BQA NCQF QUALIFICATION TEMPLATE

SECTION A:	QUALIFICATION DETAILS																	
QUALIFICATION DEVELOPER (S)	College of Fire and Safety																	
TITLE	Diploma in Fire Risk Management												**NCQF LEVEL**		6			
STRANDS (where applicable)	1. N/A 2. 3. 4.																	
FIELD	Health and Social Services												**CREDIT VALUE**		240			
SUB FIELD	Social Services																	
New Qualification	√	Legacy Qualification	N/A	Renewal Qualification	N/A													
				Registration Code	N/A													
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:

The qualification on Fire Risk Management is aligned to Botswana Vision 2036 recognizes education and skills development as the basis for human resource development. Hence the type of qualification on Fire Risk Management is aligned to the needs of the economy and business in particular. The qualification is also supported by the recommendations of the Government Paper No. 37 of 2008: “Towards a Knowledge Society”, Tertiary Education Policy, as approved by the National

Assembly on the (2008, pg 10). It also supports the skills training and development component of the Life Cycle Model of the NHRD Strategy (2009). Perusal of priority skills and employment article (Human Resource Development Council of Botswana [HRDC], 2018), specifically include Fire fighters with technical skills in First aid and fire rescue in the list of occupations in demand for Botswana (p.9).

The market need analysis which was conducted among potential trainees and industry stakeholders helped to identify the demand a qualification in Fire Risk Management hence this qualification. The survey which was conducted to establish whether the qualification was viable. The responses from the survey were positive with aspiration and conviction that the qualification was contemporary, needed, and sustainable. Market survey was carried out and the outcome of the survey reflects that the qualification in Fire Risk Management is in demand.

PURPOSE: (itemise exit level outcomes)

The proposed qualification in Fire Risk Management is intended to produce individuals with competence to

1. identify and manage potential fire hazards in a workplace.
2. Lead the implementation of workplace fire safety procedures.
3. supervise fire prevention activities and strategies.
4. Determine appropriate fire controls including both technological and procedural measures.
5. Demonstrate ability to provide fire safety training at an entry level.
6. Apply fire risk management strategies to the workplace.

MINIMUM ENTRY REQUIREMENTS (including access and inclusion)

Entry Requirements:

a) Minimum Certificate IV, NCQF Level 4. E.g BGCSE or equivalent.

b) Applicants who do not meet the above criteria but possess relevant industry experience may be considered through Recognition of Prior Learning (RPL) and Credit Accumulation and Transfer (CAT) policies for access. This consideration will be done following guidelines of the ETP which are aligned with BQA/ National policies

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SECTION B	QUALIFICATION SPECIFICATION
GRADUATE PROFILE (LEARNING OUTCOMES)	**ASSESSMENT CRITERIA**
1. Lead Fire Safety activities in the workplace.	1.1 apply the regulations of Building Control to the workplace for compliance 1.2 respond to practical words of Command in a given workplace setting 1.3 Give and receive of Fireground Communication as proof of understanding 1.4 operate Basic Firefighting equipment as well as explain the maintenance and care of the equipment 1.5 teach other employees on the fire hazards in the workplace and how to use control measures to manage them
2. Introduce various strategies to a real workplace intended to minimize risk	2.1 create Emergency response plans in the workplace to bring awareness and to sensitize team members on what to do in case of emergency 2.2 Show understanding of and Service routines of equipment 2.3 Illustrate Insurance as risk management strategy 2.4 Carry out Audits and Inspections to ascertain how the premises are being managed with regards to fire safety.
3. Identify and assess complex and unpredictable risks and hazards in the workplace and recommend remedial actions.	3.1 identify fire hazards in the workplace and use control measures to manage them. 3.2 determine and communicate accurate controls to identified hazards 3.3 Assess fire potential in the workplace to minimize risks
4. Design and conceptualize Fire Installations in accordance with identified fire risks	4.1 Suggest the relevant installation to an identified risk. 4.2 provide guidance on the maintenance procedure of installed fire equipment

	4.3 Provide recommendations on functional advantages of chosen installed equipment
5. Manipulate and utilize the Fire technology gadgets and demonstrate full understanding thereof	5.1 handle workplace Fire technology to ensure of their effective use. 5.2 choose the right fire suppression for identified fire hazards in a specific location 5.3 Communicate advantages and disadvantages of various Fire Suppression systems
6. Lead audit teams, compile up to standard audits reports and defend them before management	6.1 demonstrate understanding of relevant Audit Standards to a chosen scenario 6.2 Apply audit principles and procedures 6.3 carry out audit reporting, communication and documentation
7. Plan and conduct fire safety training to teach individuals on how to prevent, respond to and reduce fire risks.	7.1 conduct a Training needs analysis of a particular workforce 7.2 plan, prepare and complete a training session for different types of individuals in the workplace. 7.3 manage training records in the workplace to enable the ability to track train and ensure compliance to policies and procedures.
8. 'Demonstrate full understanding of Sprinklers Installation techniques and operation.	8.1 design sample installation plans for sprinklers 8.2 carry out function tests on alarms 8.3 Conduct sprinkler inspections in the premises to ensure that they work properly and effectively. 8.4 carry out and explain service procedures for sprinklers
9. Demonstrate fire risk management soft skills	9.1 demonstrate Installation procedure for Alarms 9.2 conduct a workplace Fire risk assessment to create a fire safety policy and offer recommendations for a safer workplace environment

	9.3 interpret and analyse fire reports to ensure safety of workers and protection from fire and safety hazards 9.4 detail Fire teams, lead a fire drill effectively
10. Demonstrate cognitive and psychomotor Health and Safety measures	10.1 execute Incident response strategy at work 10.2 recommend the requirements of a Safe work place 10.3 Apply practical understanding and demonstration Of skills required for Working in unsafe areas(Heights/confined spaces)
11. Suggest and recommend the relevant fire systems for the workplace	11.1 Assess carious Suppression systems for performance 11.2 Demonstrate test procedure for various systems

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SECTION C	QUALIFICATION STRUCTURE				
COMPONENT	TITLE	Credits Per Relevant NCQF Level			Total Credits
		Level [5]	Level [6]	Level [7]	
FUNDAMENTAL COMPONENT	Introduction to office systems and procedures	10			10

Subjects/ Courses/ Modules/Units	Human Resource Management	10			10
CORE COMPONENT Subjects/Courses/ Modules/Units	Fire Investigation		12		12
	Fire and Legislation		12		12
	Risk Management		12		12
	Building Construction		12		12
	Fire Safety Principles and Practice		12		12
	Fire Service Science		12		12
	Fire safety standards and audit		12		12
	Organisational behaviour		12		12
	Warning and Detection Systems		12		12
	Fire protection Systems		12		12
	Life and language skills		12		12
	Fire suppression technology		12		12
	Fire Risk Assessment and control		12		12
	Fire Prevention and management		16		16
	Health and Safety Management		12		12

	Safe handling and management of hazardous materials		12		12
	Attachment project (Fire Prevention)		12		12
STRANDS/ SPECIALIZATION	Subjects/ Courses/ Modules/Units	**Credits Per Relevant NCQF Level**			**Total Credits**
		Level [ ]	**Level [ ]**	**Level [ ]**	
1.					
2.					
Electives	Introduction to ICT			12	12
	Fire fighter 1			12	12

SUMMARY OF CREDIT DISTRIBUTION FOR EACH COMPONENT PER NCQF LEVEL	
TOTAL CREDITS PER NCQF LEVEL	
NCQF Level	**Credit Value**
Level 5	**20**
Level 6	**208**
Level 7	**12**
TOTAL CREDITS	**240**

Rules of Combination:

(Please Indicate combinations for the different constituent components of the qualification)

The credits combination for this qualification is from 20 of fundamental components, 208 core components and the remaining 12 is from the elective components where candidates would choose one (1) module.

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ASSESSMENT ARRANGEMENTS
For formative Assessment learners are continuously assessed through internal assessment which constitutes 50% of the overall grade for all modules. For Summative Assessment Integrated assessment, focusing on the achievement of the exit-level outcomes, will be done by means of a written examination amongst other forms of assessment at the end of every module. The summative assessment will constitute 50%.
MODERATION ARRANGEMENTS
There will be internal and external moderation for the qualification. Assessors and moderators must be BQA registered and accredited. Both internal and external moderation will be done in-line with the moderation policy of the Institution
RECOGNITION OF PRIOR LEARNING
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. Implementation of RPL shall also be consistent with requirements, if any, prescribed for the field or sub-field of study by relevant national, regional or international professional bodies.'
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)
LEARNING PATHWAYS Horizontal Articulation: Diploma qualification in Health and Safety Vertical Articulation: a) Bachelor of Science Degree in Occupational Health and Safety b) Bachelor of Science Degree in Safety, Health and Environmental management

c) Bachelor's Degree in Fire Science

d) B. Tech Degree in Fire Safety Engineering

Employment Pathways

The following are the employment pathways for a graduate who has successfully completed this qualification:

a. Fire Risk Manager.

b. Safety consultant

c. Safety supervisor or coordinator

d. Fire Department leader

e. Fire Suppression technician

f. Fire safety Auditor

QUALIFICATION AWARD AND CERTIFICATION

Minimum standards of achievement for the award of the qualification

A candidate is required to achieve the stipulated total credits of 240 inclusive of the fundamental, core and elective components, to be awarded a Diploma in Fire Risk Management qualification.

Certification

Candidates meeting prescribed requirements will be awarded the Diploma in Fire Risk Management qualification

SUMMARY OF REGIONAL AND INTERNATIONAL COMPARABILITY

Diploma in Fire Risk Management compares well with Diploma in Fire Science and Fire Safety which is offered by The Institution of Fire engineers (IFE) in UK and also the Diploma in Fire Safety and Hazard Management offered by SV University in India. The tittle of the proposed Diploma differs from Diploma in Fire Science and Fire Safety and Diploma in Fire Safety and Hazard Management however the course content and modules offered is the same as those on the proposed diploma. The similarities can be found in terms of basic content coverage such as Fire Prevention and Management, Fire Risk strategy, Fire Service Science, Fire Safety Standards &

Audit, Fire Investigation and Fire Safety Legislation. Diploma in Fire Science and Fire Safety is designed to offer candidates career opportunities such as Safety officer, Fire Risk assessor, Fireman, Safety consultant. These career opportunities are similar to what the proposed Diploma offers or is designed to offer the candidates.

Differences

The qualification's major difference with most benchmarked qualification is on the nomenclature issue, SV University in India use the title Fire safety and hazard management for their program and also offer it on a duration of 1 year, This probably due to the fact that most of their students are from the municipal fire brigades and possess a basic level 5 certificate in Fire or equivalent whereas the proposed diploma one is required to have a minimum of BGCSE and hence being offered for two years and as a result they cover all modules which include all modules at certificate level.

The proposed qualification compares very well with similar qualification in the region and beyond.

REVIEW PERIOD

This qualification will be reviewed in a period 5 years upon registration.

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For Official Use Only:

CODE (ID)			
REGISTRATION STATUS	**BQA DECISION NO.**	**REGISTRATION START DATE**	**REGISTRATION END DATE**
LAST DATE FOR ENROLMENT		**LAST DATE FOR ACHIEVEMENT**	