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SECTION A: QUALIFICATION DETAILS												
QUALIFICATION DEVELOPER (S)				Botswana Police College								
TITLE		Certificate IV in Defensive Driving							NCQF LEVEL		4	
FIELD		Law and Security		SUB-FIELD		Defensive Driving			CREDIT VALUE		60	
New Qualification				✓		Review of Existing Qualification						
SUB-FRAMEWORK			General Education				TVET		✓		Higher Education	
QUALIFICATION TYPE		Certificate	I	II	III	IV	✓	V	Diploma	Bachelor		
		Bachelor Honours				Post Graduate Certificate					Post Graduate Diploma	
		Masters						Doctorate/ PhD				

RATIONALE AND PURPOSE OF THE QUALIFICATION

RATIONALE:

This Qualification adheres to the National Road Safety Management Framework and Botswana Police Service Corporate Development Strategy 2017-2023 for creating a national road traffic environment that is safe for all users. In 2010, the United Nations General Assembly released a Decade of Action Declaration for Road Safety (2011-2020) to address the high rate of road accidents which are recorded annually. It is estimated that 1.3 million people die every year and up to 50 million are injured on the world's roads (UN Report, 2010), and it is believed that these accidents can be prevented if collective road safety measures are implemented. The qualification is also aligned to Vision 2036 Pillar No. 4, Road Safety, the safety of people, property and other resources will be guaranteed.

In compliance with the above, the Botswana National Road Safety Strategy was developed to address road traffic accidents which continue to be on the rise despite all previous efforts to counter the problem. In 2018, a total of 17,786 road traffic accidents were recorded, which is an increase of 132 compared to 2017 where 17,654

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accidents were recorded (Botswana Police Traffic Accident Report, 2018). This can be achieved through adherence to a variety of general guidelines such as following the assured clear distance ahead and two seconds rule, as well as the practice of special driving techniques. Several key areas were identified as a priority in mitigating the problem these include occupational Health and Safety, Vehicle Dynamics, Defensive Driving and Systems of Driving Principles, Accident-Avoidance Techniques, driving to Maintain Safety, advanced Turning Techniques.

PURPOSE:

The purpose of this qualification is to produce graduates who have broad knowledge, skills, and competence to:


- Apply knowledge related to vehicle dynamics to reduce driving risk.
- Demonstrate techniques used to avoid accidents and maintain control.
- Apply techniques to improve driving skills and always maintain safety.

ENTRY REQUIREMENTS (including access and inclusion)


Minimum Entry Requirements

- Certificate III (NCQF Level 3) or equivalent.
- Access through Recognition of Prior Learning (RPL) and Credit Accumulation and Transfer CAT will be in line with national RPL and CAT Policies.

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SECTION B QUALIFICATION SPECIFICATION	
GRADUATE PROFILE (LEARNING OUTCOMES)	ASSESSMENT CRITERIA
LO 1. Implement organisational Occupational Health and Safety (OHS) procedures.	1.1 Device various legislation, instructions and/or agreements in OHS. 1.2 Effect Risk Assessment processes and Risk Management principles
LO 2. Utilize a range of basic practical skills for vehicle dynamics to reduce driving risks.	2.1. Implement various pivots according to the law of gravity. 2.2. Calculate Kinetic energy of the vehicle. 2.3. Determine the effects of Centrifugal force on a vehicle negotiating a curve. 2.4. Demonstrate the effects of force of Inertia on a vehicle. 2.5. Determine the vehicle Centre of gravity. 2.6. Use mechanical systems that influence vehicle driving. 2.7. Use vehicle safety systems.
LO 3. Apply basic defensive driving and system driving principles when driving a vehicle.	2.8. Perform Search Identify Predict Defied Execute principles. 2.9. Utilize the Attitude, Back-off and Clear space (ABC) system of vehicle control. 2.10. Practice the system of driving principles. 2.11. Conduct the Pre-Trip Inspection points in accordance with K53 system.
LO 4. Employ basic techniques used to avoid accidents and maintain control when driving a vehicle.	4.1. Use front and rear run flats when driving a vehicle to avoid accidents. 4.2. Display pavement climbing skills. 4.3. Perform lane change to avoid an object/accident. 4.4. Carry Out braking techniques to bring a vehicle to a standstill under various conditions. 4.5. Steer and brake the vehicle during conditions of reduced visibility. 4.6. Use skid control to regain control on different road surfaces. 4.7. Execute the reverse 180 turn.

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	Operate within a safe time limit the 90 handbrakes turn when driving a vehicle.
LO 5. Apply basic techniques for operating four-wheel drive (4WD) vehicle in on-road and off-road conditions.	5.1. Stall start in various obstacles and off-road terrain. 5.2. Engage axle diff- locks in various operating conditions when driving a 4WD. 5.3. Use a range of features, vehicle options and capabilities of a four-wheel drive (4WD) vehicle. 5.4. Prepare a vehicle for off-road conditions. 5.5. Perform chassis and suspension configurations on a 4WD vehicle. 5.6. Demonstrate basic understanding of a vehicle terrain. 5.7. Operate a 4WD vehicle in off-road conditions.

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SECTION C	QUALIFICATION STRUCTURE				
COMPONENT	TITLE	Credits Per Relevant NCQF Level			Total (Per Subject/ Course/ Module/ Units)
		Level [4]	Level [5]	Level [6]	
FUNDAMENTAL COMPONENT <i>Subjects/ Courses/ Modules/Units</i>	Occupational Health and Safety		6		6
CORE COMPONENT <i>Subjects/Courses/ Modules/Units</i>	Vehicle Dynamics	8			8
	Defensive Driving and Systems of Driving Principles		9		9
	Accident Avoidance Techniques		9		9
	Driving to Maintain Safety			10	10
	Advanced Turning Techniques		9		9
	Advanced Four Wheel Drive(4WD) skills		9		9

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ELECTIVE/ OPTIONAL COMPONENT <i>Subjects/Courses/ Modules/Units</i>					


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SUMMARY OF CREDIT DISTRIBUTION FOR EACH COMPONENT PER NCQF LEVEL	
TOTAL CREDITS PER NCQF LEVEL	
NCQF Level	Credit Value
Level 4	8
Level 5	42
Level 6	10
TOTAL CREDITS	60
Rules of Combination: (Please Indicate combinations for the different constituent components of the qualification)	
<p>This qualification is composed of seven (7) modules, thus One (1) fundamental, six (6) core modules and no electives. All modules are compulsory.</p> <p>The qualification has a total of 60 credits:</p> <ul style="list-style-type: none"> Fundamentals = 6 Credits Core subjects = 54 Credits 	

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ASSESSMENT ARRANGEMENTS

All assessments leading to the awarding of this qualification will be based on learning outcomes associated with the following assessment criteria:

1. Formative assessment

The weighting of formative assessment is 60% of the final assessment mark.

2. Summative Assessment

The weighting of summative assessment is 40% of the final mark.

Assessment arrangements will be done by BQA registered and accredited assessors.

MODERATION ARRANGEMENTS

There shall be provision for internal and external moderation done by BQA registered and accredited Moderators.

RECOGNITION OF PRIOR LEARNING

There will be provision Recognition of Prior Learning (RPL) for award of the qualification through the use of ETP RPL Policy in line with the National RPL Policy.

CREDIT ACCUMULATION AND TRANSFER

There shall be access and award of credits of the qualification using Institutional Credit Accumulation and Transfer (CAT) Policy in line with the National CAT Policy.

PROGRESSION PATHWAYS (LEARNING AND EMPLOYMENT)

Horizontal Articulation


- Certificate in Driver Safety Course

Vertical Articulation

- Certificate V in Defensive Driving.

EMPLOYMENT

- Driver Instructor
- VIP driver

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QUALIFICATION AWARD AND CERTIFICATION

Qualification award:

Minimum standards of achievement for the award of the qualification

The learner must have met the following requirements:

- Met all learning outcomes
- Total 60 credits

Certification:

Upon completion of the qualification candidate will be awarded a **Certificate IV of Defensive Driving**.

REGIONAL AND INTERNATIONAL COMPARABILITY

SUMMARY OF BENCHMARKING

REGIONAL COMPARABILITY

South Africa:


Gerotek

Gerotek in South Africa offers Defensive and Advanced driving skills, which runs for six weeks and has eighteen credits which is equivalent to our certificate in defensive driving. The programme covers Vehicle dynamic ddefensive driving and systems of driving principle, techniques used to avoid accident and maintain control, techniques to improve driving skills and maintain safety at all times, advanced turning techniques and advanced Four Wheel Drive (4WD) skills, which is similar to what we offer.

South Africa- SSS Advanced Driving and Training

SSS Advanced Driving and Training in Port Elizabeth, South Africa, which offers Offensive Driving though the credits and duration, were not stated. The programme covers; offensive driving skills in dynamic situation, offensive driving skills when negotiating static hazards/dealing with vehicle damage and high-speed turning skills and again they are similar to the modules we provide.

The International comparison focused on the specific needs of current policing environment.

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International comparison was conducted by means of desktop benchmarking based on the Exit Level Outcomes and Associated Assessment Criteria and Research on the Internet.

The following countries were chosen for the international comparison.

INTERNATIONAL COMPARABILITY

New Zealand- Driver Safety

Driver Safety, in New Zealand offers defensive driving, though the credits and duration were not stated. The programme covers Driver Smoothness, Cornering, Emergency Braking (ABS), Skid Control and Hazard/Head-On Avoidance.

United States of America- Thinking Driver

Thinking Driver in United States of America offers certificate in Advanced Defensive driving and credits and level not stated. The programme covers, Hazards avoidance training, four-wheel drive and all-wheel drive operation, In-Vehicle Driver evaluation and Vehicle mounted winch Safe Operation.

We observed differences in credits as we offer 60 credits whilst Gerotek offers 18 credits and the rest did not state their credits value. Driver safety in New Zealand offers driving on ice terrains whereas we offer off-road driving.

Conclusion

The proposed Certificate in defensive driving is at par with, Gerotek in South Africa and SSS Advanced Driving Regionally as well as with Driver Safety, in New Zealand and Thinking Driver in United States of America Internationally.

REVIEW PERIOD

Every five (5) years.

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