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		Issue No.	01
		Effective Date	01.08.2022

## SECTION A: QUALIFICATION DETAILS

<b>QUALIFICATION DEVELOPER (S)</b>	Botswana Wildlife Training Institute
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<b>TITLE</b>	Certificate IV in Wildlife in Management and Conservation	<b>NCQF LEVEL</b>	IV
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<b>STRANDS (where applicable)</b>	1. 2. 3. 4.
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<b>FIELD</b>	Natural, Mathematical and Life Sciences	<b>SUB-FIELD</b>	Social Sciences/Environment Management Sciences	<b>CREDIT VALUE</b>	63
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New Qualification	<input checked="" type="checkbox"/>	Legacy Qualification	<input type="checkbox"/>
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<b>SUB-FRAMEWORK</b>	General Education	<input type="checkbox"/>	TVET	<input checked="" type="checkbox"/>	Higher Education	<input type="checkbox"/>
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<b>QUALIFICATION TYPE</b>	Certificate	I	II	III	IV	<input checked="" type="checkbox"/>	V	Diploma	Bachelor
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	Bachelor Honours		Post Graduate Certificate		Post Graduate Diploma	
	Masters		Doctorate/ PhD			

## RATIONALE AND PURPOSE OF THE QUALIFICATION

**RATIONALE:**

This BNCQF Certificate IV in Wildlife in Management and Conservation is packaged to provide basic operational competences to perform a range of field tasks and processes in wildlife and natural resources management using relevant procedures and techniques taking some responsibility for completion of own and/or group work.

This qualification is in response to the need to impart field skills to newly recruited wildlife rangers and long

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serving officers who need to close skills gaps in their field competence within The Department of Wildlife and National Parks (DWNP). The qualification strives to produce professional, responsible, disciplined and efficient Wildlife Officers who are very skilled in their field. For example, the SONA 2020 states the need for wildlife cadre which will be able to address human wildlife conflict, and community based tourism enterprises. The graduates of this course are therefore, technicians who are responsible to address such issues in the communities.

On attainment of this qualification the candidate will be awarded the BNCQF Certificate IV in Wildlife in Management and Conservation. Candidates will be able to perform independently a significant range of field operations and low level managerial functions in wildlife and natural resources management taking responsibility for completion of own or team work and learning, and demonstrate potential for supervisory functions and further learning. This will also help address 2036 vision aspirations of having skilled and competitive work force that is relevant.

#### **PURPOSE:**


The purpose of the qualification is to equip graduates with broad knowledge, skills and competences to:

- Perform routine tasks in line with organization requirements.
- Apply broad range of technical skills and competences to manage wildlife resources.
- Apply survival skills in the wilderness.

#### **MINIMUM ENTRY REQUIREMENTS (including access and inclusion)**


- Minimum of NCQF Level 4 (BGCSE) or equivalent qualification from a recognized education and training provider (ETP).
- Admission may also be granted through Recognition of Prior Learning (RPL) according to the institution's RPL policies aligned to BQA RPL policies.
- Admission may also be granted through Credit Accumulation Transfer (CAT) according to the institution's CAT policies aligned to BQA CAT policies.

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<b>SECTION B QUALIFICATION SPECIFICATION</b>	
<b>GRADUATE PROFILE (LEARNING OUTCOMES)</b>	<b>ASSESSMENT CRITERIA</b>
1.0 Apply survival skills in the wilderness.	1.1 Interpret the behaviour of potentially dangerous animal species. 1.2 Use technological devices and natural features to navigate in the wilderness. 1.3 Use a rifle for survival in the wilderness. 1.4 Perform basic first aid in the wilderness.
2.0 Apply broad technical field skills and knowledge to manage natural resources.	2.1 Collect data for monitoring natural resources populations. 2.2 Capture wildlife using different methods. 2.3 Carry out patrols for natural resources management. 2.4 Use a rifle for natural resources management purposes.
3.0 Use a range of contemporary broad technical methods to manage wildlife habitats.	3.1 Identify plants for habitat management purposes. 3.2 Determine different types of vegetation as wildlife habitats. 3.3 Control fire for habitat management.

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<b>SECTION C</b>	<b>QUALIFICATION STRUCTURE</b>				
<b>COMPONENT</b>	<b>TITLE</b>	<b>Credits Per Relevant NCQF Level</b>			<b>Total Credits</b>
		<b>Level [ 3 ]</b>	<b>Level [ 4 ]</b>	<b>Level [ 5 ]</b>	
<b>FUNDAMENTAL COMPONENT</b> <i>Subjects/ Courses/ Modules/Units</i>	Weapon Handling		8		8
	Wilderness survival skills			15	15
	Snake Handling		5		5
<b>CORE COMPONENT</b> <i>Subjects/Courses/ Modules/Units</i>	Patrol and navigation for Wildlife Management		10		10
	Wildlife management and Utilization Techniques		8		8
	Management Oriented Monitoring Systems (MOMS)		10		10
	Fire Control and Prevention for Habitat Management	7			7
<b>STRANDS/ SPECIALIZATION</b>	<i>Subjects/ Courses/ Modules/Units</i>	<b>Credits Per Relevant NCQF Level</b>			<b>Total Credits</b>
		<b>Level [ ]</b>	<b>Level [ ]</b>	<b>Level [ ]</b>	
<b>1.</b>					

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<b>SUMMARY OF CREDIT DISTRIBUTION FOR EACH COMPONENT PER NCQF LEVEL</b>	
<b>TOTAL CREDITS PER NCQF LEVEL</b>	
<b>NCQF Level</b>	<b>Credit Value</b>
3	7
4	41
5	15
<b>TOTAL CREDITS</b>	<b>63</b>
<b>Rules of Combination:</b> <b>(Please Indicate combinations for the different constituent components of the qualification)</b>	
<p>This qualification consists of 7 credits at level 3, 41 credits at level 4 and 15 credits at level 5 making a total of 63 credits. Candidates are expected to take and pass all fundamentals at 28 credits, and core components at 35 credits. This qualification does not have any strands.</p>	

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### **ASSESSMENT ARRANGEMENTS**

The summative assessment will have theory and practical examination sessions at a ratio of 40% and 60% respectively. Formative assessment: 60%, Summative assessment: 40%.

### **MODERATION ARRANGEMENTS**

Both summative and formative assessment items shall be subjected to internal moderation processes for quality assurance by BQA registered Institute Moderators.

#### **External Moderation**

The summative assessment, comprising of final theory and practical examination items shall be subjected to external moderation by qualified and BQA registered Moderators for quality assurances.

#### **Criteria for selection of assessors and moderators**

BQA registered Assessors and Moderators with a minimum of diploma qualification in nature conservation related training and field experience will be engaged to facilitate both training, assessment and moderation requirements in this qualification. Moreover, where applicable assessors and moderators with indigenous knowledge and those who have relevant experience on practical subjects will be engaged.

### **RECOGNITION OF PRIOR LEARNING**

- There shall be provision for awarding the qualification through Recognition of prior learning (RPL) means in accordance with Institutional and BQA RPL policies.

### **CREDIT ACCUMULATION AND TRANSFER**


There shall be provision for awarding the qualification through Credit Accumulation and Transfer (CAT) means in accordance with Institutional and BQA RPL policies.

### **PROGRESSION PATHWAYS (LEARNING AND EMPLOYMENT)**

#### **• Employment Pathways**

Upon completion the candidate can seek employment at entry level in;

- Game Rangers
- Trackers

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- Conservation technicians.

#### **Horizontal Progression Pathways**

- Certificate IV in Wildlife Management and conservation
- Certificate IV in Tour Guide
- Certificate IV in Nature Conservation in Implementation and Leadership
- **Vertical Progression Pathways**
- Certificate V in Wildlife Management and Conservation

#### **QUALIFICATION AWARD AND CERTIFICATION**

Candidate will be awarded Certificate IV in Wildlife in Management and Conservation after completion of a minimum of 63 credits and issued with a certificate.

#### **SUMMARY OF REGIONAL AND INTERNATIONAL COMPARABILITY**

##### **Regional comparability**

Since this qualification seek to address basic national skills and competences gaps requirement of at entry level for the ranger cadre in wildlife and forest conservation agencies it compares favourably to other entry level qualifications for the ranger cadres offered in similar national institutions such as the National Foundation Certificate in Wildlife Management at Zimbabwe Institute of Wildlife Management.

<https://www.courseseye.com/course/7012/national-foundation-certificate-in-wildlife-management/zimbabwe>


<http://www.mushandikecollege.ac.zw/nfc.html> and Certificate in Natural Resource Guardianship Terrestrial of Southern African Wildlife College. <https://wildlifecollege.org.za/course/national-certificate-natural-resource-management-terrestrial/>

##### **International comparability**

This qualification compares with Certificate course in Wildlife Management offered for field technical cadre at Wildlife Institute of India (WII). (3 months) [https://wii.gov.in/certificate\\_course](https://wii.gov.in/certificate_course)

Although some differences between the qualifications exist in terms of credits and learning outcomes, this particular qualification has an advantage of offering some skills sets that are not offered by other qualifications. These include Weapon Handling, Wilderness Survival Skills and Management Oriented Monitoring Systems. These are crucial skills that anybody aspiring to operate in a Wildlife Management environment would require for effective delivery of field operations. All the qualifications accord candidates with similar opportunities for vertical and horizontal articulation.

Thus through this benchmarking the qualification composition compares well and meets the requirement for

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recognition by higher level providers locally and internationally.

### **REVIEW PERIOD**

This qualification shall be reviewed every five years from the date of registration.

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