacity for the execution of the following research tasks:
 - Writing a research proposal
 - Using literature to identify the theoretical issues pertaining to the proposal
 - Formulating precise research questions
 - Selecting or devising appropriate research
 - Executing the research
 - Critical analysis of the results and findings emanating from the research
 - Writing up the research
 - Undertaking study within quantity surveying or related built environment disciplines at an advanced level

ASSOCIATED ASSESSMENT CRITERIA

Qualifying learners will be required to demonstrate:

- > Their understanding of the basic principles of epistemological and methodological issues in drafting a dissertation
- > Their familiarity with the relevant literature
- > Their competence in respect of research such that:
 - A research proposal is written in accordance with construction industry norms
 - A critical literature review is conducted in accordance with construction industry norms
 - Precise research questions are structured in accordance with construction industry norms
 - Appropriate research methods are selected or devised in accordance with construction industry norms
 - The research is executed in accordance with construction industry norms
 - Results emanating from the research are critically analysed in accordance with construction industry norms
 - The research dissertation is written in accordance with construction industry norms
 - Study has been undertaken at an advanced level in accordance with the construction industry research writing standards

Integrated assessment:

In the case of part coursework - part dissertation programmes, where the outcome of the coursework demonstrates sufficient theoretical understanding of the principles which are prerequisite to undertaking research, both summative and formative evaluation methods are used for the coursework (examinations and projects). Evaluation of the dissertation is formative in character and synoptically assesses all outcomes

In the case of a Qualification awarded on the basis of a dissertation only, evaluation of the dissertation is formative in character and synoptically assesses all outcomes

In each case, examiners submit formal reports on the dissertation, which are made available to the candidate

INTERNATIONAL COMPARABILITY

An accepted Master's dissertation and associated specified study is expected to be of a standard and rigour comparable with international benchmarks. The required quality standards are assured by the design of external examination systems associated with Masters programmes.

ARTICULATION OPTIONS

Masters Qualifications provide articulation routes leading to admission to PhD studies.

Learners will also have career path articulation options with Masters Degrees in fields such as Project Management, Construction Management, Housing, Town Planning, Property Studies, Facilities Management, etc.

MODERATION OPTIONS

Masters dissertations are examined by at least two examiners external to the university concerned. External examiners and supervisors of Master's research should, ideally, themselves be in possession of a Master's degree

In the case of part coursework - part dissertation programmes, the coursework component (examinations and projects) is subject to both internal and external examination

Accreditation options include:

> Accreditation of qualifications by statutory Councils (e.g. South African Council for the Quantity Surveying Profession, in terms of the Quantity Surveying Profession Act No 49 of 2000) and international institutions (e.g. Royal Institution of Chartered Surveyors, domiciled in England). The actual accreditation process will vary depending upon the specific requirements of the accrediting body. Typically it will involve the submission of external examiners reports, interim accreditation visits by appointed external moderators, and a main accreditation visit every five years.

> Assessment of competence by external, statutory Councils (South African Council for the Quantity Surveying Profession, in terms of the Quantity Surveying Profession Act No 49 of 2000)

> Assessment of competence by international institutions (e.g. Royal Institution of Chartered Surveyors, domiciled in England)

CRITERIA FOR THE REGISTRATION OF ASSESSORS

Examiners / assessors are appointed in a manner which is consistent with the quality assurance system of the institution

NOTES

In the case of degrees by dissertation only, the thesis submitted shall constitute a rigorous research endeavour in the discipline of quantity surveying or a related field in the built environment. An original contribution to knowledge is not a requirement of a programme leading to a Masters Qualification. No work will be accepted which has been accepted by another academic institution for the purpose of obtaining a Qualification. The examination consists primarily of an assessment of the written dissertation, but may be supplemented by a written or oral examination on the subject of the work presented

In the case of part coursework - part dissertation programmes, a dissertation must be completed on the subject of the research project indicating an advanced study of applications, methods or theories, in some branch of the built environment AND specified prescribed courses at an advanced level

> Supplementary information:

> A dissertation may not be submitted more than twice for examination

Specified requirements

Specified requirements include legal and legislative specific requirements and are contained in one or more of the following documents:

Regulations:

Occupational Health and Safety Act: Construction Regulations, published in Government Gazette No 25207, Regulation Gazette 7721, 18 July 2003

Legal:

Act 1: Natural Scientific Professions Act (No 27 of 2003)

Act 2: Natural Environment Management Protected Areas Act (No 57 of 2003)

Act 3: Quantity Surveying Profession Act (No 49 of 2000)

Act 4: Project and Construction Management Professions Act (No 48 of 2000)

Act 5: Council for the Built Environment Act (No 43 of 2000)

Act 6: Occupational Health and Safety Act (No 85 of 1993)

Act 7: Compensation for Occupational Injuries and Diseases Act (No 130 of 1993)

Act 8: South African Qualifications Authority Act (No 58 of 1995)

Act 9: Skills Development Act (No 97 of 1998)

Act 10: Environmental Conservation Act (No 73 of 1989), and all subsequent amendments

A glossary of terms about the terminology: Not applicable

CONTEXT SPECIFIC: Not applicable

User manuals supplied by manufacturers: Not applicable

Specifications, agreements and policies and procedures: Not applicable.

UNIT STANDARDS

(Note: A blank space after this line means that the qualification is not based on Unit Standards.)

No. 1420

10 December 2004



Established in terms of Act 58 of 1995

SOUTH AFRICAN QUALIFICATIONS AUTHORITY (SAQA)

In order to proceed with the recognition of Standards Generating Bodies in terms of Government Regulations 19(1)(c) and 22(2) of 28 March 1998, National Standards Body 06, Manufacturing, Engineering and Technology, invites public comment with respect to *the acceptability of the nominees and the representativeness of the key education and training stakeholder interest groups* listed as SGB applicants below.

In addition, the NSB invite submissions from interested parties wishing to serve on such an SGB. Interested parties should take note of the section on SGB Information below.

All nominations/ applications should be accompanied by curricula vitae.

More information regarding this application may be obtained on the SAQA website or from the SAQA offices.

Comment should reach the NSB at the address below by not later than **16 January 2005**. All correspondence should be marked **SGB for Engineering** and be addressed to:

The Director: Standards Setting and
Development
SAQA
Attention: Mr. D Mphuthing
Postnet Suite 248
Private Bag X06
Waterkloof
0145
or faxed to 012 – 431-5144
e-mail: dmpthuthing@saqa.co.za

SGB INFORMATION

As a necessary step in the development and implementation of the National Qualifications Framework, The National Standards Bodies are briefed [regulation 19(1)(c) of 28 March 1998] to recognise or establish Standards Generating Bodies (SGBs).

SGBs shall:

- a. generate standards and qualifications in accordance with the Authority requirements in identified sub-fields and levels;
- b. update and review standards;
- c. recommend standards and qualifications to National Standards Bodies;
- d. recommend criteria for the registration of assessors and moderators or moderating bodies; and

- e. perform such other functions as may from time-to-time be delegated by their National Standards Body.

Any bodies wishing to nominate representatives, make application to serve on, or make any other submission with regard to the above SGB should note the following information.

SGBs should be composed of organisations, which shall be key education and training stakeholder interest groups and experts in the sub-field. The NSB, when making its final decisions will have due regard for, among other things, *'the need for representativeness and equity, redress and relevant expertise in terms of the work of the SGBs.'*

Organisations proposing to nominate persons to SGBs should be sensitive to the need for **equity** and **redress**, and shall nominate persons who-

- (a) will be able to consider issues of productivity, fairness, public interest and international comparability as related to education and training in the sub-field;
 - (b) enjoy credibility in the sub-field in question, who enjoy respect; have the necessary expertise and experience in the sub-field and have the support or backing of the nominating body;
 - (c) are able to advocate and mediate the needs and interests of all levels within the sub-field covered by the Standards Generating Body;
 - (d) are able to exercise critical judgement at a high level; and
 - (e) are committed to a communication process between the Standards Generating Body, the National Standards Body and the Constituency.
-

**NOTICE BY NSB 06, MANUFACTURING, ENGINEERING AND TECHNOLOGY TO RE-REGISTER
THE STANDARDS GENERATING BODY FOR ENGINEERING**

NSB 06 wish to re-register the SGB for Engineering for a period of three years, from 10 December 2004 until 10 December 2007.

PROPOSED BRIEF OF THE SGB

1. Develop learning pathways for potential qualifications and standards across the three subfields of the organising field 06, from Level 4 through to Level 8 in Engineering [Regulation 24 (1)(e)].
2. Generate the following qualifications and standards in accordance with Authority requirements, at NQF levels 4 to 8: [Regulation 24(1)(a)].

These would cover the following qualifications for engineering practitioners across the different disciplines:

- National Certificates in Engineering (levels 4 - 8)
- National Diplomas in Engineering (levels 6 - 8)
- National Degrees in Engineering (level 7-8)
- Masters Degrees in Engineering (level 8)

Including the following generic qualifications:

- Bachelors Degree in Engineering (BSc(Eng), BEng, BIng), NQF Level 7
- Bachelors Degree in Engineering Technology (B Tech), NQF Level 7
- National Diploma in Engineering (NDip), NQF Level 6
- National Diploma in Engineering, NQF level 5

Including the following specific qualifications:

- Certificate in Metrology, NQF level 5
 - Certificate in Lift Inspection, NQF Level 5
 - Certificate in Forensic Engineering, NQF Levels 5-7
 - Certificate in Value Engineering, NQF Level 5
 - Certificate in Clinical Engineering, NQF Level 5
 - Certificates in Non Destructive Testing, NQF levels 3-5
3. Recommend the qualifications and standards generated under 2 above to the National Standards Body [Regulation 24(1)(a)].
 4. Recommend criteria for the registration of assessors and moderators or moderating bodies [Regulation 24(1)(d)].
 5. Review these qualifications and unit standards and effect the necessary changes [Regulation 24(1)(b)].
 6. Maintain liaison, during the process of developing standards and qualifications, with other related Standards Generating Bodies as and when directed by NSB 06 [Regulation 24(1)(e)].

COMPOSITION OF THE SGB

Nominee	Workplace	Nominating Body	Experience/Qualifications
T Bleeker	INGWE Mine	South African Mine Professional Association	BEng (Mining); 19 years experience in mining engineering.
Du Toit Grobler	South African Pulp and Paper Industry	The Institution of Certificated Mechanical and Electrical Engineers of SA (ICMEESA)	BSc (Eng)(Elec); 31 years experience in electrical and mechanical engineering.
DJ van Niekerk	Siyazi Consultants	South African Institute of Mining and Metallurgy (SAIMM)	M Eng (Mining); 35 years experience in mining engineering.
R Reinecke	Consultant	South African Institute for Industrial Engineering (SAIIE)	D.(B&A); 46 years experience in consulting engineering including 21 years in education and training.
TE Stidworthy	Consultant	Institute of Professional Engineering Technologists (IPET)	NDip (Eng); 45 years experience in electrical engineering.
JJ de Koker	Spoornet	Institute of Professional Engineering Technologists (IPET)	Masters Diploma in Technology; 33 years experience in civil engineering.
V Nel	The Chamber of Engineering Technology	The Chamber of Engineering Technology (CET)	NDip (Eng); 43 years experience in broadcasting technology.
P Moncur	The Chamber of Engineering Technology	The Chamber of Engineering Technology (CET)	NDip (Eng); 39 years experience in mechanical engineering.
M Barley	Schindler Lifts	Engineering Technicians (Lifts)	NTC3, 36 years experience in lift mechanics including 4 as national training officer
S Sidney	National Laboratory Association	National Laboratory Association – Metrology (NLA)	HNDT4; 23 years commercial experience in the technology sector.
N Beute	Cape Technikon	Committee of Technikon Principals (CTP)	PhD; 41 years experience in electrical engineering including 31 in education and training; Dean of Engineering; Professor of Electrical Engineering.

FAO Otieno	Tshwane University of Technology	Committee of Technikon Principals (CTP)	PhD, MBA; 23 years in consulting engineering Dean of Engineering; Professor of Civil Engineering.
PL de Vaal	University of Pretoria	SA University Vice-Chancellors Association (SAUVCA)	PhD; 27 years experience in chemical engineering; Head: Department of Chemical Engineering; Professor of Chemical Engineering.
B Lacquet	University of the Witwatersrand (WITS)	South African Institute of Electrical Engineers (SAIEE)	D. Ing; 25 years experience in research and tertiary education; Professor of Electrical and Electronic Engineering.
L Beech	Northlink College	Committee of College Principals Organisation (SACPO)	NTC3; NHD; B Ed; 23 years experience in further education and training.
JC Pretorius	Rand Afrikaans University (RAU)	SA University Vice-Chancellors Association (SAUVCA)	D. Ing; 23 years experience in electrical and electronic engineering. Professor of Electrical and Electronic engineering.
L Maqgabi	Chemical Industries Education and Training Authority (CHIETA)	Chemical Industries Education and Training Authority (CHIETA)	BSc; 11 years experience in mechanical engineering.
G King	ESKOM	ESKOM	Nat N Dip; B Ed; 7 years experience in engineering; 18 years in further education training and HR.
G Brokenshire	Anglogold	Mining Qualifications Authority (MQA)	BSc (Eng); 33 years experience in electrical engineering including nine in the training field.
J Malatse	Department of Labour (DoL)	Department of Labour (DoL)	M Phil; 16 years experience in electrical engineering including 2 in education and training field; Director at DoL.
L van Rensburg	Department of Transport (DoT)	Department of Transport (DoT)	BSc (Eng); 33 years experience in engineering at middle and senior management level, including mentoring and HR.

No. 1421

10 December 2004



Established in terms of Act 58 of 1995

SOUTH AFRICAN QUALIFICATIONS AUTHORITY (SAQA)

In order to proceed with the recognition of Standards Generating Bodies in terms of Government Regulations 19(1)(c) and 22(2) of 28 March 1998, National Standards Body 02, Culture and Arts, invites public comment with respect to *the acceptability of the nominees and the representativeness of the key education and training stakeholder interest groups* listed as SGB applicants below.

In addition, the NSB invite submissions from interested parties wishing to serve on such an SGB. Interested parties should take note of the section on SGB Information below.

All nominations/ applications should be accompanied by curricula vitae.

More information regarding this application may be obtained on the SAQA website or from the SAQA offices.

Comment should reach the NSB at the address below by not later than **17 January 2005**. All correspondence should be marked **SGB for Sport and Fitness** and be addressed to:

The Director: Standards Setting and
Development
SAQA
Attention: Mr. D Mphuthing
Postnet Suite 248
Private Bag X06
Waterkloof
0145
or faxed to 012 431 5119
e-mail dmphuthing@saqa.co.za

SGB INFORMATION

As a necessary step in the development and implementation of the National Qualifications Framework, The National Standards Bodies are briefed [regulation 19(1)(c) of 28 March 1998] to recognise or establish Standards Generating Bodies (SGBs).

SGBs shall:

- a. generate standards and qualifications in accordance with the Authority requirements in identified sub-fields and levels;
- b. update and review standards;
- c. recommend standards and qualifications to National Standards Bodies;
- d. recommend criteria for the registration of assessors and moderators or moderating bodies; and

- e. perform such other functions as may from time-to-time be delegated by their National Standards Body.

Any bodies wishing to nominate representatives, make application to serve on, or make any other submission with regard to the above SGB should note the following information.

SGBs should be composed of organisations, which shall be key education and training stakeholder interest groups and experts in the sub-field. The NSB, when making its final decisions will have due regard for, among other things, *'the need for representativeness and equity, redress and relevant expertise in terms of the work of the SGBs.'*

Organisations proposing to nominate persons to SGBs should be sensitive to the need for **equity** and **redress**, and shall nominate persons who-

- (a) will be able to consider issues of productivity, fairness, public interest and international comparability as related to education and training in the sub-field;
 - (b) enjoy credibility in the sub-field in question, who enjoy respect; have the necessary expertise and experience in the sub-field and have the support or backing of the nominating body;
 - (c) are able to advocate and mediate the needs and interests of all levels within the sub-field covered by the Standards Generating Body;
 - (d) are able to exercise critical judgement at a high level; and
 - (e) are committed to a communication process between the Standards Generating Body, the National Standards Body and the Constituency.
-

**PUBLIC NOTICE BY NSB 02, CULTURE AND ARTS, TO REGISTER THE
SGB FOR SPORT AND FITNESS**

The National Standards Body (NSB) 02 hereby reregisters the brief of the SGB Sport and Fitness in the sub-field of Sport 21 July 2004 until 20 June 2007.

BRIEF OF THE SGB

1. Identify transformation, development, access and equity issues relevant to Sport and Fitness, develop mechanisms to include these issues within standards and qualifications as envisaged in (3) below [*Regulation 24 (1) (e)*].
2. Develop learning and career pathways for potential standards and qualifications in Sport and Fitness from level 1 through to level 4 [*Regulation 24 (1) (e)*].
3. Review, add to and update existing standards and qualifications in Sport and Fitness as required [*Regulation 24 (1) (b)*].
 - General Certificate in Sport, Recreation and Fitness (NQF 1)
 - National Certificate in Sport, Recreation and Fitness Leadership (NQF 4)
 - National Certificate in Coaching Science (NQF 5)
 - National Diploma in Coaching Science (NQF 5)
 - National Certificate in Fitness (NQF 5)
 - National Diploma in Fitness (NQF 5)
4. Generate where required the following qualifications and standards in Sport and Fitness in accordance with Authority requirements, at NQF levels 1-8, for competencies in all related areas of sport [*Regulation 24 (1) (a)*].
 - Certificate in Sport Recreation and Fitness Management (NQF 5)
 - Diploma in Sport, Recreation and Fitness (NQF 5)
 - National Certificate in Sport and Fitness (NQF 1)
 - National Certificate in Sport and Fitness (NQF 3)

Recommend standards and/or qualifications generated under (3) above to the NSB [*Regulation 24 (1) (c)*].
5. Establish mechanisms for the integration of the assessment of competence in standards and qualifications contemplated in (3) above.
6. Recommend criteria for the registration of assessors, moderators and moderating bodies [*Regulation 24 (1) (d)*].
7. Liaise with other SGBs in the sub-field and related sub-fields and/or fields [*Regulation 24 (1) (e)*], and make recommendations regarding the articulation between Sport and Fitness and other qualifications registered on the NQF.

8. Perform such other relevant functions as may from time to time be delegated by NSB 02: Culture and Arts (including Sports and Recreation) [Regulation 24 (10 (e))].

COMPOSITION OF SGB

Nominee	Nominating Body	Workplace	Experience/Qualifications
Horst Kettner	Cape Hunters & Game Conservation	Retired	Lifetime experience in shooting and hunting B.Sc Engineering
Lynne Lourens	SA Sport Commission	South African Sport Commission	MA (Human Movement Science)
Linda Halliday	Exercise Teacher Academy	Consultant	Higher Ed Dip (Teaching)
SJ Pretorius	Drum Beat	Consultant	BA (Hons Physical Training) BA (Hons Geography)
Dr Claire M Nicholson	Disability Sport South Africa	University of the Witwatersrand	PhD (anatomical Science)
Pat Wilcox	Lifesaving SA	Lifesavings	Higher Ed Dip (Teaching)
Patrick Dlamini	Health and Fitness Group	Vodacom	Dip Physical Ed & Dip Marketing
Amy Philpott	Health and Fitness Professional Association	Private Higher Educational institution	B.Phys Ed (Hons Biokinetics)
Dr RI Mulaudzi	Bodyline Fitness Academy	University of Pretoria	PhD (Curriculum Design)
Elsa Storm	Professional Aquatic Association SA	President of Professional Aquatic Association of SA	SITCO Exercise Science, JG Spinning, ACE Group Fitness instructor, HFTA Personal Trainer, Reebok Continued Education. 20 years experience in the fitness industry
Anton Maartens	Bodyline Fitness Academy	Managing Director of Bodyline Fitness Academy	BA Degree
Annelise Goslin	Recreation SA	University of Pretoria	PhD; MBA
Prof AL Toriola	Tshwane University of Technology	Tshwane University of Technology	PhD Physical Education
Keith Mayberry	Rowing South Africa	Anglican Parish of Germiston	Dip in Theology. 50 years coaching and involvement in rowing, previous president of ROWSA. Published on rowing

Gerhard du Plessis	Planet Fitness	Planet Fitness	B.Tech degree
Don McIntosh	United Cricket Board of South Africa	United Cricket Board of South Africa	C.A. (SA)
Lillian Phororo	SA Dance Sport Federation	Pam Golding Properties	Fellow ISTD, International judicator for Dancing, National Coach, 31 years experience in dancing
Frank Knief	Federation of Dance Sport South Africa	Coach the South African Representatives for Ballroom dance World Championships	Champion dancer, Licentiate in standard and Latin American dance, experienced dancesport coach.

No. 1422

10 December 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 standard for public comment.

This notice contains the titles, fields, sub-fields, NQF levels, credits, and purpose of the unit standard upon which qualifications are based. The full unit standard 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 9 January 2005***. All correspondence should be marked **Standards Setting – SGB Building Construction** and addressed to

The Director: Standards Setting and Development
SAQA

Attention: Mr. D Mphuthing

Postnet Suite 248

Private Bag X06

Waterkloof

0145

or faxed to 012 – 431 5144

e-mail: dmphuthing@saga.co.za

JOE SAMUELS

DIRECTOR: STANDARDS SETTING AND DEVELOPMENT



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

1

Apply surveying techniques on a construction contract

SAQA US ID	UNIT STANDARD TITLE		
9988	Apply surveying techniques on a construction contract		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Building Construction	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Physical Planning and Construction		Building Construction	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
PPC-BUC-0-SGB BC	Regular	Level 2	10

Specific Outcomes:

SPECIFIC OUTCOME 1

Understand and apply surveying principles.

SPECIFIC OUTCOME 2

Understand and apply surveying techniques.

SPECIFIC OUTCOME 3

Set out works using only measuring tapes and a spirit level.

SPECIFIC OUTCOME 4

Set out and check levels and profiles.

No. 1423

10 December 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

Visible Policing

Registered by NSB 08, Law, Military Science and Security, publishes the following unit standard for public comment.

This notice contains the titles, fields, sub-fields, NQF levels, credits, and purpose of the unit standard upon which qualifications are based. The full unit standard 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, Pretoria.

Comment on the unit standards should reach SAQA at the address *below and no later than 9 January 2005*. All correspondence should be marked **Standards Setting – Visible Policing** and addressed to

The Director: Standards Setting and Development
SAQA

Attention: Mr. D Mphuthing
Postnet Suite 248
Private Bag X06
Waterkloof
0145

or faxed to 012 – 431-5144
e-mail: dmpthuthing@saga.co.za

JOE SAMUELS**DIRECTOR: STANDARDS SETTING AND DEVELOPMENT**



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

1

Renew an individual's existing firearm licenses

SAQA US ID	UNIT STANDARD TITLE		
117705	Renew an individual's existing firearm licenses		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Visible Policing		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Law, Military Science and Security		Safety in Society	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
LMS-SIS-3-SGB VisPol	Regular	Level 3	3

Specific Outcomes:

SPECIFIC OUTCOME 1

Explain legislation for the lawful possession and use of a firearm as defined in the Firearms Control Act, 2000 (Act No. 60 of 2000) and Regulations to that Act.

SPECIFIC OUTCOME 2

Handle a firearm safely when considering the safety of self, society and property.

No. 1424

10 December 2004



Established in terms of Act 58 of 1995

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

Food

Registered by NSB 06, Manufacturing, Engineering and Technology, 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, Pretoria.

Comment on the unit standards should reach SAQA at the address ***below and no later than 9 January 2005***. All correspondence should be marked **Standards Setting – SGB for Food Manufacturing** and addressed to

The Director: Standards Setting and Development
SAQA

Attention: Mr. D Mphuthing

Postnet Suite 248

Private Bag X06

Waterkloof

0145

or faxed to 012 – 431-5144

e-mail: dmpthuthing@saga.co.za

JOE SAMUELS

DIRECTOR: STANDARDS SETTING AND DEVELOPMENT



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

1

Mix or blend materials in a manufacturing environment

SAQA US ID	UNIT STANDARD TITLE		
117713	Mix or blend materials in a manufacturing environment		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Food		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Manufacturing, Engineering and Technology		Manufacturing and Assembly	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
MET-MNA-0-SGB FD	Regular	Level 2	8

Specific Outcomes:

SPECIFIC OUTCOME 1

Demonstrate an understanding of the role of mixing or blending in a manufacturing environment.

SPECIFIC OUTCOME 2

Prepare for mixing or blending of materials.

SPECIFIC OUTCOME 3

Mix or blend materials.

SPECIFIC OUTCOME 4

Perform end-of-mixing or blending procedures.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

2

Clean and sanitise a manufacturing or processing system using cleaning-in-place (CIP)

SAQA US ID	UNIT STANDARD TITLE		
117720	Clean and sanitise a manufacturing or processing system using cleaning-in-place (CIP)		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Food	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Manufacturing, Engineering and Technology		Manufacturing and Assembly	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
MET-MNA-0-SGB FD	Regular	Level 2	5

Specific Outcomes:

SPECIFIC OUTCOME 1

Demonstrate knowledge of cleaning-in-place systems.

SPECIFIC OUTCOME 2

Prepare to clean and sanitise a manufacturing or processing system.

SPECIFIC OUTCOME 3

Clean and sanitise a manufacturing or processing system.

SPECIFIC OUTCOME 4

Perform end of cleaning-in-place procedures.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

1

Demonstrate an understanding of basic machine operations in a manufacturing and or packaging environment

SAQA US ID	UNIT STANDARD TITLE		
12315	Demonstrate an understanding of basic machine operations in a manufacturing and or packaging environment		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Food	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Manufacturing, Engineering and Technology		Manufacturing and Assembly	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
MET-MNA-0-SGB MAP	Regular	Level 3	7

Specific Outcomes:

SPECIFIC OUTCOME 1

Demonstrate an understanding of machine operations.

SPECIFIC OUTCOME 2

Demonstrate an understanding of the start-up procedures of a process machine.

SPECIFIC OUTCOME 3

Demonstrate an understanding of adjustments made to a process machine while in operation.

SPECIFIC OUTCOME 4

Demonstrate an understanding of the shut-down procedures of a process machine.

SPECIFIC OUTCOME 5

Demonstrate an understanding of production documentation.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

2

Identify computerised systems in a manufacturing or processing system

SAQA US ID	UNIT STANDARD TITLE		
12258	Identify computerised systems in a manufacturing or processing system		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Food	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Manufacturing, Engineering and Technology		Manufacturing and Assembly	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
MET-MNA-0-SGB DT	Regular	Level 2	7

Specific Outcomes:

SPECIFIC OUTCOME 1

Demonstrate understanding of computerised systems in a manufacturing or processing environment.

SPECIFIC OUTCOME 2

Identify and use programmable logic controllers.

SPECIFIC OUTCOME 3

Identify and use a computer system that controls automated processes.

SPECIFIC OUTCOME 4

Identify and use man machine interface.

No. 1425

10 December 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

Forestry

Registered by NSB 01, Agriculture and Nature Conservation, 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 qualifications 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, 1067 Arcadia Street, Hatfield, Pretoria.

Comment on the unit standards should reach SAQA at the address ***below and no later than 9 January 2005***. All correspondence should be marked **Standards Setting – SGB for Forestry** and addressed to

The Director: Standards Setting and Development
SAQA
Attention: Mr. D Mphuthing
Postnet Suite 248
Private Bag X06
Waterkloof
0145
or faxed to 012 – 431-5144
dmphuthing@saga.co.za

JOE SAMUELS
DIRECTOR: STANDARDS SETTING AND DEVELOPMENT



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

QUALIFICATION:

National Certificate: Wood Products Processing

SAQA QUAL ID	QUALIFICATION TITLE	
49083	National Certificate: Wood Products Processing	
SGB NAME	SGB Forestry	
ABET BAND	PROVIDER NAME	
Undefined		
QUALIFICATION CODE	QUAL TYPE	SUBFIELD
AGR-3-National Certificate	National Certificate	Forestry and Wood Technology
MINIMUM CREDITS	NQF LEVEL	QUALIFICATION CLASS
130	Level 3	Regular-Unit Stds Based
SAQA DECISION NUMBER	REGISTRATION START DATE	REGISTRATION END DATE

PURPOSE OF THE QUALIFICATION

A learner acquiring this qualification will be able to operate as a knowledgeable and appropriately skilled first line supervisor, in an effective and efficient manner, either as a member of a working team or an individual when required, performing the tasks prescribed for this level in the unit standards for Wood Products Processing.

The learner will know and understand the wood products processing operation and the relevant details of the process in his/her workplace. The learner will be able to perform the relevant tasks in the workplace to the prescribed standards, while correctly following the prescribed work procedures, and the health and safety and environmental protection measures applicable to the specific workplace. The learner will be able to interpret and comply with the prescribed aspects of certain legislation impacting on his/her work situation. The learner will be able to communicate effectively, orally or in writing, with co-workers and responsible persons in the workplace. Competent learners will be able to demonstrate the required levels of knowledge and skills to achieve the outcomes described below.

Rationale

The typical learner identified to benefit from this qualification will be an individual who is currently employed within the field of Wood Products and any unemployed persons who wishes to enter a learning programme to obtain a National Certificate in Wood Products Processing at an NQF Level 3 with the intention of building a career in this industry. This Certificate offers electives in the following areas of Wood Products Processing: Match Manufacturing; Fibre and Chipboard Manufacturing; Nail plated Truss Manufacturing; Charcoal Manufacturing; Tannin Extraction; Veneer and Plywood Manufacturing; and Wood Preservation.

This qualification will provide the basis for national recognition of the skills involved in wood processing at i.e. supervisor, foreman, team leader, co-ordinator level. It is perceived that the qualification will improve the credibility and general public's awareness of the wood product sector. International unit standards were reviewed during the research process undertaken to develop this qualification. As such, learners who obtain this qualification are expected to contribute to the effectiveness and productivity of the Wood Products Industry in South Africa.

RECOGNIZE PREVIOUS LEARNING?

Y

LEARNING ASSUMED TO BE IN PLACE

It is generally accepted that individuals entering this qualification should be literate and numerate at an NQF Level 2, have demonstrated knowledge and skill of the basic production processes in the relevant wood products processing plant and be able to demonstrate the knowledge and skills stipulated in the learning assumptions of relevant unit standards.

Recognition of Prior Learning (RPL)

This qualification may be achieved in part or whole through the Recognition of Prior Learning process and after being assessed by a registered assessor.

A range of assessment methods should be used, including:

- > Direct observation - the learner will be asked to demonstrate his/her ability, perform tasks expected in the working environment.
- > Product sample - examine the portions of reports filed by the learner in order to ascertain his/her knowledge of the skills covered in this unit standard.
- > Simulation of a specific task or situation in order to evaluate the learner's knowledge and understanding of the skills required.
- > Questioning (verbal or written) - ask relevant questions linked to the unit standard
- > Testimony - collect a portfolio of evidence from suitable people, for example, reports from a third party.

QUALIFICATION RULES

This qualification offers flexibility to the learner across the field of Wood Products. In order to achieve the 135 credits required for this qualification, the rules of combination are as follows:

- > Fundamentals: 36 credits - 20 from Language and Communications and 16 from the Sciences
- > Core: Select 54 credits
- > Electives: Select specialised area of Wood Products e.g. Wood Preservation and then choose 40 credits from that section
- > Total Credits: 130 credits

Tannin Extraction Electives:

- > Assist in the leaching process
- > Supervise the wattle bark chopping operation
- > Operate and control the leaching process

Charcoal Manufacturing Electives:

- > Plaster and seal kilns
- > Stack, load and palletise bags of charcoal and/or briquettes
- > Supervise loading of container
- > Fire kilns and chimneys

Trusses Electives:

- > Cut and prepare timber for roof truss assembly
- > Set jig, assemble, press, handle and store nail plated timber roof trusses
- > Load and off-load trusses and auxiliary material and all other hardware products
- > Inspect and quality assure timber roof truss products and documentation

Wood Preservation Electives:

- > Control receipt of incoming material (poles and/or sawn lumber) for wood preservation process
- > Manage debarking of poles and logs for wood preservation
- > Manage pole peeling operation for wood preservation
- > Manage classification and grading of poles and timber for wood preservation
- > Control production process to produce debarked and seasoned poles
- > Control process of treating wood with wood preservative
- > Apply quality control in the wood preservation plant
- > Demonstrate knowledge and understanding of the structure of wood and how it relates to its appearance, strength, and water retention
- > Manage work force in relevant work areas in wood preservation plant
- > Demonstrate knowledge and understanding of the influence of wood structure, its properties and production factors on quality

Chipboard Electives:

- > Receive, offload, store and prepare for infeed of timber into the fibreboard and chipboard plant
- > Operate flaker in the chipboard manufacturing process
- > Receive, store and test bulk chemicals in the fibreboard and chipboard manufacturing process

- > Control and monitor mat formation in the chipboard manufacturing process
- > Load mat and press board in the chipboard manufacturing process
- > Operate sanding process in the fibreboard and chipboard process
- > Dry and store fibre in the fibreboard process
- > Load and press board in the melamine faced board manufacturing process
- > Assure quality in the fibreboard and chipboard manufacturing process (compulsory for masonite)

Match Manufacturing (Board Processing and Packaging) Electives:

- > Operate bar machine to form outer boxes
- > Operate match skillet printing machine
- > Ensure continuous supply of quality matchboxes to wrapping process
- > Operate machine to form inner boxes
- > Prepare ignition paint
- > Operate wrapping machine
- > Control application of match head composition
- > Prepare and mix match head composition

Veneer and Plywood Electives:

Grade veneer / plywood / block board within a veneer / plywood / block board plant

- > Set up and operate log debarking and conditioning facilities in wet processing area of veneer/plywood/block board plant
- > Set up and operate log handling, sorting and storage facilities (log yard / deck) in wet processing area of veneer/plywood/block board plant
- > Set up and operate peeling/ slicing facilities in wet processing area of veneer/plywood/block board plant
- > Set up and operate drying facilities in wet processing area of veneer/plywood/block board plant.
- > Set up and operate veneer upgrading processing facilities in dry processing area of veneer/plywood/block board plant
- > Set up and operate board edging and squaring facilities in the dry processing area of veneer / plywood / block board plant
- > Set up and operate board cross-cutting / trimming facilities in the dry processing area of veneer/ plywood / block board plant
- > Set up and control wet/dry hogging production facilities in wet/dry processing area of a veneer/ plywood/ block board plant
- > Set up and operate sanding facilities in the dry processing area of veneer/plywood / block board plant
- > Set up and operate pressing facilities in dry processing area of veneer/plywood/block board plant.
- > Set up and operate glue mixing, handling and storage facilities in dry processing area of veneer / plywood / block board plant
- > Control veneer/plywood / block board grading process in veneer / plywood / block board plant

EXIT LEVEL OUTCOMES

On achieving this qualification, the learner will be able to:

1. Demonstrate an understanding of the production processes of the relevant Wood Products Processing environment and carry out the tasks prescribed with regards to production operations, general cleaning operations, manual handling, details of equipment, processes and procedures as stipulated in the unit standards for the NQF Level 3 qualification.
2. Demonstrate the level of knowledge and understanding of the prescribed work procedures, health and safety and environmental standards, as stipulated in the unit standards for the NQF Level 3 qualification.
3. Demonstrate the ability to operate in a team, to use effective communication skills, and an understanding of the impact of both the individual and the team on the organisations strategic goals, as required at the stipulated NQF Level.
4. Demonstrate the ability to carry out the tasks of their specific work environment with knowledge and understanding, as stipulated in their elective unit standards.
5. Interpret, explain verbally or in writing, and comply with the prescribed aspects of the legislation for the stipulated NQF Level, that impacts on his/her work situation. (Range: The OSH Act, the Labour Relations Act, the Skills Development Act, the Employment Equity Act, Environmental Acts and the Basic Conditions of Employment Act.)

ASSOCIATED ASSESSMENT CRITERIA

1.
 - > The learner demonstrates that he/she has an understanding of the production processes of the relevant Wood Products Processing environment by correctly explaining the main purpose of the organisation's operation, the general layout of the plant, the sequence of the production phases in the production process and the general functions of the major production equipment and stages in the operation at the stipulated NQF Level as per the relevant organisation's work instructions.
 - > The learner demonstrates his/her skill by carrying out the relevant production, general cleaning and manual handling tasks at the stipulated NQF Level as per the relevant organisation's work instructions.
2.
 - > The learner correctly explains his/her relevant work procedures, safety and health measures and environmental requirements pertaining to the stipulated NQF Level requirements for this workplace as per the relevant organisation's work instructions.
 - > The learner demonstrates his/her knowledge by adhering to the relevant work procedures, safety and health measures and environmental requirements pertaining to the stipulated NQF Level as per the relevant organisation's work instructions.
3.
 - > The learner communicates effectively in the workplace, using effective communication skills, to achieve his/her job outcomes.
 - > The learner uses effective communication skills to lead a team and to operate effectively in a team.
 - > The learner demonstrates his/her understanding of the importance and impact of teamwork on the achievement of the organisations strategic goals by communicating effectively with the team, by co-operating with team members, by showing tolerance, by good time keeping, by displaying fairness and by providing leadership.
4.
 - > The learner demonstrates his/her ability to carry out the tasks of his/her specific work environment by meeting his/her job outcomes.
 - > The learner demonstrates his/her knowledge and understanding of his/her tasks by explaining the importance of carrying out his/her tasks as prescribed in the relevant organisation's work instructions.
 - > The learner demonstrates competence in his/her workplace through good performance and understanding of his/her job role.
5.
 - > The learner demonstrates that he/she has the required level of knowledge and understanding of the prescribed aspects of the legislation at the stipulated NQF Level by providing the correct explanation of the stipulated regulations.
 - > The learner uses the correct terminology when providing the explanation of the prescribed aspects of the legislation at the stipulated NQF Level.
 - > The learner currently adheres to/complies with the prescribed aspects of the relevant legislation as per his/her job role.

Integrated Assessment

The unit standards on which this qualification is based, describe the competent performance in the various areas of Wood Products Processing, and lay down the criteria by which competence should be judged, as well as the range of circumstances in which competence should be demonstrated. For each unit standard there are corresponding performance assessment criteria, which describe the evidence an assessor should use to determine a learner's competence.

Assessors should design assessment tools and conduct assessment against the unit standards specified in the qualification, that take into account established assessment principles and makes use of a range of formative and summative assessment methods. Integrated assessment methods and tools for this qualification must allow the learner to demonstrate that he/she has acquired the knowledge of and can safely and efficiently apply competence in the relevant aspects of Wood Products Processing, as described in the Purpose of this Qualification, and the Exit-level Outcomes. A portfolio of evidence of the outcomes of all these assessments for each learner must be built up for record purposes.

Assessors should specifically check for the following:

- > Demonstration of competence of the specific outcomes in context. The context is within a Wood Products Processing environment.
- > Ability to ensure the efficient and effective utilisation of all materials, tools and equipment.

- > Ability to manage production processes
- > Ability to manage staff

The following formative and summative assessment methods are recommended:

- > Observation
- > Oral questioning
- > Simulation
- > Demonstration and questioning
- > Peer assessment
- > Pen and Paper

Written Statements from e.g. current or previous employer, colleagues, peers, managers, i.e. persons who can supply relevant references

- > Relevant awards or certificates
- > Previous assessment records
- > Journals/logbook, records of work performance.

The currently unemployed, who followed a learning programme to achieve this qualification, as well as persons seeking recognition of prior learning, must be assessed in the same manner.

INTERNATIONAL COMPARABILITY

Comparisons were done against unit standards and in the New Zealand and Australians Qualifications Authority. Our search discovered that there are currently no national qualifications at the lower levels of Wood Product and Processing. However, comparable unit standards were found at levels 1 to 4 in most of the Wood Products Processing areas. Research found that unit standards allow the learner to choose elective unit standards in domains that are comparable to what is required for this qualification.

Furthermore, various Websites were investigated for relevant information on training and development best practice in Global Wood Products and Processing, the outcome was found that South Africa had a practice that could serve as a benchmark to the whole of the Wood Products and Processing World.

ARTICULATION OPTIONS

The choice of elective unit standards for this qualification, can earn credits, which will be valid for learning pathways in the Wood Products sector.

This qualification allows the learner flexibility and portability in that the fundamental and industry specific core unit standards will provide a platform for the learner to cross over into one of the other areas of Wood Products other than his/her elective. The fundamental and non-industry specific core unit standards will also equip the learner with credits which will be useful in other fields of learning should the learner wish to pursue a complete change of industry at a later stage.

MODERATION OPTIONS

- > Anyone assessing a learner or moderating the assessment of a learner against this Qualification must be registered as an assessor with the relevant ETQA.
- > Any institution offering learning that will enable the achievement of this Qualification must be accredited as a provider with the relevant ETQA.
- > Assessment and moderation of assessment will be overseen by the relevant ETQA according to the ETQAs policies and guidelines for assessment and moderation; in terms of agreements reached around assessment and moderation between ETQAs (including professional bodies); and in terms of the moderation guideline detailed immediately below.
- > Moderation must include both internal and external moderation of assessments at exit points of the qualification, unless ETQA policies specify otherwise. Moderation should also encompass achievement of the competence described both in individual unit standards as well as the integrated competence described in the qualification.

Anyone wishing to be assessed against this Qualification may apply to be assessed by any assessment agency, assessor or provider institution that is accredited by the relevant ETQA.

CRITERIA FOR THE REGISTRATION OF ASSESSORS

For an applicant to register as an assessor, the applicant needs:

- > A minimum of 2 (two) years' practical, relevant occupational experience in Wood Products Processes

such as Match Manufacturing; Fibre and Chipboard Manufacturing; Nail plated Truss Manufacturing; Charcoal Manufacturing; Tannin Extraction; Veneer and Plywood Manufacturing; Bulk Bin, Box and Pallet Manufacturing and Repair; and Wood Preservation.

> Declared competent in all the outcomes of the registered Assessor Unit Standards.

> Detailed documentary proof of educational qualification, practical training undergone, and experience gained by the applicant must be provided (Portfolio of evidence)

NOTES

Notes to assessors

In order to ensure that judgements are reliable, assessors should collect evidence from a variety of sources and in a number of ways, for example, direct observation, role-plays and simulations, interviews, review of portfolios of work, testimonies from third parties, and formal written, oral or skills tests. Where possible, assessment of performance should be carried out in authentic situations and in an integrated fashion, enabling the simultaneous assessment of multiple specific outcomes and assessment criteria. So, for example, by observing the candidate during the course of preparing and implementing an environmental learning programme, the assessor will be able to assess not only his/her competence as an environmental education practitioner, but also his/her organisational, administrative and teamwork abilities. Furthermore, by observing how the candidate undertakes a community conservation programme, the assessor will be able to gauge how well the candidate understands the particular issue and related environmental concepts and processes.

The specific outcomes and assessment criteria contained in the unit standards are guidelines for assessors working with practitioners who do not have disabilities or special needs. Special consideration and exemptions should be given to practitioners who cannot fulfil the assessment criteria due to disabilities or other special needs.

UNIT STANDARDS

(Note: A blank space after this line means that the qualification is not based on Unit Standards.)

	UNIT STANDARD ID AND TITLE	LEVEL	CREDITS	STATUS
Core	9964 Apply health and safety to a work area	Level 2	3	Reregistered
Core	117231 Demonstrate understanding of details of equipment, processes and procedures in a wood products plant	Level 2	15	Draft - Prep for P Comment
Core	10170 Demonstrate understanding of employment relations in an organisation	Level 3	3	Registered
Core	13912 Apply knowledge of self and team in order to develop a plan to enhance team performance	Level 3	5	Registered
Core	13915 Demonstrate knowledge and understanding of HIV/AIDS in a workplace, and its effects on a business sub-sector, own organisation and a specific workplace	Level 3	4	Registered
Core	13916 Identify and keep records that are the responsibility of a junior manager	Level 3	4	Registered
Core	116720 Show understanding of diversity in the workplace	Level 3	3	Registered
Core	117227 Control production in relevant work areas in wood products plant	Level 4	15	Draft - Prep for P Comment
Elective	117207 Receive, offload, store and prepare for infed of timber into the fibreboard and chipboard plant	Level 2	18	Draft - Prep for P Comment
Elective	117208 Operate flaker in the chipboard manufacturing process	Level 2	18	Draft - Prep for P Comment
Elective	117211 Receive, store and test bulk chemicals in the fibreboard and chipboard manufacturing process	Level 2	10	Draft - Prep for P Comment
Elective	117234 Operate bar machine to form outer boxes	Level 2	10	Draft - Prep for P Comment
Elective	117236 Operate match skillet printing machine	Level 2	9	Draft - Prep for P Comment
Elective	117237 Operate machine to form inner boxes	Level 2	5	Draft - Prep for P Comment
Elective	117240 Prepare ignition paint	Level 2	10	Draft - Prep for P Comment
Elective	117246 Operate wrapping machine	Level 2	10	Draft - Prep for P Comment
Elective	117253 Ensure continuous supply of quality matchboxes to wrapping process	Level 2	4	Draft - Prep for P Comment
Elective	117288 Grade Veneer/ Plywood/ Block board in veneer/ Plywood/ Block board plant	Level 2	20	Draft - Prep for P Comment
Elective	117200 Supervise loading of container	Level 3	25	Draft - Prep for P Comment

Elective	117202 Stack, load and palletise bags of charcoal and/or briquettes	Level 3	15	Draft - Prep for P Comment
Elective	117205 Plaster and seal kilns	Level 3	10	Draft - Prep for P Comment
Elective	117209 Control and monitor mat formation in the fibreboard and chipboard manufacturing process	Level 3	20	Draft - Prep for P Comment
Elective	117212 Load mat and press board in the chipboard manufacturing process	Level 3	15	Draft - Prep for P Comment
Elective	117214 Operate sanding process in the fibreboard and chipboard process	Level 3	12	Draft - Prep for P Comment
Elective	117218 Load press board in the melamine faced board manufacturing process	Level 3	15	Draft - Prep for P Comment
Elective	117224 Dry and store fibre in the fibreboard process	Level 3	10	Draft - Prep for P Comment
Elective	117243 Control application of match head composition	Level 3	16	Draft - Prep for P Comment
Elective	117247 Prepare and mix match head composition	Level 3	15	Draft - Prep for P Comment
Elective	117256 Supervise the wattle bark chopping operation	Level 3	20	Draft - Prep for P Comment
Elective	117258 Operate and control the leaching process	Level 3	20	Draft - Prep for P Comment
Elective	117260 Assist in the leaching process	Level 3	20	Draft - Prep for P Comment
Elective	117263 Set jig, assemble, press, handle and store nail plated timber roof trusses	Level 3	20	Draft - Prep for P Comment
Elective	117271 Load and off-load trusses and auxiliary material and all other hardware products	Level 3	20	Draft - Prep for P Comment
Elective	117272 Cut and prepare timber for roof truss assembly	Level 3	20	Draft - Prep for P Comment
Elective	117275 Apply quality control in the wood preservation plant	Level 3	10	Draft - Prep for P Comment
Elective	117277 Manage classification and grading of poles and timber for wood preservation	Level 3	5	Draft - Prep for P Comment
Elective	117278 Control process of treating wood with wood preservative	Level 3	10	Draft - Prep for P Comment
Elective	117279 Control production process to produce debarked and seasoned poles	Level 3	10	Draft - Prep for P Comment
Elective	117280 Manage pole peeling operation for wood preservation	Level 3	5	Draft - Prep for P Comment
Elective	117282 Demonstrate knowledge and understanding of the structure of wood and how it relates to its appearance, strength, and water retention	Level 3	15	Draft - Prep for P Comment
Elective	117283 Manage debarking of poles and logs for wood preservation	Level 3	5	Draft - Prep for P Comment
Elective	117284 Control veneer/ plywood/ block board grading process in veneer/ plywood/ block board plant	Level 3	20	Draft - Prep for P Comment
Elective	117285 Control receipt of incoming material (poles and/or sawn lumber) for wood preservation process	Level 3	5	Draft - Prep for P Comment
Elective	117286 Set up and operate glue mixing, handling and storage facilities in dry processing area of veneer / plywood / block board plant	Level 3	10	Draft - Prep for P Comment
Elective	117289 Set up and operate pressing facilities in dry processing area of veneer / plywood / block board plant	Level 3	10	Draft - Prep for P Comment
Elective	117290 Set up and operate sanding facilities in the dry processing area of veneer / plywood / block board plant	Level 3	10	Draft - Prep for P Comment
Elective	117292 Set up and control wet/dry hogging production facilities in wet/dry processing area of a veneer / plywood / block board plant	Level 3	10	Draft - Prep for P Comment
Elective	117295 Set up and operate board edging and squaring facilities in the dry processing area of veneer / plywood / block board plant	Level 3	5	Draft - Prep for P Comment
Elective	117298 Set up and operate board cross-cutting / trimming facilities in the dry processing area of veneer / plywood / block board plant	Level 3	5	Draft - Prep for P Comment
Elective	117302 Set up and operate log handling, sorting and storage facilities (log yard / deck) in wet processing area of veneer/plywood/block board plant	Level 3	15	Draft - Prep for P Comment
Elective	117305 Set up and operate peeling/ slicing facilities in wet processing area of veneer / plywood / block board plant	Level 3	10	Draft - Prep for P Comment
Elective	117310 Set up and operate drying facilities in wet processing area of veneer / plywood / block board plant	Level 3	10	Draft - Prep for P Comment
Elective	117311 Set up and operate log debarking and conditioning facilities in wet processing area of veneer/plywood/block board plant	Level 3	5	Draft - Prep for P Comment

Elective	117312 Set up and operate veneer upgrading processing facilities in dry processing area of veneer/plywood/block board plant	Level 3	10	Draft - Prep for P Comment
Elective	117196 Fire kilns and chimneys	Level 4	30	Draft - Prep for P Comment
Elective	117219 Assure quality in the fibreboard and chipboard manufacturing process	Level 4	20	Draft - Prep for P Comment
Elective	117235 Demonstrate knowledge and understanding of the influence of wood structure, its properties and production factors on quality in a wood products environment	Level 4	15	Draft - Prep for P Comment
Elective	117270 Inspect and quality assure timber roof truss products and documentation	Level 4	20	Draft - Prep for P Comment
Elective	117273 Manage work force in relevant work areas in wood preservation plant	Level 4	15	Draft - Prep for P Comment
Fundamental	7456 Use mathematics to investigate and monitor the financial aspects of personal, business and national issues	Level 3	2	Registered
Fundamental	8968 Accommodate audience and context needs in oral communication	Level 3	5	Reregistered
Fundamental	8969 Interpret and use information from texts	Level 3	5	Reregistered
Fundamental	8971 Analyse and respond to a variety of literary texts	Level 3	5	Reregistered
Fundamental	8973 Use language and communication in occupational learning programmes	Level 3	5	Reregistered
Fundamental	9013 Describe, apply, analyse and calculate shape and motion in 2-and 3-dimensional space in different contexts	Level 3	4	Registered
Fundamental	13919 Investigate and explain the structure of a selected workplace or organisation	Level 3	10	Registered



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

QUALIFICATION:

National Certificate: Wood Products Processing

SAQA QUAL ID	QUALIFICATION TITLE	
49082	National Certificate: Wood Products Processing	
SGB NAME	SGB Forestry	
ABET BAND	PROVIDER NAME	
Undefined		
QUALIFICATION CODE	QUAL TYPE	SUBFIELD
AGR-1-National Certificate	National Certificate	Forestry and Wood Technology
MINIMUM CREDITS	NQF LEVEL	QUALIFICATION CLASS
138	Level 1	Regular-Unit Stds Based
SAQA DECISION NUMBER	REGISTRATION START DATE	REGISTRATION END DATE

PURPOSE OF THE QUALIFICATION

A learner acquiring this qualification will be able to operate as a knowledgeable and appropriately skilled general worker, in an effective and efficient manner, either as a member of a working team or an individual when required, performing the operations prescribed for this level in the unit standards for Wood Products Processing.

The learner will know and understand the general basics of wood processing and the relevant details of the process in his/her workplace. He/she will be able to perform the relevant tasks in this workplace to the prescribed standards, while correctly following the prescribed work procedures, and the health and safety and environmental protection measures applicable to the specific workplace. The learner will be able to interpret and comply with the prescribed aspects of certain legislation impacting on his/her work situation. The learner will be able to communicate verbally, with co-workers and responsible persons in this workplace. Competent learners will be able to demonstrate the required levels of knowledge and skills to achieve the outcomes described below.

Rationale

The typical learner identified to benefit from this qualification will be an individual who is currently employed within the field of Wood Products and any unemployed persons who wishes to enter a learning programme to obtain a National Certificate in Wood Products Processing at an NQF Level 1 with the intention of building a career in this industry. This Certificate offers electives in the following areas of Wood Products Processing: Match Manufacturing; Fibre and Chipboard Manufacturing; Nail plated Truss Manufacturing; Charcoal Manufacturing; Tannin Extraction; Veneer and Plywood Manufacturing; Bulk Bin, Box and Pallet Manufacturing and Repair; and Wood Preservation.

Currently there are no formal qualifications at this level and therefore this qualification will address this issue and provide the first very much needed qualification in the area of Wood Products. This qualification will provide the basis for national recognition of the skills involved in wood processing at a general worker's level. It is perceived that the qualification will improve the credibility and general public's awareness of the wood product sector. International unit standards were reviewed during the research process undertaken to develop this qualification. As such, learners who obtain this qualification are expected to contribute to the effectiveness and productivity of the Wood Products Industry in South Africa.

RECOGNIZE PREVIOUS LEARNING?

Y

LEARNING ASSUMED TO BE IN PLACE

It is generally accepted that individuals entering this qualification should be literate at an ABET Level 3.

Recognition of Prior Learning (RPL)

This qualification may be achieved in part or whole through the Recognition of Prior Learning process and after being assessed by a registered assessor.

QUALIFICATION RULES

This qualification offers flexibility to the learner across the field of Wood Products. In order to achieve the minimum 120 credits required for this qualification, the rules of combination are as follows:

- > Fundamentals: 36 credits - 20 from Language and Communications and 16 from Mathematical
- > Core: 62 credits
- > Electives: Select specialised area of Wood Products e.g. Wood Preservation and then choose 40 credits from that section
- > Total Credits: min of 138 credits

Bulk Bin Electives:

- > Operate machinery in a wood products environment
- > Manufacture bulk bins, boxes and/or pallets
- > Inspect and repair bulk bins and/or pallets
- > Spray and/or label bulk bins, boxes and/or pallets
- > Select and use basic hand tools and materials

Tannin Extraction Electives:

- > Collect and prepare wattle bark and "spents" for laboratory analysis
- > Supply wattle bark to the bark chopping machine
- > Operate a wattle bark chopper machine

Charcoal Manufacturing Electives:

- > Fold, cut and fill bags
- > Issue starch
- > Receive, open & decant polybags
- > Operate boiler, dryer and mixer
- > Fill charcoal and/or briquette bag
- > Load and offload kilns
- > Sew crepe
- > Weigh and check weigh bags

Trusses Electives:

- > Demonstrate an understanding of timber roof truss manufacturing environment
- > Identify, collect and move timber for roof truss manufacturing
- > Receive, sort and store incoming material into grades and sizes in a roof truss manufacturing environment
- > Perform basic lubrication in wood products production plant

Wood Preservation Electives:

- > Assist with the setting up and operation of the log yard of a wood preservation plant
- > Receive, sort and store incoming material into grades and sizes in a wood preservation plant
- > Perform basic lubrication in wood products production plant

Fibreboard and Chipboard Electives:

- > Receive, offload, store and prepare for infeed of timber into the fibreboard and chipboard plant
- > Prepare dry flakes in the chipboard manufacturing process
- > Receive, store and test bulk chemicals in the fibreboard and chipboard manufacturing process
- > Monitor trimming and quality of fibreboard and chipboard after the pressing process
- > Grade product in the fibreboard and chipboard manufacturing process
- > Wash chips in the fibreboard manufacturing process
- > Store melamine papers in the melamine faced board manufacturing process
- > Lay-up paper in the melamine faced board manufacturing process
- > Grade product in melamine faced board manufacturing process

Match Manufacturing (Board processing and packaging) Electives:

- > Supply ignition paint and pack skillets
- > Transfer composition from the compo room to VPO storage pots and supply to VPO on demand (side

pots)

- > Ensure continuous supply of quality match boxes to wrapping process.
- > Apply ignition paint onto skillets
- > Ensure VPO box band cleats are full for production
- > Maintain supply line of match boxes to VAT machine
- > Ensure continuous flow of inner operate bar machine to form outer boxes
- > Operate match skillet printing machine
- > Ensure continuous supply of quality matchboxes to wrapping process
- > Operate machine to form inner boxes
- > Prepare ignition paint
- > Operate wrapping machine

Match Manufacturing (Timber Processing) Electives:

- > Operate peeling machine
- > Monitor drying and polishing process
- > Debark timber
- > Cut poplar and pine logs into billets
- > Prepare impregnation solution
- > Lay-up and lace veneer

Veneer and Plywood Electives:

- > Sort and stack graded veneer / plywood / block board within a veneer / plywood / block board plant
- > Demonstrate understanding of the relevant details of saw doctor shop
- > Perform basic lubrication in relevant workplace in veneer / plywood / block board plant
- > Grade veneer / plywood / block board in veneer / plywood / block board plant

EXIT LEVEL OUTCOMES

On achieving this qualification, the learner will be able to:

1. Demonstrate an understanding of the general basics of the relevant Wood Products Processing environment and carry out the tasks prescribed with regards to production operations, general cleaning operations, manual handling, details of equipment, processes and procedures as stipulated in the unit standards for an NQF Level 1 qualification.
2. Demonstrate the level of knowledge and understanding of the prescribed work procedures, health and safety and environmental standards, as stipulated in the unit standards for an NQF Level 1 qualification.
3. Demonstrate the ability to operate in a team, to use basic communication skills, and show an understanding of the impact teamwork has on the operation, as required at the stipulated NQF Level.
4. Demonstrate the ability to carry out the operations of their specific work environment with knowledge and understanding, as stipulated in their elective unit standards.

ASSOCIATED ASSESSMENT CRITERIA

1.
 - > The learner demonstrates that he/she has an understanding of the general basics of the relevant Wood Products Processing environment by correctly explaining the main purpose of the organisation's operation, the general layout of the plant, the sequence of the production phases in the production process and the general functions of the major production equipment and stages in the operation as per the relevant organisation's work instructions.
 - > The learner demonstrates his/her skill by carrying out the relevant production, general cleaning and manual handling tasks as per the relevant organisation's work instructions.
 - > The learner correctly explains the purpose and lay out of the relevant workplace, the general functions of the major production equipment and stages, the sequence of the production phases as per the relevant organisation's work instructions.
2.
 - > The learner correctly explains his/her relevant work procedures, safety and health measures and environmental requirements pertaining to the stipulated NQF Level requirements for this workplace as per the relevant organisation's work instructions.
 - > The learner demonstrates his/her knowledge by adhering to the relevant work procedures, safety and health measures and environmental requirements pertaining to the stipulated NQF Level as per the relevant organisation's work instructions.

3.
 - > The learner communicates effectively in the workplace, using basic communication skills, to achieve his/her job outcomes.
 - > The learner uses effective communication skills to operate effectively in a team.
 - > The learner demonstrates his/her understanding of the importance and impact of teamwork on the achievement of organisational goals by communicating effectively, by co-operating with team members, by showing tolerance and by good time keeping.
4.
 - > The learner demonstrates his/her ability to carry out the operations of his/her specific work environment by meeting his/her job outcomes.
 - > The learner demonstrates his/her knowledge and understanding of his/her operations by explaining the importance of carrying out his/her operations as prescribed in the relevant organisation's work instructions.
 - > The learner demonstrates competence in his/her workplace through good performance and understanding of his/her job role.

Integrated Assessment

The unit standards on which this qualification is based, describe the competent performance in the various areas of Wood Products Processing, and lay down the criteria by which competence should be judged, as well as the range of circumstances in which competence should be demonstrated. For each unit standard there are corresponding performance assessment criteria, which describe the evidence an assessor should use to determine a learner's competence.

Assessors should design assessment tools and conduct assessment against the unit standards specified in the qualification, that take into account established assessment principles and makes use of a range of formative and summative assessment methods. Integrated assessment methods and tools for this qualification must allow the learner to demonstrate that he/she has acquired the knowledge of and can safely and efficiently apply competence in the relevant aspects of Wood Products Processing, as described in the Purpose of this Qualification, and the Exit-level Outcomes. A portfolio of evidence of the outcomes of all these assessments for each learner must be built up for record purposes.

Assessors should specifically check for the following:

- > Demonstration of competence of the specific outcomes in context. The context is within a Wood Products Processing environment.
- > Ability to ensure the efficient and effective utilisation of all materials, tools and equipment.

The following formative and summative assessment methods are recommended:

- > Observation
- > Oral questioning
- > Simulation
- > Demonstration and questioning
- > Peer assessment

Written Statements from e.g. current or previous employer, colleagues, peers, managers, i.e. persons who can supply relevant references

- > Relevant awards or certificates
- > Previous assessment records
- > Journals/logbook, records of work performance
- > Checklists
- > Safety Procedures

The currently unemployed, who followed a learning programme to achieve this qualification, as well as persons seeking recognition of prior learning, must be assessed in the same manner.

INTERNATIONAL COMPARABILITY

An International search of Australian, New Zealand, and the United Kingdom was conducted to ascertain if our unit standards and qualifications were of the same or similar quality. Our research discovered that there are currently no national qualifications at level 1 i.e. National Qualifications Framework (NQF) Level 1. However, comparable unit standards were found at levels 1 to 4 in most of the Wood Products Processing areas.

Furthermore, various Websites were investigated for relevant information on training and development best practice in Global Wood Products and Processing, the outcome was found that South Africa had a practice that could serve as a benchmark to the whole of the Wood Products and Processing World.

Below is a list of the main site addresses that were searched. From these addresses we search any areas that looked viable:

- > www.Dfes.gov.uk
- > www.Nvq.org.uk
- > www.Qca.org.za
- > www.Anta.gov.au
- > www.Ntis.gov.au
- > www.Nzqa.org.nz

ARTICULATION OPTIONS

The choice of elective unit standards for this qualification, can earn credits, which will be valid for learning pathways in the Wood Products sector.

This qualification allows the learner flexibility and portability in that the fundamental and industry specific core unit standards will provide a platform for the learner to cross over into one of the other areas of Wood Products other than his/her elective. The fundamental and non-industry specific core unit standards will also equip the learner with credits which will be useful in other fields of learning should the learner wish to pursue a complete change of industry at a later stage.

There is possible articulation with qualifications from the Forestry and Lumber Milling industries.

MODERATION OPTIONS

- > Anyone assessing a learner or moderating the assessment of a learner against this Qualification must be registered as an assessor with the relevant ETQA.
- > Any institution offering learning that will enable the achievement of this Qualification must be accredited as a provider with the relevant ETQA.
- > Assessment and moderation of assessment will be overseen by the relevant ETQA according to the ETQAs policies and guidelines for assessment and moderation; in terms of agreements reached around assessment and moderation between ETQAs (including professional bodies); and in terms of the moderation guideline detailed immediately below.
- > Moderation must include both internal and external moderation of assessments at exit points of the qualification, unless ETQA policies specify otherwise. Moderation should also encompass achievement of the competence described both in individual unit standards as well as the integrated competence described in the qualification.

Anyone wishing to be assessed against this Qualification may apply to be assessed by any assessment agency, assessor or provider institution that is accredited by the relevant ETQA.

CRITERIA FOR THE REGISTRATION OF ASSESSORS

For an applicant to register as an assessor, the applicant needs:

- > A minimum of 2 (two) years' practical, relevant occupational experience in Wood Products Processes such as Match Manufacturing; Fibre and Chipboard Manufacturing; Nail plated Truss Manufacturing; Charcoal Manufacturing; Tannin Extraction; Veneer and Plywood Manufacturing; Bulk Bin, Box and Pallet Manufacturing and Repair; and Wood Preservation.
- > Declared competent in all the outcomes of the registered Assessor Unit Standards.
- > Detailed documentary proof of educational qualification, practical training undergone, and experience gained by the applicant must be provided (Portfolio of evidence)

NOTES

N/A

UNIT STANDARDS**(Note: A blank space after this line means that the qualification is not based on Unit Standards.)**

	UNIT STANDARD ID AND TITLE	LEVEL	CREDITS	STATUS
Core	13998 Demonstrate an understanding of the principles of supply and demand, and the concept: production	Level 1	2	Reregistered
Core	14656 Demonstrate an understanding of sexuality and sexually transmitted infections including HIV/AIDS	Level 1	5	Registered
Core	14664 Demonstrate knowledge of diversity within different relationships in the South African society	Level 1	3	Registered
Core	14792 Maintain health, hygiene and safety in a chemical environment	Level 1	10	Registered
Core	15092 Plan and manage personal finances	Level 1	5	Registered
Core	117222 Demonstrate understanding of basic production operations in a wood products environment	Level 1	10	Draft - Prep for P Comment
Core	117226 Keep work area and equipment clean and safe in a wood products plant	Level 1	5	Draft - Prep for P Comment
Core	117228 Perform manual handling in a wood products plant	Level 1	10	Draft - Prep for P Comment
Core	8420 Operate in a team	Level 2	4	Registered
Core	117231 Demonstrate understanding of details of equipment, processes and procedures in a wood products plant	Level 2	15	Draft - Prep for P Comment
Elective	12209 Select and use basic hand tools and materials	Level 1	4	Registered
Elective	117192 Spray and/or label bulk bins, boxes and/or pallets	Level 1	5	Draft - Prep for P Comment
Elective	117193 Manufacture bulk bins, boxes and/or pallets	Level 1	10	Draft - Prep for P Comment
Elective	117194 Inspect and repair bulk bins and/or pallets	Level 1	10	Draft - Prep for P Comment
Elective	117198 Receive, open and decant polybags	Level 1	5	Draft - Prep for P Comment
Elective	117203 Issue starch	Level 1	5	Draft - Prep for P Comment
Elective	117206 Fold, cut and fill bags	Level 1	5	Draft - Prep for P Comment
Elective	117238 Prepare impregnation solution	Level 1	4	Draft - Prep for P Comment
Elective	117239 Supply ignition paint and pack skillets	Level 1	3	Draft - Prep for P Comment
Elective	117242 Lay-up and lace veneer	Level 1	4	Draft - Prep for P Comment
Elective	117245 Apply ignition paint onto skillets	Level 1	4	Draft - Prep for P Comment
Elective	117248 Operate peeling machine	Level 1	10	Draft - Prep for P Comment
Elective	117249 Transfer composition from the compo room to vpo storage pots and supply to vpo on demand (side pots)	Level 1	4	Draft - Prep for P Comment
Elective	117250 Ensure VPO box band cleats are full for production.	Level 1	4	Draft - Prep for P Comment
Elective	117251 Ensure continuous supply of quality match boxes to wrapping process	Level 1	4	Draft - Prep for P Comment
Elective	117252 Maintain supply line of matchboxes to vat machine	Level 1	4	Draft - Prep for P Comment
Elective	117254 Ensure continuous flow of inner and outer boxes for VPO machine	Level 1	4	Draft - Prep for P Comment
Elective	117255 Collect and prepare wattle bark and "spents" for laboratory analysis	Level 1	12	Draft - Prep for P Comment
Elective	117257 Supply wattle bark to the bark chopping machine	Level 1	12	Draft - Prep for P Comment
Elective	117261 Demonstrate an understanding of timber roof truss manufacturing environment	Level 1	10	Draft - Prep for P Comment
Elective	117262 Monitor drying and polishing process	Level 1	10	Draft - Prep for P Comment
Elective	117265 Debark timber	Level 1	5	Draft - Prep for P Comment
Elective	117268 Cut poplar and pine logs into billets	Level 1	7	Draft - Prep for P Comment

Elective	117293 Sort and stack graded Veneer/ Plywood/ Block Board in Veneer/ Plywood/ Block Board plant	Level 1	5	Draft - Prep for P Comment
Elective	117605 Demonstrate understanding of details of equipment, processes and procedures in saw doctor shop in lumber mill	Level 1	15	Draft - Prep for P Comment
Elective	117195 Fill charcoal and or briquette bag	Level 2	10	Draft - Prep for P Comment
Elective	117197 Operate boiler, dryer and mixer	Level 2	5	Draft - Prep for P Comment
Elective	117199 Load and offload kilns	Level 2	10	Draft - Prep for P Comment
Elective	117201 Sew crepe	Level 2	10	Draft - Prep for P Comment
Elective	117204 Weigh and check-weigh bags	Level 2	15	Draft - Prep for P Comment
Elective	117207 Receive, offload, store and prepare for infed of timber into the fibreboard and chipboard plant	Level 2	18	Draft - Prep for P Comment
Elective	117210 Prepare dry flakes in the chipboard manufacturing process	Level 2	20	Draft - Prep for P Comment
Elective	117211 Receive, store and test bulk chemicals in the fibreboard and chipboard manufacturing process	Level 2	10	Draft - Prep for P Comment
Elective	117213 Monitor trimming and quality of fibreboard and chipboard after the pressing process	Level 2	15	Draft - Prep for P Comment
Elective	117216 Store melamine papers in the melamine faced board manufacturing process	Level 2	8	Draft - Prep for P Comment
Elective	117217 Grade product in the fibreboard, chipboard manufacturing process	Level 2	10	Draft - Prep for P Comment
Elective	117220 Lay-up paper in the melamine faced board manufacturing process	Level 2	10	Draft - Prep for P Comment
Elective	117221 Grade product in melamine faced board manufacturing process	Level 2	8	Draft - Prep for P Comment
Elective	117223 Wash chips in the fibreboard manufacturing process	Level 2	5	Draft - Prep for P Comment
Elective	117225 Perform basic lubrication in wood products production plant	Level 2	15	Draft - Prep for P Comment
Elective	117230 Operate machinery in a wood products environment	Level 2	11	Draft - Prep for P Comment
Elective	117234 Operate bar machine to form outer boxes	Level 2	10	Draft - Prep for P Comment
Elective	117236 Operate match skillet printing machine	Level 2	9	Draft - Prep for P Comment
Elective	117237 Operate machine to form inner boxes	Level 2	5	Draft - Prep for P Comment
Elective	117240 Prepare ignition paint	Level 2	10	Draft - Prep for P Comment
Elective	117246 Operate wrapping machine	Level 2	10	Draft - Prep for P Comment
Elective	117253 Ensure continuous supply of quality matchboxes to wrapping process	Level 2	4	Draft - Prep for P Comment
Elective	117259 Operate a wattle bark chopper machine	Level 2	16	Draft - Prep for P Comment
Elective	117264 Identify, collect and move timber for roof truss manufacturing	Level 2	15	Draft - Prep for P Comment
Elective	117267 Receive, sort and store incoming material into grades and sizes in a roof truss manufacturing environment	Level 2	15	Draft - Prep for P Comment
Elective	117276 Receive, sort and store incoming material into grades and sizes in a wood preservation plant	Level 2	15	Draft - Prep for P Comment
Elective	117281 Assist with the setting up and operation of the log yard of a wood preservation plant	Level 2	15	Draft - Prep for P Comment
Elective	117288 Grade Veneer/ Plywood/ Block board in veneer/ Plywood/ Block board plant	Level 2	20	Draft - Prep for P Comment
Elective	117300 Perform basic lubrication in relevant workplace in veneer/plywood/block board plant	Level 2	10	Draft - Prep for P Comment
Fundamental	7447 Working with numbers in various contexts	Level 1	6	Reregistered
Fundamental	7448 Work with patterns in various contexts	Level 1	4	Reregistered
Fundamental	7450 Work with measurement in a variety of contexts	Level 1	2	Reregistered
Fundamental	7451 Collect, analyse, use and communicate numerical data	Level 1	2	Reregistered
Fundamental	7463 Describe and represent objects and the environment in terms of shape, space, time and motion	Level 1	2	Reregistered

Fundamental	12462 Engage in a range of speaking and listening interactions for a variety of purposes	Level 1	6	Registered
Fundamental	12469 Read and respond to a range of text types	Level 1	6	Registered
Fundamental	12470 Write for a variety of different purposes	Level 1	6	Registered
Fundamental	12471 Explore and use a variety of strategies to learn (revised)	Level 1	5	Registered
Fundamental	14106 Demonstrate understanding of real and imaginary numbers and real number systems	Level 3	2	Reregistered



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

1

Apply ignition paint onto skillets

SAQA US ID	UNIT STANDARD TITLE		
117245	Apply ignition paint onto skillets		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 1	4

Specific Outcomes:**SPECIFIC OUTCOME 1**

Set up to paint skillets.

SPECIFIC OUTCOME 2

Fill and assemble ignition paint.

SPECIFIC OUTCOME 3

Inspect printed skillets.

SPECIFIC OUTCOME 4

Feed the skillets into the magazine and paint skillets.

SPECIFIC OUTCOME 5

Inspect painted skillet.

SPECIFIC OUTCOME 6

Pack completed skillets into a carton.

SPECIFIC OUTCOME 7

Remove the ignition paint trough and components clean, and shut down machine.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

2

Collect and prepare wattle bark and "spents" for laboratory analysis

SAQA US ID	UNIT STANDARD TITLE		
117255	Collect and prepare wattle bark and "spents" for laboratory analysis		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Forestry		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 1	12

Specific Outcomes:

SPECIFIC OUTCOME 1

Collect samples of wattle bark from deliveries and leached bark 'spents' from leaching process.

SPECIFIC OUTCOME 2

Prepare collected samples for analysis by laboratory personnel.

SPECIFIC OUTCOME 3

Undertake cleaning and other general duties in the laboratory.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

3

Cut poplar and pine logs into billets

SAQA US ID	UNIT STANDARD TITLE		
117268	Cut poplar and pine logs into billets		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Forestry		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 1	7

Specific Outcomes:**SPECIFIC OUTCOME 1**

Start the sawing machine.

SPECIFIC OUTCOME 2

Feed one log at a time into the saw.

SPECIFIC OUTCOME 3

Cut the logs into billets.

SPECIFIC OUTCOME 4

Shut down the sawing machine.

SPECIFIC OUTCOME 5

Clean Work Area.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

4

Debark timber

SAQA US ID	UNIT STANDARD TITLE		
117265	Debark timber		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Forestry		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 1	5

Specific Outcomes:

SPECIFIC OUTCOME 1

Check and start up the machine.

SPECIFIC OUTCOME 2

Feed logs into the machine.

SPECIFIC OUTCOME 3

Debark the logs.

SPECIFIC OUTCOME 4

Shut down the machine.

SPECIFIC OUTCOME 5

Clean the machine.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

5

Demonstrate an understanding of timber roof truss manufacturing environment

SAQA US ID	UNIT STANDARD TITLE		
117261	Demonstrate an understanding of timber roof truss manufacturing environment		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 1	10

Specific Outcomes:**SPECIFIC OUTCOME 1**

Identify material and tools required for timber roof truss manufacturing.

SPECIFIC OUTCOME 2

Demonstrate knowledge of the general functions of the equipment used for the manufacture of timber roof trusses.

SPECIFIC OUTCOME 3

Demonstrate an understanding of timber roof truss production flow.

SPECIFIC OUTCOME 4

Demonstrate knowledge of the general concept of raw material and product quality.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

6

Demonstrate understanding of basic production operations in a wood products environment

SAQA US ID	UNIT STANDARD TITLE		
117222	Demonstrate understanding of basic production operations in a wood products environment		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 1	10

Specific Outcomes:

SPECIFIC OUTCOME 1

Explain the main purpose of the organisation's operation.

SPECIFIC OUTCOME 2

Explain the general layout of the plant.

SPECIFIC OUTCOME 3

Explain the sequence of the production phases in the production process.

SPECIFIC OUTCOME 4

Explain the general functions of the major production equipment and stages in the operation.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

7

Demonstrate understanding of basics of veneer/plywood/block board operation

SAQA US ID	UNIT STANDARD TITLE		
117287	Demonstrate understanding of basics of veneer/plywood/block board operation		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Forestry		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 1	10

Specific Outcomes:

SPECIFIC OUTCOME 1

Describe the general lay out and purpose of the enterprise's veneer/plywood/block board operation.

SPECIFIC OUTCOME 2

Describe the "general layout" of the enterprise's veneer/plywood/block board operation.

SPECIFIC OUTCOME 3

Describe the sequence of the production phases in the veneer/plywood/block board operation.

SPECIFIC OUTCOME 4

Describe the general functions of the major production equipment and stages in the veneer/plywood/block board process.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

8

Demonstrate understanding of details of equipment, processes and procedures in saw doctor shop in lumber mill

SAQA US ID	UNIT STANDARD TITLE		
117605	Demonstrate understanding of details of equipment, processes and procedures in saw doctor shop in lumber mill		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 1	15

Specific Outcomes:

SPECIFIC OUTCOME 1

Explain correctly the specifics of the purpose and lay out of the relevant workplace.

SPECIFIC OUTCOME 2

Explain correctly the general functions of the major production equipment and stages in this workplace.

SPECIFIC OUTCOME 3

Explain correctly the sequence of the production phases in this workplace.

SPECIFIC OUTCOME 4

Explain correctly the work procedures, safety and health measures and environmental requirements pertaining to NQF Level 1 requirements for this workplace.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

9

Ensure VPO box band cleats are full for production.

SAQA US ID	UNIT STANDARD TITLE		
117250	Ensure VPO box band cleats are full for production.		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 1	4

Specific Outcomes:

SPECIFIC OUTCOME 1

Receive inners and outers.

SPECIFIC OUTCOME 2

Monitor continuous flow of inners and outers.

SPECIFIC OUTCOME 3

Monitor quality of inners and outers.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

10

Ensure continuous flow of inner and outer boxes for VPO machine

SAQA US ID	UNIT STANDARD TITLE		
117254	Ensure continuous flow of inner and outer boxes for VPO machine		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 1	4

Specific Outcomes:

SPECIFIC OUTCOME 1

Receive inner and outer boxes.

SPECIFIC OUTCOME 2

Monitor the quality of the inner and outer boxes.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

11

Ensure continuous supply of quality match boxes to wrapping process

SAQA US ID	UNIT STANDARD TITLE		
117251	Ensure continuous supply of quality match boxes to wrapping process		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Forestry		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 1	4

Specific Outcomes:**SPECIFIC OUTCOME 1**

Receive and inspect match boxes.

SPECIFIC OUTCOME 2

Monitor quality of match boxes.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

12

Fold, cut and fill bags

SAQA US ID	UNIT STANDARD TITLE		
117206	Fold, cut and fill bags		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 1	5

Specific Outcomes:

SPECIFIC OUTCOME 1

Fold Bags.

SPECIFIC OUTCOME 2

Label Bag and Balers.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

13

Inspect and repair bulk bins and/or pallets

SAQA US ID	UNIT STANDARD TITLE		
117194	Inspect and repair bulk bins and/or pallets		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Forestry		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 1	10

Specific Outcomes:**SPECIFIC OUTCOME 1**

Conduct Pre Shift Checks.

SPECIFIC OUTCOME 2

Receive and Inspect Bulk Bins and/or Pallets.

SPECIFIC OUTCOME 3

Repair Bulk Bins and/or Pallets.

SPECIFIC OUTCOME 4

Conduct Post Shift Safety Checks.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

14

Issue starch

SAQA US ID		UNIT STANDARD TITLE	
117203		Issue starch	
SGB NAME		ABET BAND	PROVIDER NAME
SGB Forestry		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 1	5

Specific Outcomes:

SPECIFIC OUTCOME 1

Control Receipt of Starch Supplies.

SPECIFIC OUTCOME 2

Issue starch.

SPECIFIC OUTCOME 3

Maintain starch stock levels.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

15

Keep work area and equipment clean and safe in a wood products plant

SAQA US ID	UNIT STANDARD TITLE		
117226	Keep work area and equipment clean and safe in a wood products plant		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Forestry		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 1	5

Specific Outcomes:**SPECIFIC OUTCOME 1**

Remove waste.

SPECIFIC OUTCOME 2

Collect and clean all tools and instruments not being used at any one time and store in the designated storage facility.

SPECIFIC OUTCOME 3

Report any obvious malfunction of tools, instruments and equipment.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

16

Keep work area clean in a veneer/plywood/block board plant

SAQA US ID	UNIT STANDARD TITLE		
117291	Keep work area clean in a veneer/plywood/block board plant		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 1	10

Specific Outcomes:

SPECIFIC OUTCOME 1

Remove waste from all surfaces in the relevant workplace.

SPECIFIC OUTCOME 2

Remove all waste generated above.

SPECIFIC OUTCOME 3

Collect and clean all tools and instruments not being used at any one time and store in the designated storage facility.

SPECIFIC OUTCOME 4

Report any obvious malfunction of tools, instruments and equipment.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

17

Lay-up and lace veneer

SAQA US ID	UNIT STANDARD TITLE		
117242	Lay-up and lace veneer		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 1	4

Specific Outcomes:**SPECIFIC OUTCOME 1**

Check the machine after the CAB Operator has started it.

SPECIFIC OUTCOME 2

Prepare for lay-up.

SPECIFIC OUTCOME 3

Check quality of veneer.

SPECIFIC OUTCOME 4

Feed veneer into the V.S.M.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

18

Maintain supply line of matchboxes to vat machine

SAQA US ID	UNIT STANDARD TITLE		
117252	Maintain supply line of matchboxes to vat machine		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 1	4

Specific Outcomes:

SPECIFIC OUTCOME 1

Maintain supply line of match boxes to VAT machine.

SPECIFIC OUTCOME 2

Control the quality of the matchboxes.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

19

Manufacture bulk bins, boxes and/or pallets

SAQA US ID	UNIT STANDARD TITLE		
117193	Manufacture bulk bins, boxes and/or pallets		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Forestry		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 1	10

Specific Outcomes:**SPECIFIC OUTCOME 1**

Conduct Pre Shift Checks.

SPECIFIC OUTCOME 2

Draw, Cut and Machine Timber.

SPECIFIC OUTCOME 3

Assemble Bulk Bin, Box and/or Pallet.

SPECIFIC OUTCOME 4

Conduct Post Shift Safety Checks.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

20

Monitor drying and polishing process

SAQA US ID	UNIT STANDARD TITLE		
117262	Monitor drying and polishing process		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Forestry		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 1	10

Specific Outcomes:

SPECIFIC OUTCOME 1

Conduct Pre-Start Up and Start Up Procedures.

SPECIFIC OUTCOME 2

Dry splints.

SPECIFIC OUTCOME 3

Clean and shut down the work area.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

21

Operate peeling machine

SAQA US ID	UNIT STANDARD TITLE		
117248	Operate peeling machine		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Forestry		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 1	10

Specific Outcomes:**SPECIFIC OUTCOME 1**

Start the machine

SPECIFIC OUTCOME 2

Process Veneer

SPECIFIC OUTCOME 3

Reject billet cores

SPECIFIC OUTCOME 4

Replace the blunt peeling knife

SPECIFIC OUTCOME 5

Replace the blunt trimming lancets

SPECIFIC OUTCOME 6

Shut down the Machine



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

22

Perform manual handling in a wood products plant

SAQA US ID	UNIT STANDARD TITLE		
117228	Perform manual handling in a wood products plant		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 1	10

Specific Outcomes:

SPECIFIC OUTCOME 1

Locate, identify and assemble the material, equipment, tools and instruments that have to be manually handled.

SPECIFIC OUTCOME 2

Pick up (lift) the load for movement to designated point of delivery.

SPECIFIC OUTCOME 3

Move/carry the load to designated point of delivery.

SPECIFIC OUTCOME 4

Deposit (put down) load at designated point of delivery.

SPECIFIC OUTCOME 5

Explain and carry out the safety and health measures in the relevant work area.

SPECIFIC OUTCOME 6

Explain and apply the environmental management aspects in the relevant work area.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

23

Perform manual handling in veneer/plywood/block board plant

SAQA US ID	UNIT STANDARD TITLE		
117294	Perform manual handling in veneer/plywood/block board plant		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 1	10

Specific Outcomes:

SPECIFIC OUTCOME 1

Locate, identify and assemble the material, equipment, tools and instruments that have to be manually handled.

SPECIFIC OUTCOME 2

Pick up (lift) the load for movement to designated point of delivery.

SPECIFIC OUTCOME 3

Move/carry the load to designated point of delivery.

SPECIFIC OUTCOME 4

Deposit (put down) load at designated point of delivery.

SPECIFIC OUTCOME 5

Explain and carry out the safety and health measures in the relevant work area.

SPECIFIC OUTCOME 6

Explain and apply the environmental management aspects in the relevant work area.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

24

Prepare impregnation solution

SAQA US ID	UNIT STANDARD TITLE		
117238	Prepare impregnation solution		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 1	4

Specific Outcomes:

SPECIFIC OUTCOME 1

Mix and test the Di-Ammonium Phosphate solution in the holding tank.

SPECIFIC OUTCOME 2

Conduct Di-Ammonium Phosphate test.

SPECIFIC OUTCOME 3

Conduct tests on dry splints.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

25

Receive, open and decant polybags

SAQA US ID	UNIT STANDARD TITLE		
117198	Receive, open and decant polybags		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Forestry		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 1	5

Specific Outcomes:**SPECIFIC OUTCOME 1**

Receive polybags filled with charcoal.

SPECIFIC OUTCOME 2

Open polybags and decant into charcoal chute.

SPECIFIC OUTCOME 3

Dispose of empty polybags.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

26

Sort and stack graded Veneer/ Plywood/ Block Board in Veneer/ Plywood/ Block Board plant

SAQA US ID	UNIT STANDARD TITLE		
117293	Sort and stack graded Veneer/ Plywood/ Block Board in Veneer/ Plywood/ Block Board plant		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Forestry		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 1	5

Specific Outcomes:

SPECIFIC OUTCOME 1

Identify grader's marks on graded Veneer/ Plywood/ Block Board.

SPECIFIC OUTCOME 2

Collect graded Veneer/ Plywood/ Block Board and stack in parcels containing similar grades and uniform dimensions.

SPECIFIC OUTCOME 3

Strap parcels/ stacks of graded and marked Veneer/ Plywood/ Block Board for despatch to next stage in the Veneer/ Plywood/ Block Board plant.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

27

Spray and/or label bulk bins, boxes and/or pallets

SAQA US ID	UNIT STANDARD TITLE		
117192	Spray and/or label bulk bins, boxes and/or pallets		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Forestry		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 1	5

Specific Outcomes:**SPECIFIC OUTCOME 1**

Conduct pre shift checks.

SPECIFIC OUTCOME 2

Receive, spray and/or label bulk bins, boxes and/or pallets.

SPECIFIC OUTCOME 3

Conduct post shift safety checks.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

28

Supply ignition paint and pack skillets

SAQA US ID	UNIT STANDARD TITLE		
117239	Supply ignition paint and pack skillets		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Forestry		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 1	3

Specific Outcomes:

SPECIFIC OUTCOME 1

Set up procedure.

SPECIFIC OUTCOME 2

Monitor and control quality of skillets.

SPECIFIC OUTCOME 3

Clean Machine Components.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

29

Supply wattle bark to the bark chopping machine

SAQA US ID	UNIT STANDARD TITLE		
117257	Supply wattle bark to the bark chopping machine		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 1	12

Specific Outcomes:

SPECIFIC OUTCOME 1

Collect and use all relevant tools and safety equipment.

SPECIFIC OUTCOME 2

Stack wattle bark bundles onto the chopper table.

SPECIFIC OUTCOME 3

Provide an even supply of wattle bark from the chopper table onto the chopper machine rollers and conveyor belt.

SPECIFIC OUTCOME 4

Ensure chopper machine and bark floor areas are kept clean and safe.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

30

Transfer composition from the compo room to vpo storage pots and supply to vpo on demand (side pots)

SAQA US ID	UNIT STANDARD TITLE		
117249	Transfer composition from the compo room to vpo storage pots and supply to vpo on demand (side pots)		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 1	4

Specific Outcomes:

SPECIFIC OUTCOME 1

Continually supply compo to the VPO side pots.

SPECIFIC OUTCOME 2

Control the quality of the compo.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

31

Assist with the setting up and operation of the log yard of a veneer/plywood/block board plant

SAQA US ID	UNIT STANDARD TITLE		
117303	Assist with the setting up and operation of the log yard of a veneer/plywood/block board plant		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Forestry		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 2	10

Specific Outcomes:**SPECIFIC OUTCOME 1**

Assist with offloading logs onto the log receiving deck/offloading deck.

SPECIFIC OUTCOME 2

Assist with sorting logs and storing equipment.

SPECIFIC OUTCOME 3

Aid with the setting up and operating of the debarking facility.

SPECIFIC OUTCOME 4

Assist with conditioning process of sorted debarked logs.

SPECIFIC OUTCOME 5

Aid with the feeding of sorted debarked logs to the peeler receiving deck.

SPECIFIC OUTCOME 6

Assist in keeping records of logs received at and processed at the peeler (log tallying).



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

32

Assist with the setting up and operation of the log yard of a wood preservation plant

SAQA US ID	UNIT STANDARD TITLE		
117281	Assist with the setting up and operation of the log yard of a wood preservation plant		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Forestry		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 2	15

Specific Outcomes:

SPECIFIC OUTCOME 1

Assist with offloading logs onto the log receiving deck/offloading deck

SPECIFIC OUTCOME 2

Assist with sorting logs and storing equipment

SPECIFIC OUTCOME 3

Aid with the setting up and operating of the debarking facility

SPECIFIC OUTCOME 4

Assist with conditioning process of sorted debarked logs

SPECIFIC OUTCOME 5

Aid with the feeding of sorted debarked logs to the Peeler receiving deck

SPECIFIC OUTCOME 6

Assist in keeping records of logs received at and processed at the Peeler (log tallying)



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

33

Assist with the setting up and operation of the peeling and drying processing facilities in the wet processing area of veneer/plywood/block board plant

SAQA US ID	UNIT STANDARD TITLE		
117307	Assist with the setting up and operation of the peeling and drying processing facilities in the wet processing area of veneer/plywood/block board plant		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Forestry		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 2	15

Specific Outcomes:

SPECIFIC OUTCOME 1

Assist in maintaining a regular/constant flow of materials through all the processing phases in the wet processing area.

SPECIFIC OUTCOME 2

Aid in the setting up of the peeling and drying processing equipment for production runs in the wet processing area.

SPECIFIC OUTCOME 3

Assist in the operation of the peeling and drying processing machines/equipment and materials handling equipment in the wet processing area.

SPECIFIC OUTCOME 4

Assist in the removal and disposal of wood waste in the wet processing area.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

34

Demonstrate understanding of details of equipment, processes and procedures in a wood products plant

SAQA US ID	UNIT STANDARD TITLE		
117231	Demonstrate understanding of details of equipment, processes and procedures in a wood products plant		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 2	15

Specific Outcomes:

SPECIFIC OUTCOME 1

Explain specifics of the purpose and lay out of the relevant workplace.

SPECIFIC OUTCOME 2

Explain the general functions of the major production equipment and stages in this workplace.

SPECIFIC OUTCOME 3

Explain the sequence of the production phases in this workplace.

SPECIFIC OUTCOME 4

Explain the work procedures, safety and health measures and environmental requirements pertaining to NQF Level 1 requirements for this workplace.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

35

Demonstrate understanding of details of equipment, processes and procedures in the finishing processing facilities within a wood products plant

SAQA US ID	UNIT STANDARD TITLE		
117296	Demonstrate understanding of details of equipment, processes and procedures in the finishing processing facilities within a wood products plant		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 2	15

Specific Outcomes:**SPECIFIC OUTCOME 1**

Explain specifics of the purpose and lay out of the Finishing Processing Facilities.

SPECIFIC OUTCOME 2

Explain the general functions of the major production equipment and stages the Finishing Processing Facilities.

SPECIFIC OUTCOME 3

Explain the sequence of the production phases the Finishing Processing Facilities.

SPECIFIC OUTCOME 4

Explain the work procedures, safety and health measures and environmental requirements pertaining to NQF Level 2 requirements for the Finishing Processing Facilities.



Established in terms of Act 58 of 1995

SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

36

Demonstrate understanding of details of equipment, processes and procedures in the pressing facilities within a wood products plant

SAQA US ID	UNIT STANDARD TITLE		
117299	Demonstrate understanding of details of equipment, processes and procedures in the pressing facilities within a wood products plant		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 2	15

Specific Outcomes:**SPECIFIC OUTCOME 1**

Explain specifics of the purpose and lay out of the Pressing Facilities.

SPECIFIC OUTCOME 2

Explain the general functions of the major production equipment and stages the Pressing Facilities.

SPECIFIC OUTCOME 3

Explain the sequence of the production phases the Pressing Facilities.

SPECIFIC OUTCOME 4

Explain the work procedures, safety and health measures and environmental requirements pertaining to NQF Level 2 requirements for the Pressing Facilities.



Established in terms of Act 58 of 1995

SOUTH AFRICAN QUALIFICATIONS AUTHORITY**UNIT STANDARD:**

37

Demonstrate understanding of details of equipment, processes and procedures in the upgrading processing area within a wood products plant

SAQA US ID	UNIT STANDARD TITLE		
117301	Demonstrate understanding of details of equipment, processes and procedures in the upgrading processing area within a wood products plant		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 2	15

Specific Outcomes:**SPECIFIC OUTCOME 1**

Explain specifics of the purpose and lay out of the Upgrading Processing Area.

SPECIFIC OUTCOME 2

Explain the general functions of the major production equipment and stages the Upgrading Processing Area.

SPECIFIC OUTCOME 3

Explain the sequence of the production phases the Upgrading Processing Area.

SPECIFIC OUTCOME 4

Explain the work procedures, safety and health measures and environmental requirements pertaining to NQF Level 2 requirements for the Upgrading Processing Area.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

38

Demonstrate understanding of details of equipment, processes and procedures in the wet processing area within a wood products plant

SAQA US ID	UNIT STANDARD TITLE		
117297	Demonstrate understanding of details of equipment, processes and procedures in the wet processing area within a wood products plant		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 2	15

Specific Outcomes:

SPECIFIC OUTCOME 1

Explain specifics of the purpose and lay out of the wet processing area.

SPECIFIC OUTCOME 2

Explain the general functions of the major production equipment and stages the wet processing area.

SPECIFIC OUTCOME 3

Explain the sequence of the production phases the wet processing area.

SPECIFIC OUTCOME 4

Explain the work procedures, safety and health measures and environmental requirements pertaining to NQF level 2 requirements for the wet processing area.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

39

Ensure continuous supply of quality matchboxes to wrapping process

SAQA US ID	UNIT STANDARD TITLE		
117253	Ensure continuous supply of quality matchboxes to wrapping process		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 2	4

Specific Outcomes:**SPECIFIC OUTCOME 1**

Receive and inspect match boxes.

SPECIFIC OUTCOME 2

Monitor process flow.

SPECIFIC OUTCOME 3

Monitor quality of match boxes.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

40

Fill charcoal and or briquette bag

SAQA US ID	UNIT STANDARD TITLE		
117195	Fill charcoal and or briquette bag		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 2	10

Specific Outcomes:

SPECIFIC OUTCOME 1

Prepare for production run.

SPECIFIC OUTCOME 2

Prepare charcoal/briquette bag to receive product.

SPECIFIC OUTCOME 3

Fill and forward bag.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

41

Grade Veneer/ Plywood/ Block board in veneer/ Plywood/ Block board plant

SAQA US ID	UNIT STANDARD TITLE		
117288	Grade Veneer/ Plywood/ Block board in veneer/ Plywood/ Block board plant		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 2	20

Specific Outcomes:**SPECIFIC OUTCOME 1**

Prepare the relevant grading facilities.

SPECIFIC OUTCOME 2

Access, prepare and present the ungraded Veneer/ Plywood/ Block Board for the grading process.

SPECIFIC OUTCOME 3

Grade Veneer/ Plywood/ Block Board.

SPECIFIC OUTCOME 4

Oversee the preparation of the graded Veneer/ Plywood/ Block Board for despatch (i.e. collection, sorting, parcelling, stamping the grade marks and strapping of parcels).



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

42

Grade product in melamine faced board manufacturing process

SAQA US ID	UNIT STANDARD TITLE		
117221	Grade product in melamine faced board manufacturing process		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Forestry		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 2	8

Specific Outcomes:

SPECIFIC OUTCOME 1

Grade Product.

SPECIFIC OUTCOME 2

Record Grading Results.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

43

Grade product in the fibreboard, chipboard manufacturing process

SAQA US ID	UNIT STANDARD TITLE		
117217	Grade product in the fibreboard, chipboard manufacturing process		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Forestry		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 2	10

Specific Outcomes:**SPECIFIC OUTCOME 1**

Grade Product.

SPECIFIC OUTCOME 2

Record Grading Results.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

44

Identify, collect and move timber for roof truss manufacturing

SAQA US ID	UNIT STANDARD TITLE		
117264	Identify, collect and move timber for roof truss manufacturing		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 2	15

Specific Outcomes:

SPECIFIC OUTCOME 1

Locate, identify and collect the timber for feeding into each production stage.

SPECIFIC OUTCOME 2

Supervise the moving of timber.

SPECIFIC OUTCOME 3

Collect timber components for transport to next production stage.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

45

Lay-up paper in the melamine faced board manufacturing process

SAQA US ID	UNIT STANDARD TITLE		
117220	Lay-up paper in the melamine faced board manufacturing process		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Forestry		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 2	10

Specific Outcomes:**SPECIFIC OUTCOME 1**

Load and align paper into the infeed facility.

SPECIFIC OUTCOME 2

Prepare the papers and substrate for pressing.

SPECIFIC OUTCOME 3

Clear the infeed facility of excess raw materials.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

46

Load and offload kilns

SAQA US ID	UNIT STANDARD TITLE		
117199	Load and offload kilns		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 2	10

Specific Outcomes:

SPECIFIC OUTCOME 1

Prepare kiln.

SPECIFIC OUTCOME 2

Load kiln.

SPECIFIC OUTCOME 3

Off load kiln.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

47

Monitor trimming and quality of fibreboard and chipboard after the pressing process

SAQA US ID	UNIT STANDARD TITLE		
117213	Monitor trimming and quality of fibreboard and chipboard after the pressing process		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Forestry		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 2	15

Specific Outcomes:**SPECIFIC OUTCOME 1**

Monitor trimming process.

SPECIFIC OUTCOME 2

Check quality of board, stacking of board and board markings.

SPECIFIC OUTCOME 3

Report quality trends.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

48

Operate a wattle bark chopper machine

SAQA US ID	UNIT STANDARD TITLE		
117259	Operate a wattle bark chopper machine		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 2	16

Specific Outcomes:

SPECIFIC OUTCOME 1

Ensure all personnel, equipment and sufficient bark is available and ready for operation.

SPECIFIC OUTCOME 2

Prepare and operate bark chopper machine.

SPECIFIC OUTCOME 3

Control delivery of bark into machine.

SPECIFIC OUTCOME 4

Respond to machine blockages.

SPECIFIC OUTCOME 5

Ensure chopper machine area is kept clean and safe.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

49

Operate bar machine to form outer boxes

SAQA US ID	UNIT STANDARD TITLE		
117234	Operate bar machine to form outer boxes		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 2	10

Specific Outcomes:**SPECIFIC OUTCOME 1**

Start the bar machine.

SPECIFIC OUTCOME 2

Process the skillets into outer boxes.

SPECIFIC OUTCOME 3

Shut down the bar machine.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

50

Operate boiler, dryer and mixer

SAQA US ID	UNIT STANDARD TITLE		
117197	Operate boiler, dryer and mixer		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 2	5

Specific Outcomes:

SPECIFIC OUTCOME 1

Prepare for pre-start coal production run.

SPECIFIC OUTCOME 2

Load boiler with coal.

SPECIFIC OUTCOME 3

Operate Mixer.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

51

Operate flaker in the chipboard manufacturing process

SAQA US ID	UNIT STANDARD TITLE		
117208	Operate flaker in the chipboard manufacturing process		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Forestry		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 2	18

Specific Outcomes:

SPECIFIC OUTCOME 1

Prepare for and Start Up Flaker.

SPECIFIC OUTCOME 2

Monitor the Flaker Performance.

SPECIFIC OUTCOME 3

Stop Flaker and Change Knife Rings.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

52

Operate machine to form inner boxes

SAQA US ID	UNIT STANDARD TITLE		
117237	Operate machine to form inner boxes		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Forestry		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 2	5

Specific Outcomes:

SPECIFIC OUTCOME 1

Conduct pre start checks on machine.

SPECIFIC OUTCOME 2

Change and thread the reel.

SPECIFIC OUTCOME 3

Inspect inner boxes.

SPECIFIC OUTCOME 4

Clean the machine.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

53

Operate machinery in a wood products environment

SAQA US ID	UNIT STANDARD TITLE		
117230	Operate machinery in a wood products environment		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Forestry		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 2	11

Specific Outcomes:**SPECIFIC OUTCOME 1**

Prepare for and Start Up Machine.

SPECIFIC OUTCOME 2

Monitor the Machine.

SPECIFIC OUTCOME 3

Stop Machine.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

54

Operate match skillet printing machine

SAQA US ID	UNIT STANDARD TITLE		
117236	Operate match skillet printing machine		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 2	9

Specific Outcomes:

SPECIFIC OUTCOME 1

Check and Set Up Machine.

SPECIFIC OUTCOME 2

Check the Gravure and printing unit.

SPECIFIC OUTCOME 3

Conduct the process control test.

SPECIFIC OUTCOME 4

Record raw material data and Process control checks.

SPECIFIC OUTCOME 5

Monitor and control quality of skillets.

SPECIFIC OUTCOME 6

Shut down and clean the machine.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

55

Operate wrapping machine

SAQA US ID	UNIT STANDARD TITLE		
117246	Operate wrapping machine		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Forestry		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 2	10

Specific Outcomes:

SPECIFIC OUTCOME 1

Start the VAT machine.

SPECIFIC OUTCOME 2

Process the match boxes into match packets.

SPECIFIC OUTCOME 3

Maintain supply line of match boxes to VAT machine.

SPECIFIC OUTCOME 4

Check quality of product.

SPECIFIC OUTCOME 5

Shutdown the VAT machine.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

56

Perform basic lubrication in relevant workplace in veneer/plywood/block board plant

SAQA US ID	UNIT STANDARD TITLE		
117300	Perform basic lubrication in relevant workplace in veneer/plywood/block board plant		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 2	10

Specific Outcomes:

SPECIFIC OUTCOME 1

Explain the procedures for the basic lubrication programme for the facilities in the relevant workplace in the plant.

SPECIFIC OUTCOME 2

Describe the cleaning equipment, materials and other aids to be used in the process.

SPECIFIC OUTCOME 3

Describe the storage location and inventory proceedings for the lubrication materials and tools.

SPECIFIC OUTCOME 4

Perform the basic lubrication programme.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

57

Perform basic lubrication in wood products production plant

SAQA US ID	UNIT STANDARD TITLE		
117225	Perform basic lubrication in wood products production plant		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Forestry		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 2	15

Specific Outcomes:**SPECIFIC OUTCOME 1**

Explain the procedures for the basic lubrication programme for the facilities in the relevant workplace in the plant.

SPECIFIC OUTCOME 2

Describe the cleaning equipment, materials and other aids to be used in the process.

SPECIFIC OUTCOME 3

Describe the storage location and inventory proceedings for the lubrication materials and tools.

SPECIFIC OUTCOME 4

Perform the basic lubrication programme.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

58

Prepare dry flakes in the chipboard manufacturing process

SAQA US ID	UNIT STANDARD TITLE		
117210	Prepare dry flakes in the chipboard manufacturing process		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 2	20

Specific Outcomes:

SPECIFIC OUTCOME 1

Operate the dryer.

SPECIFIC OUTCOME 2

Control the outfeed moisture content.

SPECIFIC OUTCOME 3

Monitor and regulate the throughput of the dryer.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

59

Prepare ignition paint

SAQA US ID	UNIT STANDARD TITLE		
117240	Prepare ignition paint		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Forestry		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 2	10

Specific Outcomes:**SPECIFIC OUTCOME 1**

Start the ignition paint mixing operation.

SPECIFIC OUTCOME 2

Process Ignition paint mixing operation.

SPECIFIC OUTCOME 3

Shut down the ignition paint mixing operation.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

60

Receive, offload, store and prepare for infeed of timber into the fibreboard and chipboard plant

SAQA US ID	UNIT STANDARD TITLE		
117207	Receive, offload, store and prepare for infeed of timber into the fibreboard and chipboard plant		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Forestry		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
MET-MNA-2-SGB FOREST	Regular	Level 2	18

Specific Outcomes:**SPECIFIC OUTCOME 1**

Receive and inspect incoming timber.

SPECIFIC OUTCOME 2

Offload and store timber for production.

SPECIFIC OUTCOME 3

Prepare timber for infeed into plant.



Established in terms of Act 58 of 1995

SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

61

Receive, sort and store incoming material into grades and sizes in a roof truss manufacturing environment

SAQA US ID	UNIT STANDARD TITLE		
117267	Receive, sort and store incoming material into grades and sizes in a roof truss manufacturing environment		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 2	15

Specific Outcomes:**SPECIFIC OUTCOME 1**

Sort timber into size, grades and length categories and identify plate sizes for correct product storage.

SPECIFIC OUTCOME 2

Identify, locate, handle and store material in appropriate storage areas.

SPECIFIC OUTCOME 3

Maintain storage facilities.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

62

Receive, sort and store incoming material into grades and sizes in a wood preservation plant

SAQA US ID	UNIT STANDARD TITLE		
117276	Receive, sort and store incoming material into grades and sizes in a wood preservation plant		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Forestry		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 2	15

Specific Outcomes:

SPECIFIC OUTCOME 1

Sort timber into size, grades and length categories

SPECIFIC OUTCOME 2

Identify, locate, handle and store material in appropriate storage areas.

SPECIFIC OUTCOME 3

Maintain storage facilities



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

63

Receive, store and test bulk chemicals in the fibreboard and chipboard manufacturing process

SAQA US ID	UNIT STANDARD TITLE		
117211	Receive, store and test bulk chemicals in the fibreboard and chipboard manufacturing process		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 2	10

Specific Outcomes:

SPECIFIC OUTCOME 1

Receive and offload chemicals.

SPECIFIC OUTCOME 2

Perform routine laboratory tests on representative samples.

SPECIFIC OUTCOME 3

Perform stock control procedures.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

64

Sew crepe

SAQA US ID		UNIT STANDARD TITLE	
117201		Sew crepe	
SGB NAME		ABET BAND	PROVIDER NAME
SGB Forestry		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 2	10

Specific Outcomes:

SPECIFIC OUTCOME 1

Prepare for production run.

SPECIFIC OUTCOME 2

Sew crepe.

SPECIFIC OUTCOME 3

Dispose of all off-cuts.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

65

Store melamine papers in the melamine faced board manufacturing process

SAQA US ID	UNIT STANDARD TITLE		
117216	Store melamine papers in the melamine faced board manufacturing process		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 2	8

Specific Outcomes:**SPECIFIC OUTCOME 1**

Receive and pack melamine treated papers into the paper store.

SPECIFIC OUTCOME 2

Turn over the paper stacks.

SPECIFIC OUTCOME 3

Issue papers to production.

SPECIFIC OUTCOME 4

Monitor and maintain storage facility.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

66

Wash chips in the fibreboard manufacturing process

SAQA US ID	UNIT STANDARD TITLE		
117223	Wash chips in the fibreboard manufacturing process		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 2	5

Specific Outcomes:

SPECIFIC OUTCOME 1

Operate the chip washer.

SPECIFIC OUTCOME 2

Set the timers of the metal traps.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

67

Weigh and check-weigh bags

SAQA US ID	UNIT STANDARD TITLE		
117204	Weigh and check-weigh bags		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Forestry		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 2	15

Specific Outcomes:**SPECIFIC OUTCOME 1**

Receive bags.

SPECIFIC OUTCOME 2

Weigh bags.

SPECIFIC OUTCOME 3

Check-weigh bags



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

68

Apply quality control in the wood preservation plant

SAQA US ID		UNIT STANDARD TITLE	
117275		Apply quality control in the wood preservation plant	
SGB NAME		ABET BAND	PROVIDER NAME
SGB Forestry		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 3	10

Specific Outcomes:

SPECIFIC OUTCOME 1

Select the required samples for inspecting the quality of the grading of incoming material, of strength tests on products and of the quality of treatment of products.

SPECIFIC OUTCOME 2

Apply the correct inspection procedures to examine these samples for the characteristics determining the relevant prescribed quality.

SPECIFIC OUTCOME 3

Apply and record the markings in the correct positions on the final treated products to indicate the results of the inspections.

SPECIFIC OUTCOME 4

Check operational settings on the relevant processing equipment for producing the processed poles for the required products for the wood preservation process.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

69

Assist in the leaching process

SAQA US ID	UNIT STANDARD TITLE		
117260	Assist in the leaching process		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 3	20

Specific Outcomes:**SPECIFIC OUTCOME 1**

Operate in close liaison with leaching operator.

SPECIFIC OUTCOME 2

Assist in preparing autoclave and commence leaching process.

SPECIFIC OUTCOME 3

Assist in discharging autoclave at the end of leaching cycle.

SPECIFIC OUTCOME 4

Ensures autoclave section is clean at all times.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

70

Control and monitor mat formation in the fibreboard and chipboard manufacturing process

SAQA US ID	UNIT STANDARD TITLE		
117209	Control and monitor mat formation in the fibreboard and chipboard manufacturing process		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Forestry		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 3	20

Specific Outcomes:

SPECIFIC OUTCOME 1

Prepare Raw Materials for Mat Formation.

SPECIFIC OUTCOME 2

Operate mat forming section and monitor and regulate the material flow.

SPECIFIC OUTCOME 3

Monitor and regulate moisture content on Mat.

SPECIFIC OUTCOME 4

Set up Pre-Press and Cutting Device.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

71

Control application of match head composition

SAQA US ID	UNIT STANDARD TITLE		
117243	Control application of match head composition		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 3	16

Specific Outcomes:**SPECIFIC OUTCOME 1**

Assemble and start the Compo table.

SPECIFIC OUTCOME 2

Maintain the process specification.

SPECIFIC OUTCOME 3

Shut down and dismantle the machine.

SPECIFIC OUTCOME 4

Prepare and clean the Compo table.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

72

Control basic maintenance and lubrication programme in relevant workplace in veneer/plywood/block board plant

SAQA US ID	UNIT STANDARD TITLE		
117309	Control basic maintenance and lubrication programme in relevant workplace in veneer/plywood/block board plant		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 3	15

Specific Outcomes:

SPECIFIC OUTCOME 1

Demonstrate an understanding of the purpose of, and how to control, the basic maintenance and lubrication programme for the relevant workplace.

SPECIFIC OUTCOME 2

Demonstrate an understanding of the functions, the purpose and the methods of application of the basic maintenance and lubrication equipment and materials.

SPECIFIC OUTCOME 3

Control the storage facilities and keeping inventory of the basic maintenance and lubrication equipment and materials.

SPECIFIC OUTCOME 4

Oversee the basic maintenance and lubrication of the equipment in the relevant workplace.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

73

Control process of treating wood with wood preservative

SAQA US ID	UNIT STANDARD TITLE		
117278	Control process of treating wood with wood preservative		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Forestry		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 3	10

Specific Outcomes:**SPECIFIC OUTCOME 1**

Control the management of the timber preservatives used in the wood preservation plant.

SPECIFIC OUTCOME 2

Manage the loading of products to be treated.

SPECIFIC OUTCOME 3

Manage the operation of the treating process.

SPECIFIC OUTCOME 4

Conduct retention and penetration tests.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

74

Control production process to produce debarked and seasoned poles

SAQA US ID	UNIT STANDARD TITLE		
117279	Control production process to produce debarked and seasoned poles		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Forestry		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 3	10

Specific Outcomes:

SPECIFIC OUTCOME 1

Control the setting up of the different pieces of equipment to produce the required products.

SPECIFIC OUTCOME 2

Manage the process of transferring the poles received from the seasoning process to the relevant work area for inspection and classification.

SPECIFIC OUTCOME 3

Inspect, classify and collect batches of cambium and bark free poles for the relevant processes.

SPECIFIC OUTCOME 4

Control the processing of the relevant poles to produce the required products.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

75

Control receipt of incoming material (poles and/or sawn lumber) for wood preservation process

SAQA US ID	UNIT STANDARD TITLE		
117285	Control receipt of incoming material (poles and/or sawn lumber) for wood preservation process		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Forestry		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 3	5

Specific Outcomes:**SPECIFIC OUTCOME 1**

Supervise the identification of the loads of materials coming into the wood preservation plant.

SPECIFIC OUTCOME 2

Monitor the recording of the relevant details of each incoming load of wood.

SPECIFIC OUTCOME 3

Check the accuracy of the estimation or calculation of the volume of each load of incoming material.

SPECIFIC OUTCOME 4

Supervise the unloading of each incoming consignment of material.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

76

Control veneer/ plywood/ block board grading process in veneer/ plywood/ block board plant

SAQA US ID	UNIT STANDARD TITLE		
117284	Control veneer/ plywood/ block board grading process in veneer/ plywood/ block board plant		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Forestry		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 3	20

Specific Outcomes:

SPECIFIC OUTCOME 1

Check that Veneer/ Plywood/ Block Board grading facility is prepared.

SPECIFIC OUTCOME 2

Check that the products to be graded have been correctly identified, collected and presented at the grading facility.

SPECIFIC OUTCOME 3

Control the actual grading process.

SPECIFIC OUTCOME 4

Oversee the correct sorting and assembling into parcels of graded Veneer/ Plywood/ Block Board with similar dimensions and grader's markings.

SPECIFIC OUTCOME 5

Oversee the correct stacking, stamping/ marking and strapping of graded and marked products into prescribed size parcels for despatch.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

77

Cut and prepare timber for roof truss assembly

SAQA US ID		UNIT STANDARD TITLE	
117272		Cut and prepare timber for roof truss assembly	
SGB NAME		ABET BAND	PROVIDER NAME
SGB Forestry		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 3	20

Specific Outcomes:**SPECIFIC OUTCOME 1**

Participate in the selecting of material for cutting.

SPECIFIC OUTCOME 2

Calibrate and set up cutting equipment.

SPECIFIC OUTCOME 3

Cut timber.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

78

Demonstrate knowledge and understanding of the structure of wood and how it relates to its appearance, strength, and water retention

SAQA US ID	UNIT STANDARD TITLE		
117282	Demonstrate knowledge and understanding of the structure of wood and how it relates to its appearance, strength, and water retention		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Forestry		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 3	15

Specific Outcomes:

SPECIFIC OUTCOME 1

Describe the fine (microscopic) structure of wood, i.e. the "units".

SPECIFIC OUTCOME 2

Describe how this relates to the weight (density) and strength of wood.

SPECIFIC OUTCOME 3

Explain the influence these units have on the appearance of wood.

SPECIFIC OUTCOME 4

Explain how wood holds water.

SPECIFIC OUTCOME 5

Explain why and how wood shrinks and swells ("moves").



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

79

Dry and store fibre in the fibreboard process

SAQA US ID	UNIT STANDARD TITLE		
117224	Dry and store fibre in the fibreboard process		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Forestry		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 3	10

Specific Outcomes:

SPECIFIC OUTCOME 1

Dry Fibre.

SPECIFIC OUTCOME 2

Store Fibre.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

80

Load and off-load trusses and auxiliary material and all other hardware products

SAQA US ID	UNIT STANDARD TITLE		
117271	Load and off-load trusses and auxiliary material and all other hardware products		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 3	20

Specific Outcomes:

SPECIFIC OUTCOME 1

Participate in the lifting of trusses from storage area handle and load onto transport vehicle.

SPECIFIC OUTCOME 2

Participate in drawing Auxiliary material and all other hardware products from store and load onto transport vehicle.

SPECIFIC OUTCOME 3

Demonstrate knowledge of off-loading Timber Roof Trusses and Auxiliary Material and all other hardware.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

81

Load mat and press board in the chipboard manufacturing process

SAQA US ID	UNIT STANDARD TITLE		
117212	Load mat and press board in the chipboard manufacturing process		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 3	15

Specific Outcomes:**SPECIFIC OUTCOME 1**

Prepare for Pre-loading and Loading of press.

SPECIFIC OUTCOME 2

Set up Press for Production.

SPECIFIC OUTCOME 3

Monitor Pressing Process.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

82

Load press board in the melamine faced board manufacturing process

SAQA US ID	UNIT STANDARD TITLE		
117218	Load press board in the melamine faced board manufacturing process		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 3	15

Specific Outcomes:

SPECIFIC OUTCOME 1

Prepare for Pre-loading and Loading of press.

SPECIFIC OUTCOME 2

Set up Press for Production.

SPECIFIC OUTCOME 3

Monitor Pressing Process.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

83

Manage classification and grading of poles and timber for wood preservation

SAQA US ID	UNIT STANDARD TITLE		
117277	Manage classification and grading of poles and timber for wood preservation		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 3	5

Specific Outcomes:**SPECIFIC OUTCOME 1**

Manage the grading and classifying of debarked poles and timber.

SPECIFIC OUTCOME 2

Oversee the identification and removal of reject poles and timber for further processing.

SPECIFIC OUTCOME 3

Manage the recording of the results of the grading and classifying process.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

84

Manage debarking of poles and logs for wood preservation

SAQA US ID	UNIT STANDARD TITLE		
117283	Manage debarking of poles and logs for wood preservation		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Forestry		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 3	5

Specific Outcomes:

SPECIFIC OUTCOME 1

Supervise the preparation for the bark removal process.

SPECIFIC OUTCOME 2

Manage the debarking process.

SPECIFIC OUTCOME 3

Inspect debarked poles and logs.

SPECIFIC OUTCOME 4

Check that the debarking area is kept clean and safe.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

85

Manage pole peeling operation for wood preservation

SAQA US ID	UNIT STANDARD TITLE		
117280	Manage pole peeling operation for wood preservation		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 3	5

Specific Outcomes:**SPECIFIC OUTCOME 1**

Supervise the preparation for the pole peeling process.

SPECIFIC OUTCOME 2

Manage the peeling process.

SPECIFIC OUTCOME 3

Inspect poles.

SPECIFIC OUTCOME 4

Ensure that the peeling area is kept clean and safe.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

86

Operate and control the leaching process

SAQA US ID	UNIT STANDARD TITLE		
117258	Operate and control the leaching process		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Forestry		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 3	20

Specific Outcomes:

SPECIFIC OUTCOME 1

Communicate with off-going and on-coming leaching operator with regard to the process situation.

SPECIFIC OUTCOME 2

Prepare autoclave and commence leaching process.

SPECIFIC OUTCOME 3

Ensure efficient leaching and pumping operation.

SPECIFIC OUTCOME 4

Discharge autoclave at end of leaching cycle.

SPECIFIC OUTCOME 5

Ensure autoclave section is kept clean.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

87

Operate sanding process in the fibreboard and chipboard process

SAQA US ID	UNIT STANDARD TITLE		
117214	Operate sanding process in the fibreboard and chipboard process		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 3	12

Specific Outcomes:**SPECIFIC OUTCOME 1**

Load product onto the infeed conveyor.

SPECIFIC OUTCOME 2

Operate the stack infeed controls.

SPECIFIC OUTCOME 3

Set up the sander heads.

SPECIFIC OUTCOME 4

Change the sander belts.

SPECIFIC OUTCOME 5

Record Data.

SPECIFIC OUTCOME 6

Attend to sander malfunctions.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

88

Plaster and seal kilns

SAQA US ID	UNIT STANDARD TITLE		
117205	Plaster and seal kilns		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 3	10

Specific Outcomes:

SPECIFIC OUTCOME 1

Prepare plaster for sealing kiln.

SPECIFIC OUTCOME 2

Plaster and seal kiln.

SPECIFIC OUTCOME 3

Maintain sealed kiln.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

89

Prepare and mix match head composition

SAQA US ID	UNIT STANDARD TITLE		
117247	Prepare and mix match head composition		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 3	15

Specific Outcomes:**SPECIFIC OUTCOME 1**

Prepare for Compo Mixing Operation.

SPECIFIC OUTCOME 2

Process the compo.

SPECIFIC OUTCOME 3

Check the quality of the product.

SPECIFIC OUTCOME 4

Shutdown the compo mixing process.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

90

Set jig, assemble, press, handle and store nail plated timber roof trusses

SAQA US ID	UNIT STANDARD TITLE		
117263	Set jig, assemble, press, handle and store nail plated timber roof trusses		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Forestry		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 3	20

Specific Outcomes:

SPECIFIC OUTCOME 1

Select and move pre-cut timber and nail plates.

SPECIFIC OUTCOME 2

Set jig for assembly of nail plated timber roof trusses.

SPECIFIC OUTCOME 3

Assemble pre-cut timber and nail plates in jig and press timber roof trusses.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

91

Set up and control wet/dry hogging production facilities in wet/dry processing area of a veneer / plywood / block board plant

SAQA US ID	UNIT STANDARD TITLE		
117292	Set up and control wet/dry hogging production facilities in wet/dry processing area of a veneer / plywood / block board plant		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 3	10

Specific Outcomes:**SPECIFIC OUTCOME 1**

Collect and set up tools and equipment.

SPECIFIC OUTCOME 2

Operate the Wet/Dry Hogging equipment.

SPECIFIC OUTCOME 3

Carry out routine maintenance and lubrication of chip production and ancillary handling equipment.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

92

Set up and operate board cross-cutting / trimming facilities in the dry processing area of veneer / plywood / block board plant

SAQA US ID	UNIT STANDARD TITLE		
117298	Set up and operate board cross-cutting / trimming facilities in the dry processing area of veneer / plywood / block board plant		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 3	5

Specific Outcomes:

SPECIFIC OUTCOME 1

Collect and set up tools and equipment.

SPECIFIC OUTCOME 2

Operate cross-cutting / trimming equipment.

SPECIFIC OUTCOME 3

Carry out routine maintenance and lubrication of board cross-cutting / trimming and ancillary handling equipment.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

93

Set up and operate board edging and squaring facilities in the dry processing area of veneer / plywood / block board plant

SAQA US ID	UNIT STANDARD TITLE		
117295	Set up and operate board edging and squaring facilities in the dry processing area of veneer / plywood / block board plant		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 3	5

Specific Outcomes:

SPECIFIC OUTCOME 1

Collect and set up tools and equipment.

SPECIFIC OUTCOME 2

Operate board edging and squaring equipment.

SPECIFIC OUTCOME 3

Carry out routine maintenance and lubrication of board edging and squaring equipment and ancillary handling equipment.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

94

Set up and operate drying facilities in wet processing area of veneer / plywood / block board plant

SAQA US ID	UNIT STANDARD TITLE		
117310	Set up and operate drying facilities in wet processing area of veneer / plywood / block board plant		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Forestry		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 3	10

Specific Outcomes:

SPECIFIC OUTCOME 1

Collect and set up tools and equipment.

SPECIFIC OUTCOME 2

Operate drying equipment.

SPECIFIC OUTCOME 3

Carry out routine maintenance and lubrication of drying and ancillary handling equipment.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

95

Set up and operate glue mixing, handling and storage facilities in dry processing area of veneer / plywood / block board plant

SAQA US ID	UNIT STANDARD TITLE		
117286	Set up and operate glue mixing, handling and storage facilities in dry processing area of veneer / plywood / block board plant		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 3	10

Specific Outcomes:**SPECIFIC OUTCOME 1**

Collect and set up tools and equipment.

SPECIFIC OUTCOME 2

Operate and control glue mixing, handling and storage equipment.

SPECIFIC OUTCOME 3

Carry out routine maintenance and lubrication of glue mixing and recording equipment.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

96

Set up and operate log debarking and conditioning facilities in wet processing area of veneer/plywood/block board plant

SAQA US ID	UNIT STANDARD TITLE		
117311	Set up and operate log debarking and conditioning facilities in wet processing area of veneer/plywood/block board plant		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Forestry		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 3	5

Specific Outcomes:

SPECIFIC OUTCOME 1

Assemble all the tools and equipment required to set up and operate the debarking /conditioning facility.

SPECIFIC OUTCOME 2

Set up and test of the debarking/conditioning facility.

SPECIFIC OUTCOME 3

Operate the debarking/conditioning facility.

SPECIFIC OUTCOME 4

Control the quantity and quality of debarked/conditioned logs processed through the debarker(s)/conditioning facilities.

SPECIFIC OUTCOME 5

Complete routine maintenance and lubrication schedules of the debarking facility.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

97

Set up and operate log handling, sorting and storage facilities (log yard / deck) in wet processing area of veneer/plywood/block board plant

SAQA US ID	UNIT STANDARD TITLE		
117302	Set up and operate log handling, sorting and storage facilities (log yard / deck) in wet processing area of veneer/plywood/block board plant		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 3	15

Specific Outcomes:**SPECIFIC OUTCOME 1**

Collect tools required for log handling and sorting in the log yard.

SPECIFIC OUTCOME 2

Set up the log handling, sorting and storage facilities system.

SPECIFIC OUTCOME 3

Control the log yard operations.

SPECIFIC OUTCOME 4

Control log yard throughput and quality.

SPECIFIC OUTCOME 5

Carry out routine maintenance and lubrication of log yard handling and recording equipment.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

98

Set up and operate peeling/ slicing facilities in wet processing area of veneer / plywood / block board plant

SAQA US ID	UNIT STANDARD TITLE		
117305	Set up and operate peeling/ slicing facilities in wet processing area of veneer / plywood / block board plant		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 3	10

Specific Outcomes:

SPECIFIC OUTCOME 1

Collect and set up tools and equipment.

SPECIFIC OUTCOME 2

Operate peeling / slicing equipment.

SPECIFIC OUTCOME 3

Carry out routine maintenance and lubrication of log breakdown and ancillary handling equipment.



Established in terms of Act 58 of 1995

SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

99

Set up and operate pressing facilities in dry processing area of veneer / plywood / block board plant

SAQA US ID	UNIT STANDARD TITLE		
117289	Set up and operate pressing facilities in dry processing area of veneer / plywood / block board plant		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 3	10

Specific Outcomes:**SPECIFIC OUTCOME 1**

Collect and set up tools and equipment.

SPECIFIC OUTCOME 2

Operate pressing equipment.

SPECIFIC OUTCOME 3

Carry out routine maintenance and lubrication of pressing and ancillary handling equipment.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

100

Set up and operate sanding facilities in the dry processing area of veneer / plywood / block board plant

SAQA US ID	UNIT STANDARD TITLE		
117290	Set up and operate sanding facilities in the dry processing area of veneer / plywood / block board plant		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Forestry		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 3	10

Specific Outcomes:

SPECIFIC OUTCOME 1

Collect and set up tools and equipment.

SPECIFIC OUTCOME 2

Operate the sanding equipment.

SPECIFIC OUTCOME 3

Carry out routine maintenance and lubrication of sanding facilities and ancillary handling equipment.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

101

Set up and operate veneer upgrading processing facilities in dry processing area of veneer/plywood/block board plant

SAQA US ID	UNIT STANDARD TITLE		
117312	Set up and operate veneer upgrading processing facilities in dry processing area of veneer/plywood/block board plant		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 3	10

Specific Outcomes:**SPECIFIC OUTCOME 1**

Collect and set up tools and equipment.

SPECIFIC OUTCOME 2

Operate the veneer upgrading processing facilities equipment.

SPECIFIC OUTCOME 3

Carry out routine maintenance and lubrication of veneer upgrading and ancillary handling equipment.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

102

Stack, load and palletise bags of charcoal and/or briquettes

SAQA US ID	UNIT STANDARD TITLE		
117202	Stack, load and palletise bags of charcoal and/or briquettes		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 3	15

Specific Outcomes:

SPECIFIC OUTCOME 1

Stack and unstack charcoal and/or briquettes.

SPECIFIC OUTCOME 2

Load bags of charcoal and/or briquettes.

SPECIFIC OUTCOME 3

Palletise bags of charcoal and/or briquettes.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

103

Supervise loading of container

SAQA US ID	UNIT STANDARD TITLE		
117200	Supervise loading of container		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 3	25

Specific Outcomes:**SPECIFIC OUTCOME 1**

Collect despatch sheets.

SPECIFIC OUTCOME 2

Ensure container is prepared for loading.

SPECIFIC OUTCOME 3

Instruct loading team to load product according to the loading sheet.

SPECIFIC OUTCOME 4

Check and record loaded product.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

104

Supervise the wattle bark chopping operation

SAQA US ID	UNIT STANDARD TITLE		
117256	Supervise the wattle bark chopping operation		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Forestry		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 3	20

Specific Outcomes:

SPECIFIC OUTCOME 1

Liaise with off-going and on-coming leading hands.

SPECIFIC OUTCOME 2

Distribute and retrieve tools and safety equipment to the chopper crews.

SPECIFIC OUTCOME 3

Ensure chopper machines are serviceable and crews are ready for operation.

SPECIFIC OUTCOME 4

Check quality of bark chips on the top floor conveyor.

SPECIFIC OUTCOME 5

Ensure that the bark floor and all chopper machine areas are kept clean and safe.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

105

Assure quality in the fibreboard and chipboard manufacturing process

SAQA US ID	UNIT STANDARD TITLE		
117219	Assure quality in the fibreboard and chipboard manufacturing process		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 4	20

Specific Outcomes:**SPECIFIC OUTCOME 1**

Sample and Test Additives, Chemicals & Other Raw Materials.

SPECIFIC OUTCOME 2

Sample and Test In Process Materials.

SPECIFIC OUTCOME 3

Sample and Test Final Products.

SPECIFIC OUTCOME 4

Monitor and Record Processing Information.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

106

Conduct routine maintenance in relevant work areas in wood products environment

SAQA US ID	UNIT STANDARD TITLE		
117232	Conduct routine maintenance in relevant work areas in wood products environment		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 4	15

Specific Outcomes:

SPECIFIC OUTCOME 1

Conduct the organisation's routine lubrication and repair activities in the relevant work area.

SPECIFIC OUTCOME 2

Record the programme of routine lubrication and repair work.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

107

Control production in relevant work areas in wood products plant

SAQA US ID	UNIT STANDARD TITLE		
117227	Control production in relevant work areas in wood products plant		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 4	15

Specific Outcomes:**SPECIFIC OUTCOME 1**

Initiate production runs.

SPECIFIC OUTCOME 2

Monitor and record the progress of production and quality of output.

SPECIFIC OUTCOME 3

Adapt production process if relevant to achieve output targets.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

108

Demonstrate knowledge and understanding of the influence of wood structure, its properties and production factors on quality in a wood products environment

SAQA US ID	UNIT STANDARD TITLE		
117235	Demonstrate knowledge and understanding of the influence of wood structure, its properties and production factors on quality in a wood products environment		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 4	15

Specific Outcomes:

SPECIFIC OUTCOME 1

Explain the wood quality requirements generally specified by the main users of wood products.

SPECIFIC OUTCOME 2

Describe the effect of wood growth properties on these quality requirements.

SPECIFIC OUTCOME 3

Describe the effect of machined wood properties on these quality requirements.

SPECIFIC OUTCOME 4

Describe the effect of the drying out process of wood on these quality requirements.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

109

Demonstrate knowledge and understanding of the structure of wood and how this relates to its appearance, strength, and water retention in a wood products environment

SAQA US ID	UNIT STANDARD TITLE		
117233	Demonstrate knowledge and understanding of the structure of wood and how this relates to its appearance, strength, and water retention in a wood products environment		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 4	15

Specific Outcomes:**SPECIFIC OUTCOME 1**

Describe the fine (microscopic) structure of wood, i.e. the "units".

SPECIFIC OUTCOME 2

Describe how this relates to the weight (density) and strength of wood.

SPECIFIC OUTCOME 3

Explain the influence these units have on the appearance of wood.

SPECIFIC OUTCOME 4

Explain how wood holds water.

SPECIFIC OUTCOME 5

Explain why and how wood shrinks and swells ("moves").



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

110

Fire kilns and chimneys

SAQA US ID	UNIT STANDARD TITLE		
117196	Fire kilns and chimneys		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Forestry		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 4	30

Specific Outcomes:

SPECIFIC OUTCOME 1

Prepare kiln and chimney.

SPECIFIC OUTCOME 2

Control fire in kiln.

SPECIFIC OUTCOME 3

Monitor sealing of kiln.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

111

Inspect and quality assure timber roof truss products and documentation

SAQA US ID	UNIT STANDARD TITLE		
117270	Inspect and quality assure timber roof truss products and documentation		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 4	20

Specific Outcomes:**SPECIFIC OUTCOME 1**

Inspect timber selected for cutting.

SPECIFIC OUTCOME 2

Inspect the calibration and the set up of cutting equipment in compliance with angles determined on cutting bills.

SPECIFIC OUTCOME 3

Ensure that the jig selected to manufacture the trusses is set up according to the cutting bills, angles and dimensions and pressed trusses comply with cutting bills.

SPECIFIC OUTCOME 4

Inspect storage of manufactured timber trusses ready for delivery.

SPECIFIC OUTCOME 5

Inspect loading of manufactured trusses and auxiliary material and hardware.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

112

Manage health and safety measures in relevant workplace in timber roof truss plant

SAQA US ID	UNIT STANDARD TITLE		
117266	Manage health and safety measures in relevant workplace in timber roof truss plant		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 4	15

Specific Outcomes:

SPECIFIC OUTCOME 1

Ensure that the Organisation's health and safety measures (incorporating the relevant OSH Act stipulations) are understood and adhered to by all the workers in the relevant work areas.

SPECIFIC OUTCOME 2

Ensure that the relevant work area is safe for all workers and that the health risk factors are eliminated/controlled.

SPECIFIC OUTCOME 3

Train all workers in the relevant work area in emergency drills and where applicable practical first aid application.

SPECIFIC OUTCOME 4

Record all first aid activities and emergency situations, with reasons, the remedial actions taken and outcomes of these actions.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

113

Manage production in relevant workplace in the Veneer/ Plywood and Block Board industry

SAQA US ID	UNIT STANDARD TITLE		
117304	Manage production in revelent workplace in the Veneer/ Plywood and Block Board industry		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Forestry		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 4	15

Specific Outcomes:**SPECIFIC OUTCOME 1**

Initiate production runs.

SPECIFIC OUTCOME 2

Monitor and record the progress of production and quality of output.

SPECIFIC OUTCOME 3

Analyse progress of production and compare with planned production schedule.

SPECIFIC OUTCOME 4

Adapt production process if relevant to achieve output targets.

SPECIFIC OUTCOME 5

Analyse data on completed production runs for future adaptation and possible improvement.



Established in terms of Act 58 of 1995

SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

114

Manage safety, health and environmental protection in relevant workplace in Veneer/ Plywood/ Block Board plant

SAQA US ID	UNIT STANDARD TITLE		
117308	Manage safety, health and environmental protection in relevant workplace in Veneer/ Plywood/ Block Board plant		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Forestry		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 4	15

Specific Outcomes:**SPECIFIC OUTCOME 1**

Ensure that the enterprise's health and safety measures (incorporating the relevant OSH Act stipulations) are understood and adhered to by all the workers in the relevant work areas.

SPECIFIC OUTCOME 2

Ensure that the relevant work area is safe for all workers and that the health risk factors are correctly eliminated/ controlled.

SPECIFIC OUTCOME 3

Train all workers in the relevant work area in emergency drills and practical first aid application.

SPECIFIC OUTCOME 4

Ensure the availability and visibility of first aid materials, equipment and tools for emerging contingencies.

SPECIFIC OUTCOME 5

Record all first aid activities and emergency situations, with reasons, the remedial actions taken and outcomes of these actions.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

115

Manage work force in relevant work areas in wood preservation plant

SAQA US ID	UNIT STANDARD TITLE		
117273	Manage work force in relevant work areas in wood preservation plant		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 4	15

Specific Outcomes:**SPECIFIC OUTCOME 1**

Guide, communicate with and motivate the work force in the relevant work areas.

SPECIFIC OUTCOME 2

Apply the enterprise's disciplinary and grievance procedures in the relevant work areas.

SPECIFIC OUTCOME 3

Keep employment records of workers in the relevant work areas.

SPECIFIC OUTCOME 4

Train the workers in the relevant work areas.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

116

Manage work force in relevant work areas in wood products environment

SAQA US ID		UNIT STANDARD TITLE	
117229		Manage work force in relevant work areas in wood products environment	
SGB NAME		ABET BAND	PROVIDER NAME
SGB Forestry		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 4	15

Specific Outcomes:

SPECIFIC OUTCOME 1

Guide, communicate with and motivate the work force in the relevant work areas.

SPECIFIC OUTCOME 2

Apply the Organisation's disciplinary and grievance procedures in the relevant work areas.

SPECIFIC OUTCOME 3

Keep employment records of workers in the relevant work areas.

SPECIFIC OUTCOME 4

Ensure all workers in the relevant work area are trained.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

117

Manage workforce in relevant workplace in Veneer/ Plywood/ Block Board plant

SAQA US ID	UNIT STANDARD TITLE		
117306	Manage workforce in relevant workplace in Veneer/ Plywood/ Block Board plant		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-0-SGB FOREST	Regular	Level 4	15

Specific Outcomes:**SPECIFIC OUTCOME 1**

Guide, communicate with and motivate the work force in the relevant work areas.

SPECIFIC OUTCOME 2

Apply the enterprise's disciplinary and grievance procedures in the relevant work areas.

SPECIFIC OUTCOME 3

Keep employment records of workers in the relevant work areas.

SPECIFIC OUTCOME 4

Train the workers in the relevant work areas.

Looking for out of print issues of Government and Provincial Gazettes

We can provide photocopies

Contact

The National Library of South Africa,
Pretoria Campus
PO Box 397
0001 PRETORIA

Physical address

C/o Andries and Vermeulen Streets
Entrance in Andries Street

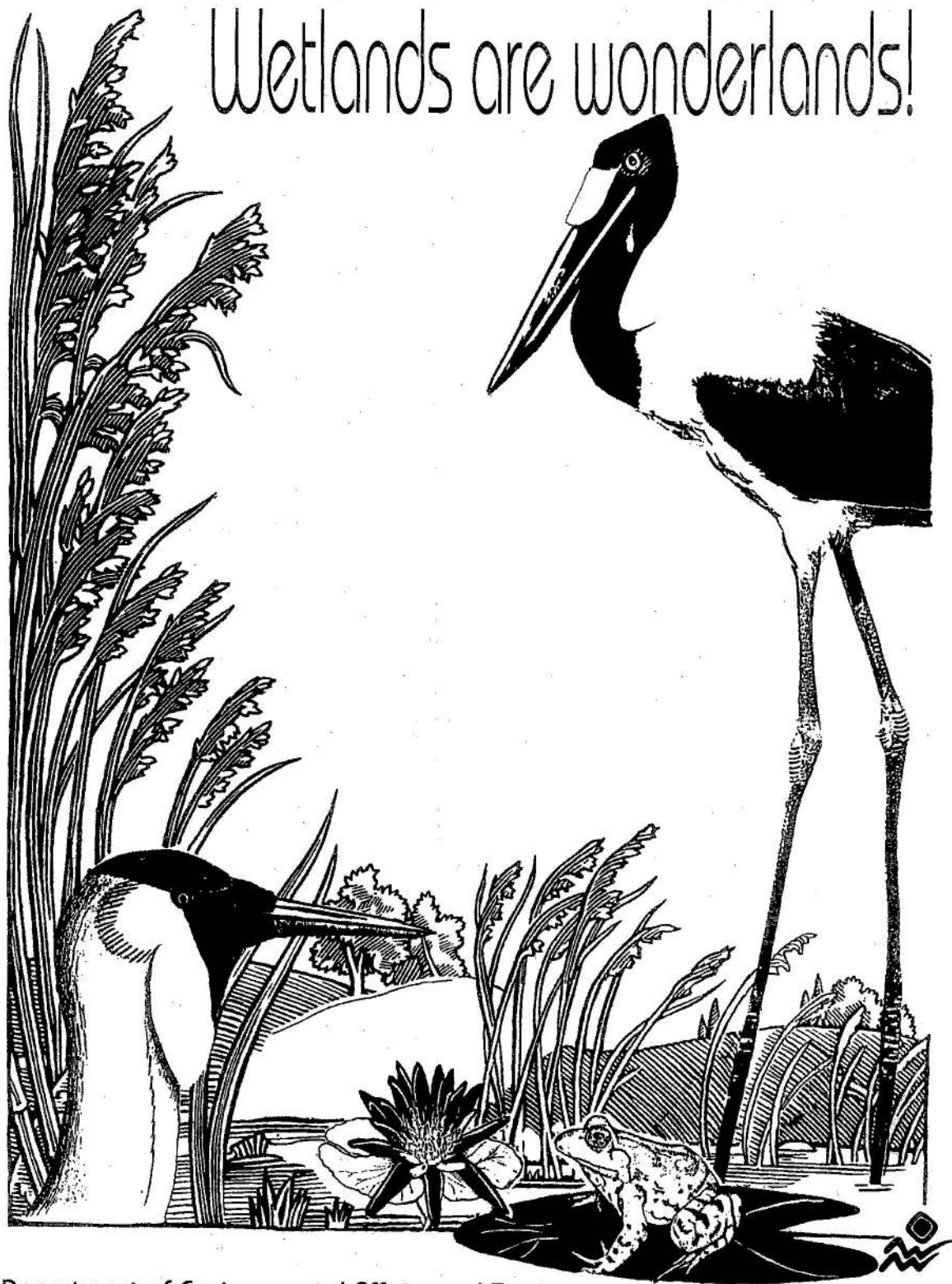
Contact details

Tel: (012) 321-8931

Fax: (012) 325-5984

E-mail: infodesk@nlsa.ac.za

Wetlands are wonderlands!



Department of Environmental Affairs and Tourism

Printed by and obtainable from the Government Printer, Bosman Street, Private Bag X85, Pretoria, 0001
Publications: Tel: (012) 334-4508, 334-4509, 334-4510
Advertisements: Tel: (012) 334-4673, 334-4674, 334-4504
Subscriptions: Tel: (012) 334-4735, 334-4736, 334-4737
Cape Town Branch: Tel: (021) 465-7531

Gedruk deur en verkrygbaar by die Staatsdrukker, Bosmanstraat, Privaatsak X85, Pretoria, 0001
Publikasies: Tel: (012) 334-4508, 334-4509, 334-4510
Advertensies: Tel: (012) 334-4673, 334-4674, 334-4504
Subskripsies: Tel: (012) 334-4735, 334-4736, 334-4737
Kaapstad-tak: Tel: (021) 465-7531