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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

#### 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, subfields, 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.saqa.org.za](http://www.saqa.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

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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	SUBFIELD	
AGR-3-National Certificate	National Certificate	Forestry and Wood T	
MINIMUM TS	NQF LEVEL	QUALIFICATION	
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 crosscutting/ 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 organisation's 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 higher 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 higher 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 higher 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 organisation's 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 Australian 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	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 infeed 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
		Level 3		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	117281 Demonstrate knowledge of the factors that affect the appearance, durability and water retention of poles and timber for wood preservation	Level 3	15	Draft - Prep for P Comment
Elective	117283 Manage the appearance of poles and timber for wood preservation	Level 3	5	Draft - Prep for P Comment
Elective	Control veneer / plywood / block board grading process in veneer / plywood / block board plant		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
	area of veneer / plywood / block board plant			Comment
Elective	117289 Setup 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

**Fireboard 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 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 higher 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 higher 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 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 program 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](http://www.Dfes.gov.uk)
- > [www.Nvq.org.uk](http://www.Nvq.org.uk)
- > [www.Qca.org.za](http://www.Qca.org.za)
- > [www.Anta.gov.au](http://www.Anta.gov.au)
- > [www.Ntis.gov.au](http://www.Ntis.gov.au)
- > [www.Nzqa.org.nz](http://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.)

	UNITSTANDAUD ID AND TITLE	LEVEL	CREDITS	STATUS
Cora	<b>13998</b> Demonstrate an understanding of the principles of supply and demand, and the concept: production	Level 1	2	Reregistered
Core	<b>14656</b> Demonstrate an understanding of sexuality and sexually transmitted infections including HIV/AIDS	Level 1	5	Registered
Core	<b>14664</b> Demonstrate knowledge of diversity within different relationships in the South African society	Level 1	3	Registered
Core	<b>14792</b> Maintain health, hygiene and safety in a chemical environment	Level 1	10	Registered
Core	<b>15092</b> Plan and manage personal finances	Level 1	5	Registered
Cora	<b>117222</b> Demonstrate understanding of basic production operations in a wood products environment	Level 1	10	Draft - Prep for P Comment
Core	<b>117226</b> Keep work area and equipment clean and safe in a wood products plant	Level 1	5	Draft - Prep for P Comment
Core	<b>117228</b> Perform manual handling in a wood products plant	Level 1	10	Draft - Prep for P Comment
Core	<b>8420</b> Operate in a team	Level 2	4	Registered
Core	<b>117231</b> Demonstrate understanding of details of equipment, processes and procedures in a wood products plant	Level 2	15	Draft - Prep for P Comment
Elective	<b>12209</b> Select and use basic hand tools and materials	Level 1	4	Registered
Elective	<b>117192</b> Spray and/or label bulk bins, boxes and/or pallets	Level 1	5	Draft - Prep for P Comment
Elective	<b>117193</b> Manufacture bulk bins, boxes and/or pallets	Level 1	10	Draft - Prep for P Comment
Elective	<b>117194</b> Inspect and repair bulk bins and/or pallets	Level 1	10	Draft - Prep for P Comment
Elective	<b>117198</b> Receive, open and decant polybags	Level 1	5	Draft - Prep for P Comment
Elective	<b>117203</b> Issue starch	Level 1	5	Draft - Prep for P Comment
Elective	<b>117206</b> Fold, cut and fill bags	Level 1	5	Draft - Prep for P Comment
Elective				Comment
Elective	<b>117239</b> Supply ignition paint and pack skillets	Level 1	3	Draft - Prep for P Comment
Elective	<b>117242</b> Lay-up and lace veneer	Level 1	4	Draft - Prep for P Comment
Elective	<b>117245</b> Apply ignition paint onto skillets	Level 1	4	Draft - Prep for P Comment
Elective	<b>117248</b> Operate peeling machine	Level 1	10	Draft - Prep for P Comment
Elective	<b>117249</b> 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	<b>117250</b> Ensure VPO box band cleats are full for production.	Level 1	4	Draft - Prep for P Comment
Elective	<b>117251</b> Ensure continuous supply of quality match boxes to wrapping process	Level 1	4	Draft - Prep for P Comment
Elective	<b>117252</b> Maintain supply line of matchboxes to vat machine	Level 1	4	Draft - Prep for P Comment
Elective				Comment
W e	<b>117255</b> Collect and prepare wattle bark and 'spents' for laboratory analysis	Level 1	12	Draft - Prep for P Comment
Elective	<b>117257</b> Supply wattle bark to the bark chopping machine	Level 1	12	Draft - Prep for P Comment
Elective	<b>117261</b> Demonstrate an understanding of timber roof truss manufacturing environment	Level 1	10	Draft - Prep for P Comment
Elective	<b>117262</b> Monitor drying and polishing process	Level 1	10	Draft - Prep for P Comment
Elective	<b>117265</b> Debark timber	Level 1	5	Draft - Prep for P Comment
Elective	<b>117268</b> 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				Comment
Elective	117207 Receive, offload, store and prepare for infeed 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
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 Size 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				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	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-O-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 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.



3

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-O-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:

Debark timber

4

<b>SAQA US ID</b>	<b>UNIT STANDARD TITLE</b>		
117265	Debark timber		
<b>SGB NAME</b>		<b>ABET BAND</b>	<b>PROVIDER NAME</b>
SGB Forestry		Undefined	
<b>FIELD DESCRIPTION</b>		<b>SUBFIELD DESCRIPTION</b>	
Agriculture and Nature Conservation		Forestry and Wood Technology	
<b>UNIT STANDARD CODE</b>	<b>UNIT STANDARD TYPE</b>	<b>NQF LEVEL</b>	<b>CREDITS</b>
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-WT-O-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-O-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

<b>SAQA US ID</b>	<b>UNIT STANDARD TITLE</b>		
117605	Demonstrate understanding of details of equipment, processes and procedures in saw doctor shop in lumber mill		
<b>ISGB NAME</b>	<b>ABET BAND</b>	<b>PROVIDER NAME</b>	
ISGB Forestry	Undefined		
<b>FIELD DESCRIPTION</b>	<b>SUB FIELD DESCRIPTION</b>		
Agriculture and Nature Conservation	Forestry and Wood Technology		
<b>UNIT STANDARD CODE</b>	<b>UNIT STANDARD TYPE</b>	<b>NQF LEVEL</b>	<b>CREDITS</b>
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**

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

### **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 N P F	NQF LEVEL	CREDITS
AGR-FWT-O-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

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-EWTO-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		
SCB 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
<del>AGR-FWT-0-SGB FOREST</del>	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 veneerplywoodblockboard plant

SAQA US ID	UNIT STANDARD TITLE		
117291	Keep work area clean in a veneerplywoodblock 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

SAOA 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 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

<b>SAQA US ID</b>	<b>UNIT STANDARD TITLE</b>		
117252	Maintain supply line of matchboxes to vat machine		
<b>SGB NAME</b>	<b>ABET BAND</b>	<b>PROVIDER NAME</b>	
SGB Forestry	Undefined		
<b>FIELD DESCRIPTION</b>	<b>SUBFIELD DESCRIPTION</b>		
Agriculture and Nature Conservation	Forestry and Wood Technology		
<b>UNIT STANDARD CODE</b>	<b>UNIT STANDARD TYPE</b>	<b>NQF LEVEL</b>	<b>CREDITS</b>

**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-O-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-O-SGB FOREST	Regular	(Level 1	10

**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**

<b>SAQA US ID</b>	<b>UNIT STANDARD TITLE</b>		
117248	Operate peeling machine		
<b>SGB NAME</b>	<b>ABET BAND</b>	<b>PROVIDER NAME</b>	
SGB Forestry	Undefined		
<b>FIELD DESCRIPTION</b>		<b>SUBFIELD DESCRIPTION</b>	
Agriculture and Nature Conservation		Forestry and Wood Technology	
<b>UNIT STANDARD CODE</b>	<b>UNIT STANDARD TYPE</b>	<b>NQF LEVEL</b>	<b>CREDITS</b>

**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**

<b>SAQA US ID</b>	<b>UNIT STANDARD TITLE</b>	
SCB Forestry	Undefined	

**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

<b>SAQA US ID</b>	<b>UNIT STANDARD TITLE</b>
117294	Perform manual handling in veneer/plywood/block board plant
<b>FIELD DESCRIPTION</b>	<b>SUBFIELD DESCRIPTION</b>
Agriculture and Nature Conservation	Forestry and Wood Technology

**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

<i>SAQA US ID (UNIT STANDARD TITLE)</i>		
117238	Prepare impregnation solution	
<i>SGB NAME</i>	<i>ABET BAND</i>	<i>PROVIDER NAME</i>
SGB Forestry	Undefined	
<i>FIELD DESCRIPTION</i>	<i>SUBFIELD DESCRIPTION</i>	
Agriculture and Nature Conservation	Forestry and Wood Technology	
<i>UNIT STANDARD CODE</i>	<i>UNIT STANDARD TYPE</i>	<i>NQF LEVEL</i>
		<i>CREDITS</i>

**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	PROVIDERNAME	
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-O-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:

2%

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-O-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-O-SGB FOREST	Regular	Level 1	112

**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*.



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

**SPECIFIC OUTCOME 2**

Control the quality of the compo.



## 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	PROVIDERNAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION	SUBFIELD DESCRIPTION		
Agriculture and Nature Conservation	Forestry and Wood Technology		
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQE 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

SQA US ID	UNIT STANDARD TITLE	ABET BAND	PROVIDER NAME
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	Undefined	Undefined
FIELD DESCRIPTION	SUBFIELD DESCRIPTION		
Agriculture and Nature Conservation	Forestry and Wood Technology		
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-RNT-O-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

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

**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

processing facilities within a wood products plant			
<b>FIELD DESCRIPTION</b>		<b>SUBFIELD DESCRIPTION</b>	
Agriculture and Nature Conservation		Forestry and Wood Technology	
<b>UNIT STANDARD CODE</b>	<b>UNIT STANDARD TYPE</b>	<b>NQF LEVEL</b>	<b>CREDITS</b>
AGR-FWT-O-SGB FOREST	Regular	Level 2	15

**SPECIFIC OUTCOME 2**

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

**SPECIFIC OUTCOME 3**

Explain the sequence of the production phases of 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.



## 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.



## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

## UNIT STANDARD:

37

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		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		(Forestry and Wood Technology)	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-O-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

SAQA US ID	UNIT STANDARD TITLE		
117297	Demonstrate understanding of details of equipment, processes and procedures in the wet		
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

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	

**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**

<b>SAQA US ID</b>	<b>UNIT STANDARD TITLE</b>		
117195	Fill charcoal and or briquette bag		
<b>SGB NAME</b>	<b>ABET BAND</b>	<b>PROVIDER NAME</b>	
SGB Forestry	Undefined		
<b>FIELD DESCRIPTION</b>	<b>SUBFIELD DESCRIPTION</b>		
Agriculture and Nature Conservation	Forestry and Wood Technology		
<b>UNIT STANDARD CODE</b>	<b>UNIT STANDARD TYPE</b>	<b>NQF LEVEL</b>	

**SPECIFIC OUTCOME 2**

Prepare charcoal/briquette bag to receive product.

**SPECIFIC OUTCOME 3**

Fill and forward bag.





## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

41

SAQA US ID	UNIT STANDARD TITLE
117288	Grade Veneer/ Plywood/ Block board in veneer/ Plywood/ Block board plant
FIELD DESCRIPTION	SUBFIELD DESCRIPTION
Agriculture and Nature Conservation	Forestry and Wood Technology

**Specific 1****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 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	PROVIDERNAME	
SGB Forestry	(Undefined)	1	
FIELD DESCRIPTION	SUBFIELD DESCRIPTION		
Agriculture and Nature Conservation	Forestry and Wood Technology		
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-O-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 USID (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-RNT-O-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

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		
	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-O-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**

**SPECIFIC OUTCOME 2**

Process the skillets into outer boxes.

**SPECIFIC OUTCOME 3**

Shut down the bar machine.



## S SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD

50

SAQA US ID	UNIT STANDARD TITLE		
117197	Operate boiler, dryer and mixer		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	1 Undefined		
FIELD DESCRIPTION	SUBFIELD DESCRIPTION		
Agriculture and Nature Conservation	Forestry and Wood Technology		
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	(CREDITS

**SPECIFIC OUTCOME 2**

Load boiler with coal.

**SPECIFIC OUTCOME 3**

Operate Mixer.



<b>SAQA US ID</b>	<b>UNIT STANDARD TITLE</b>		
I 17208	Operate flaker in the chipboard manufacturing process		
<b>SGB NAME</b>		<b>(ABETBAND)</b>	<b>PROVIDER NAME</b>
SGB Forestry		(Undefined)	
<b>FIELD DESCRIPTION</b>		<b>SUBFIELD DESCRIPTION</b>	
Agriculture and Nature Conservation		Forestry and Wood Technology	
<b>UNIT STANDARD CODE</b>	<b>UNIT STANDARD TYPE</b>	<b>NQF LEVEL</b>	<b>CREDITS</b>
AGR-FWT-0-SGB FOREST	Regular	Level 2	18

**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		
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	(Level2	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

<b>SAQA US ID</b>	<b>UNIT STANDARD TITLE</b>
117236	Operate match skillet printing machine
<b>FIELD DESCRIPTION</b>	<b>SUBFIELD DESCRIPTION</b>
Agriculture and Nature Conservation	Forestry and Wood Technology

**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-O-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 Forestw	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

117210 [Prepare dry flakes in the chipboard manufacturing process]			
<b>SGB NAME</b>		<b>ABET BAND</b>	<b>PROVIDER NAME</b>
SGB Forestry		Undefined	
<b>FIELD DESCRIPTION</b>		<b>SUBFIELD DESCRIPTION</b>	
Agriculture and Nature Conservation		Forestry and Wood Technology	
<b>UNIT STANDARD CODE</b>	<b>UNIT STANDARD TYPE</b>	<b>NQF LEVEL</b>	<b>CREDITS</b>
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**

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



## 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		
11726Z	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-RNT-O-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		
DESCRIPTIVE		A	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-O-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	NQE 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 Forestrv		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		)Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-RNT-O-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 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:

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		
SGBNAME	ABET BAND	PROVIDER NAME	
SGB Forestrv	Undefined		
FIELD DESCRIPTION	SUBFIELD DESCRIPTION		
Agriculture and Nature Conservation	(Forestry and Wood Technology)		
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS

**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.

I



## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

74

## 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	

**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		
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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	

**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 Forestrv	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-O-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

SAGA US ID	UNIT STANDARD	TITLE	
117285	Control receipt of incoming material (poles and/or sawn lumber) for wood preservation process		
SGB NAME	LABET 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**

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.



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.

QUALIFICATIONS

## 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	
1 21	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	

**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 Forestrv	Undefined	
FIELD DESCRIPTION	SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation	Forestry and Wood Technology	

**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)	(PROVIDERNAME)	
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 Forestw	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

SA QA US ID	UNIT STANDARD TITLE	
117218	Load press board in the melamine faced board manufacturing process	
SGB NAME	ABET BAND	PROVIDER NAME
FIELD DESCRIPTION	SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation	Forestry and Wood Technology	

**SPECIFIC OUTCOME 2**

Set up Press for Production.

**SPECIFIC OUTCOME 3**

Monitor Pressing Process.



Established in terms of Act 30 of 1995

## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

**UNIT STANDARD:**

03

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-O-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		
11,7214	Operate sanding process in the fibreboard and chipboard process		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-O-SGB FOREST	Regular	Level 3	12

**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-O-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

<b>SAQA US ID</b>	<b>UNIT STANDARD TITLE</b>		
117247	Prepare and mix match head composition		
<b>SGB NAME</b>	<b>ABET BAND</b>	<b>PROVIDER NAME</b>	
SGB Forestry	Undefined		
<b>FIELD DESCRIPTION</b>		<b>SUBFIELD DESCRIPTION</b>	
Agriculture and Nature Conservation		Forestry and Wood Technology	
<b>UNIT STANDARD CODE</b>	<b>UNIT STANDARD TYPE</b>	<b>NQF LEVEL</b>	<b>CREDITS</b>
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

90

### UNIT STANDARD:

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

<b>SAQA US ID</b>	<b>UNIT STANDARD TITLE</b>		
117263	Set jig, assemble, press, handle and store nail plated timber roof trusses		
<b>SGB NAME</b>		<b>ABET BAND</b>	<b>PROVIDER NAME</b>
SGB Forestry		Undefined	
<b>FIELD DESCRIPTION</b>		<b>SUBFIELD DESCRIPTION</b>	
Agriculture and Nature Conservation		Forestry and Wood Technology	
<b>UNIT STANDARD CODE</b>	<b>UNIT STANDARD TYPE</b>	<b>NQF LEVEL</b>	<b>CREDITS</b>
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 wetdry 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 wetdry hogging production facilities in wet/dry processing area of a veneer / plywood / block board plant		
SGB NAME			
SGR Forestry			
FIELD DESCRIPTION		St	DESC
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

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	

**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		
7295	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

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

**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		
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		

**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**

117311	Set veneer/plywood/bl		
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.



Established in terms of Act 98 of 1995

## 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

<b>SAQA US ID</b>	<b>UNIT STANDARD TITLE</b>		
117305	Set up and operate peeling/slicing facilities in wet processing area of veneer / plywood/ block board plant		
<b>SGB NAME</b>			
SGB Forestry			
<b>FIELD DESCRIPTION</b>		<b>SUBFIELD DESCRIPTION</b>	
Agriculture and Nature Conservation		Forestry and Wood Technoloav	
<b>UNIT STANDARD CODE</b>	<b>UNIT STANDARD TYPE</b>	<b>NQF LEVEL</b>	<b>(CREDITS</b>
AGR-FWT-O-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.



## 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-O-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



Established in terms of Act 58 of 1995

UNIT STANDARD:

100

<b>SAQA US ID</b>	<b>UNIT STANDARD TITLE</b>		
117290	Set up and operate sanding facilities in the dry processing area of veneer / plywood / block board plant		
<b>SGB NAME</b>			
SGB Forestry			
<b>FIELD DESCRIPTION</b>		<b>SUBFIELD DESCRIPTION</b>	
Agriculture and Nature Conservation		Forestry and Wood Technology	
<b>UNIT STANDARD CODE</b>	<b>UNIT STANDARD TYPE</b>	<b>NQF LEVEL</b>	<b>CREDITS</b>
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.



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
FIELD DESCRIPTION	SUBFIELD DESCRIPTION
Agriculture and Nature Conservation	Forestry and Wood Technology

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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.



103

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

**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 USID	UNIT STANDARD TITLE		
117256	Supervise the wattle bark chopping operation		
SGB NAME	ABETBAND	PROVIDERNAME	
SGB Forestw	Undefined		
FIEL	DESCRIPTION	SUBFIELD	DESCRIPTION
	Agriculture and Nature Conservation		Forestry and Wood Technology
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
AGR-FWT-O-SGB FOREST	Regular	Level3	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	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION
Agriculture and Nature Conservation		Forestry and Wood Technology
		<b>CREDITS</b>
		20

**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	ELD 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 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	

**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 Forestrv	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**

<b>SAQA US ID</b>	<b>UNIT STANDARD TITLE</b>		
11 7233	Demonstrate knowledge and understanding of the structure of wood and how this relates to its		
<b>SGB NAME</b>	<b>ABET BAND</b>	<b>PROVIDER NAME</b>	
SGB Forestry	Undefined		
<b>FIELD DESCRIPTION</b>		<b>SUBFIELD DESCRIPTION</b>	
Agriculture and Nature Conservation		Forestry and Wood Technology	
<b>UNIT STANDARD CODE</b>	<b>UNIT STANDARD TYPE</b>	<b>NQF LEVEL</b>	<b>CREDITS</b>

**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").



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

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:

113

SAQA US ID	UNIT STANDARD TITLE		
117304	Manage production in relevant 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

**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.



## 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 NAUE	
SGB Forestry	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Agriculture and Nature Conservation		Forestry and Wood Technology	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQE 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	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
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.