

QUALIFICATION SPECIFICATION										SECTION A		
QUALIFICATION DEVELOPER		Construction Industry Trust Fund										
TITLE		Certificate IV in Finishing Carpentry						NCQF LEVEL		4		
FIELD	Physical Planning and Construction					SUB-FIELD		Construction				
New qualification						Review of existing qualification				✓		
SUB-FRAMEWORK			General Education				TVET		✓		Higher Education	
QUALIFICATION TYPE			Certificate		✓		Diploma				Bachelor	
			Bachelor Honours				Master				Doctorate/ PhD	
								CREDIT VALUE:		60		
RATIONALE AND PURPOSE OF THE QUALIFICATION												
<p>RATIONALE</p> <p>Government has identified high unemployment and poverty amongst youth as a national security risk, hence the need to train this section of the population in productive and income generating skills.</p> <p>Despite the country continuing to receive investments, these investments are biased towards capital intensive ventures. This situation has the inherent risk of unemployment continuing to surge, and the government, through its vital development policy paper, National Development Plan 11 (NDP 11), has identified areas of potential high employment uptake such as services, and manufacturing and has made a commitment to give these sectors extensive support with a view of making a meaningful contribution to the growth of the economy.</p> <p>Another policy document that makes mention of skills development as a vehicle towards inclusivity and provision of opportunities for all, is the Vision 2036 document under the Human and Social Development (Pillar 2) which states that “Botswana society will be knowledgeable with relevant quality education that is outcome based, with emphasis on technical and vocational skills as well as academic competencies.”</p> <p>Finishing Carpentry is a sector that in any society appeals to all age brackets, including the youth. The sector provides opportunities to gain the requisite skills necessary to combine their cognitive skills with their psychomotor skills and put them to good use. There are a lot of career opportunities in this sector, and it is an</p>												

area where education and brevity combine to bring out a well-rounded individual capable of actively participating in the mainstream economy of the country.

Carpenters has also been forecasted as one of the top occupations in demand for the future (HRDC, 2019) This qualification provides qualifying learners with the underlying Carpentry knowledge, skills and values in order to become competent practitioners of the Construction Industry; be employed or self-employed within the industry and pursue further learning in specific areas of Finishing Carpentry.

Purpose

The purpose of this qualification is to equip learners with knowledge, skills and competencies to:

- Read and interpret Carpentry drawings.
- Set out and prepare carpentry work areas.
- Construct, erect and clad roof structures.
- Install and erect different types of ceilings
- Erect timber frame partitions.
- Hang different types of doors

ENTRY REQUIREMENTS (including access and inclusion)

Entry Requirements:

- Certificate III in Finishing Carpentry (NCQF Level 3) or equivalent.
- There shall be access through RPL and CAT in line with the National RPL and CAT Policies.

QUALIFICATION SPECIFICATION		SECTION B
GRADUATE PROFILE (LEARNING OUTCOMES)	ASSESSMENT CRITERIA	
1. Erect roof trusses on the wall.	1.1 Carry out roof geometry calculations for roof trusses 1.2 Setting out a roof truss as per specification. 1.3 Construct roof truss as per specifications. 1.4 Lift and hand roof trusses as per standard procedure. 1.5 Erect roof trusses on the wall to specifications. 1.6 Secure roof trusses on the wall with hoop iron.	
2. Assemble different types of roof structures.	2.1 Set out for roof truss positions as per the drawing. 2.2 Erect roof structure by correctly positioning trusses. 2.3 Align and level roof trusses 2.4 Brace the roof structure as per industry standards.	
3. Clad different types of roof structures with different material.	3.1 Select required material for cladding as per the drawing. 3.2 Fit timber frame work for the required cladding material. 3.3 Lay cladding material on the roof structure as per specification.	
4. Install and erect different types of ceilings	4.1 Set out the ceiling area as per the working drawing. 4.2 Erect timber frame work for required ceiling material. 4.3 Install boarding and finishing components for ceiling. 4.4 Cut roof entry opening on the ceiling as per industry specifications.	

BQA NCQF Qualification Template

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Issue No.: 01

	4.5 Install insulation in the ceiling area.
5 Erect timber and steel frame wall partitions.	<p>5.1 Set out the partition area as per the working drawing.</p> <p>5.2 Erect partition framework by securing it on the existing structure.</p> <p>5.3 Fit the boarding on the partition framework.</p>
6 Hang different types of doors	<p>6.1 Select the type of door to be hang.</p> <p>6.2 Take frame measurements to determine how much to take off from the door.</p> <p>6.3 Cut the door to fit on the frame.</p> <p>6.4 Secure the door on the frame with screws.</p> <p>6.5 Install the locks on the door.</p>
7.0 Apply the principles of Occupational Health and Safety in the Work Environment	<p>7.1 Identify hazards in the Workplace.</p> <p>7.2 Asses possible risks in the workplace.</p> <p>7.3 Practice Good Housekeeping.</p> <p>7.4 Wear Appropriate Personal Protective Equipment.</p>
8.0 Demonstrate knowledge of Entrepreneurial principles in the workplace	<p>8.1 Plan for given work assignments.</p> <p>8.2 Solve problems creatively in the workplace.</p> <p>8.3 Mobilise people and resources to execute tasks.</p> <p>8.4 Create value through innovative ideas.</p>

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QUALIFICATION STRUCTURE			
		SECTION C	
FUNDAMENTAL COMPONENT Subjects / Units / Modules /Courses	Title	Level	Credits
	Health and safety procedures for building Construction	3	2
	Interpret basic building drawings	4	2
	Working at heights	3	2
	Total		6
CORE COMPONENT Subjects / Units / Modules /Courses	Introduction to Building Construction	3	2
	Introduction to Levelling	3	2
	Set Out Building	3	2
	Manufacture Roof Trusses	4	5
	Construct Roof Structures	4	5
	Clad Roof Structures	4	5
	Erect Rhino Board Ceilings	4	5
	Install Suspended Ceiling	4	3
	Erect Timber Ceiling.	4	5
	Erect Timber Framed Partitions.	4	3
	Install Carpentry Finishing Components	3	5
	Use Maintain Store Carpentry Tools and Equipment	3	2
	Total		44
ELECTIVE COMPONENT Subjects / Units / Modules /Courses	Construct timber stairs and ramps	4	5
	Prepare a business plan	4	5
	Quantify timber manufacturing materials	4	5
	Construct a nail plate roof truss.	4	5
	Erect gable roof trusses.	4	5
	Total		10
	Grand Total		60

Rules of combinations, Credit distribution(where applicable):

The qualification consists of Generic, Core, and Elective components. To be awarded the Qualification, learners are required to obtain a minimum of **60** credits as detailed below:

Fundamental Components

The Fundamental components consist of modules in communication, occupational safety and environment, business and entrepreneurship, and financial literacy to the value of **6** credits all of which are compulsory.

Core Components

The core components consist of modules containing applied knowledge and practical skills to the value of **44** credits which are compulsory.

Electives Components

Learners are to choose elective modules to the value of at least **10** credits so as to attain a minimum of **60** credits for the qualification.

Unit standards	Fundamental	Core	Elective
Level 3	4	13	10
Level 4	2	31	10
Total Credit	6	44	10
Total Credit Value			60

ASSESSMENT AND MODERATION ARRANGEMENTS

Assessment Arrangements

All assessments leading/contributing to the award of credits, or a qualification shall be based on learning outcomes and/or sub-outcomes.

1. Formative assessment:

Formative or continuous assessment would be conducted to inform teaching and learning and establish the learner's level of readiness for progression to the next learning unit or module.

Formative assessment shall constitute 60% of the Final Mark

2. Summative assessment:

Internal summative assessments shall be carried out in accordance all applicable examination rules, and the weighting of the assessment shall constitute 40% of the Final Mark

All assessment shall be carried out by BQA registered and accredited Assessors.

Moderation Arrangements

There shall be internal and external moderation carried out by BQA registered and accredited Moderators.

RECOGNITION OF PRIOR LEARNING (if applicable)

Candidates may submit evidence of prior learning and current competence and/or undergo appropriate forms of RPL assessment for the award of credits towards the qualification in accordance with applicable RPL policies and relevant national-level policy and legislative framework.

PROGRESSION PATHWAYS (LEARNING AND EMPLOYMENT)

1. Horizontal Articulation:

Graduates of this qualification may consider pursuing to other qualifications of the same levels in the same line of Carpentry and Joinery or Finishing carpentry such as

- Certificate IV in Cabinet making,
- Certificate IV in Construction carpentry
- Certificate IV in Shuttering.

2. Vertical Articulation:

Learners may progress to higher level of the same Qualification such as

- Certificate V in Finishing Carpentry

Employment Pathway

Learners who achieve the units in this qualification will have competencies and attributes to work as

- Construction carpenter
- Finishing Carpenter,
- Ceiling and Partitioning Erector and
- Roofer

QUALIFICATION AWARD AND CERTIFICATION

To be awarded the qualification the candidate must have met the following requirements:

- All exit level outcomes
- Minimum **60** credit requirements

Certification:

Upon completion of the qualification the candidate will be awarded a **CERTIFICATE IV FINISHING CARPENTRY**.

REGIONAL AND INTERNATIONAL COMPARABILITY

The proposed Qualification was compared with following.

1. College of Cape town -City Campus (NQF level 3); Construction Carpentry: 177 Credits. South Africa
2. Tjeka Training Centre (NQF level 3); Building and Construction: 140 credits South Africa
3. Otago Polytechnic (Level 3); Certificate Carpentry: 120 Credits New Zealand

This qualification was compared with similar qualification in Africa and Beyond and below is the analysis of the comparison:

1. The qualification is comparable to SAQA (South Africa) qualification offered by Northlink College, and the following differences were noted:
 - This qualification in Construction Carpentry at Level 3 has total credits of 177.
 - A total of 10 credits from elective modules are compulsory to get full Certificate.
 - There are more fundamental modules which takes lot of time dealing with theory.
 - Most of the modules in this qualification are more biased to construction than Finishing Carpentry which allow for mobility across similar trades within the construction industry.
 - The qualification has been designed and structured such that qualifying learners can move from one context to another.
 - The qualification may be obtained through the process of recognition of prior learning.
2. The following similarities were noted, especially with regards the Norhlink and Tjeka Training:
 - Both institutes offers the qualification in Competency Based Modular system (CBMT).
 - The qualification is modular based not unit standards and practically oriented.
3. The qualification compares well with the one offered at New Zealand, Otago Polytechnic and the following similarities and differences are noted:
 - The qualification has total credits of 120.
 - It has the same Exit level outcomes with similar scope.
 - The duration of the qualification goes up to one year.
 - RPL is not recognized as a means of obtaining entry to this qualification.

Comparability and Articulation of the Proposed Qualification with the ones examined

The proposed qualification generally compares well with the qualification studied since the exit outcomes cover similar scope and depth and are aligned to exit-level descriptors typical of this level and as done within the region and beyond as well as competencies required for registration and accreditation with regulatory bodies such as BQA. However, what sets it apart from the qualifications examined is that there is an addition of development of attributes such as effective communication and mathematical literacy, which is critical for basic entrepreneurship and it anchors on Competency Based Training System with lot of practical than theory. Other findings are as follow:

- In terms of job opportunity, all qualifications produce a level 3 Carpenter.
- The Exit Level Out comes has the similar scope as the qualifications compared with.
- The proposed qualification has 60 credits minimum which make it a short term course.
- This proposed qualification also use a CBMT system like the two South African Colleges mentioned above and they are both practically orientated.

REVIEW PERIOD

The qualifications shall be reviewed after 5 years or when the need arise.