

QUALIFICATION SPECIFICATION							SECTION A
<b>QUALIFICATION DEVELOPER</b>	BA ISAGO University						
<b>TITLE</b>	Diploma in Disaster Management				<b>NCQF LEVEL</b>	6	
<b>FIELD</b>	Health and Social Services		<b>SUB-FIELD</b>	Disaster Management			
<b>New qualification</b>	✓		<b>Review of existing qualification</b>				
<b>SUB-FRAMEWORK</b>	General Education		TVET		Higher Education	✓	
<b>QUALIFICATION TYPE</b>	Certificate		Diploma	✓	Bachelor		
	Bachelor Honours		Master		Doctor		
<b>CREDIT VALUE</b>	362						
<b>RATIONALE AND PURPOSE OF THE QUALIFICATION</b>							
<p><b>Rationale</b></p> <p>Hazards are inevitable but disasters are escapable. Therefore, it is eminent to device management strategies. It is important to ensure communities cope and become resilient in such challenging conditions. Disasters usually cause serious disruption to human populations, property and the economic resources of several nations. Such destructions have resulted in reversed national economic development. For example, the Botswana's National Development Plan 10 indicates that drought, which is one of the recurring disasters in Botswana affects the already fragile food and agricultural situation in the country and seriously weakens the rural economy and socio-cultural structures in existence (Ministry of Finance and Development, 2013). Furthermore, Botswana has continued to experience disastrous events such as outbreak of diseases like foot and mouth, floods in various regions, intermittent droughts and storms, threatened by like Zika viruses and Ebola pandemic; hence, prone to disasters. As a result, disaster management strategies are critically needed to manage these drought and animal diseases outbreaks. In response to these disasters, the Botswana has developed disaster risk reduction measures in areas of prevention, mitigation, preparedness, response and rehabilitation; hence, their implementation calls for trained personnel.</p>							

Therefore, the increasing occurrences of disasters in Botswana and beyond has increased the need for understanding the avoidance and management strategies as well as prompting high demand for professionals in this field who will be a resource towards overcoming natural and human induced disasters. A need for such trained human resource is vital for initiating strategies and plans for pre and post disaster reliefs and management. With regard to National Disaster Management Office's National Disaster Risk Reduction Strategy of 2013-2018, disasters are associated with costs; therefore, there is a need for implementation of disaster risk reduction strategies and activities that contribute to lessening of disaster risks, impacts and the vulnerabilities (NDMO, 2013). Furthermore, Botswana's Vision 36 affirms that through quality education the country provide citizens with competences to attain their full potential, thereby, enabling them to complete on a global market.

The need for this qualification is further supported by the provision in the National Development Plan 11 (NDP11) which highlights the need to reduce impacts of disasters through implementation of various disaster risk reduction measures such as the use of a National Disaster Risk Management Plan; sector specific plans addressing epidemics, structural fires, wild land fires, floods and geological hazards; strengthened disaster management committees at all levels; disaster public education awareness programmes to the communities and vulnerability assessments in disaster prone areas (Ministry of Finance and Development, 2016). Therefore, such roles can be effectively carried out by trained personnel; therefore, a need for Diploma in Disaster Management.

**Purpose:**

From this qualification, graduates will be equipped with knowledge, skills and competence to:

- i. Develop, implement and assess response projects and disaster management programs and systems in their communities at grass-root levels.
- ii. Carry out risk assessment, vulnerability analysis and exploration of effects of disasters to effectively provide capacity building and support to organizations and other stakeholders to promote preparedness and risk reduction and management towards disasters.
- iii. Develop strategies for disaster preparedness and post-disaster trauma.

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

- i. Certificate IV NCQF Level 4 (General Education/technical and vocational education and training (TVET).
- ii. Candidates who do not meet the minimum academic qualifications stated above will be considered through a Recognition of Prior Learning (RPL) process which shall be administered according to the National RPL Policy. There will also be provision for Credit Accumulation Transfer to the learner in a case they are transfer in from another institution as per National Policy on CAT.

<b>QUALIFICATION SPECIFICATION</b>		<b>SECTION B</b>
<b>GRADUATE PROFILE (LEARNING OUTCOMES)</b>	<b>ASSESSMENT CRITERIA</b>	
1. Generate community awareness and strengthen mechanism for community mobilization in disaster management.	1.1 Develop emergency communication to local communities to address vulnerability to disasters. 1.2 Organize different platforms to engage and mobilise communities during times of disaster 1.3 Determine the role of key community leaders in disaster management e.g. dikgosi 1.4 Draft emergency communication to local communities to address vulnerability to disasters. 1.5 Evaluate the effectiveness of community engagement in disaster preparedness and management.	
2. Analyze effects of disasters.	2.1 Assess the impacts of disasters to humans and the environment. 2.2 Analyze the distribution of disasters. 2.3 Develop mitigation strategies to reduce vulnerability.	
3. Carry out risk assessment and vulnerability analysis.	3.1 Evaluate the risks for a safe and healthy environment. 3.2 Identify vulnerability complex of community and or the general populace.	

	<p>3.3 Develop a Health and Safety Policy for risk reduction.</p> <p>3.4 Forecast possible imminent disasters through understanding previous disasters.</p> <p>3.5 Apply the simulation and forecasting techniques to control disasters.</p>
4. Evaluate the humanitarian bodies, ethical and legal aspects and their contribution on disaster management and rescue processes.	<p>4.1 Identify humanitarian and emergency response bodies relevant for disaster management.</p> <p>4.2 Evaluate the international humanitarian system and their operational practices.</p> <p>4.3 Employ the Sphere Standards and the Humanitarian Charter at community and national levels.</p> <p>4.4 Assess the implement of policy and legislation that manage and mitigate disasters.</p> <p>4.5 Organize disasters awareness activities and days.</p>
5. Provide capacity building and support to the organization and other stakeholders to promote preparedness and risk reduction and management towards disasters.	<p>5.1 Train fellow employees on disaster preparedness, response, recovery, rehabilitation, emergency plans, and mitigation processes.</p> <p>5.2 Design promotional and educational awareness materials and strategies for disaster preparedness and management.</p> <p>5.3 Develop communication skills and platforms for disaster management processes.</p> <p>5.4 Identify, develop and promote best practice, policy and guidance in reducing disaster risks and vulnerabilities.</p> <p>5.5 Establish external partnerships with institutions and the corporate sector dealing with global disaster reduction.</p>
6. Examine hazardous waste and their influence on exposure to biological and or chemical disasters.	<p>6.1 Demonstrate acquaintance of effects of toxicological exposures on various sectors (human, environmental, economical).</p> <p>6.2 Develop practical skills and strategies geared towards the management of chemical exposures.</p>

7. Design strategies that address post-disaster trauma and psychotherapy.	<p>7.1 Scrutinize existing hazard control measures to identify any gaps and make appropriate recommendations for disaster management.</p> <p>7.2 Develop basic counseling skills and ability to identify individual with social care needs.</p> <p>7.3 Prepare disaster control plans and crowd management approaches in response to disasters.</p>
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QUALIFICATION STRUCTURE		SECTION C	
FUNDAMENTAL COMPONENT Subjects / Units / Modules /Courses	Title	Level	Credits
	Foundation in Communication Skills	5	12
	Computing and Information Skills	5	12
	Foundation in Quantitative Methods	5	12
	Foundation in Integrated Science	5	12
CORE COMPONENT Subjects / Units / Modules /Courses	Practices of Humanitarian Response	6	12
	Project Planning and Management	7	12
	Disasters and Development	6	12
	Emergency Information Management	6	12
	Policy, Legislation and Economics of Disaster Management	6	14
	Risk Management and Vulnerability Assessment Techniques	6	12
	Financial Management and Development	7	12
	Environmental Management	6	12
	Introduction to Disaster Management	6	12
	Principles of Emergency Preparedness and Disaster Management	7	12
	Introduction to Occupational Hygiene and Toxicology	6	12
	Hazardous Waste and Disaster Management	7	12
	Post-disaster Psychotherapy	6	12

	Crowd Management and Conflict analysis	6	12
	Introduction to Monitoring and Evaluation	6	12
	Introduction to Law	7	12
	Food Aid Management and Planning	6	12
	Introduction to Occupational Health and Safety and Safety Management	6	12
	Concepts and Principles of Climate Change	7	12
	Safety Management and the Built Environment	6	12
	Industrial Attachment	6	60
<b>ELECTIVE COMPONENT</b> Subjects / Units / Modules /Courses ( <b>Choose 1</b> )	Gender and Development	6	12
	Demography and Population	6	12

**Rules of combinations, Credit distribution** (where applicable):

Level 5 consists of 48 credits

Level 6 consists of 242 credits

Level 7 consists of 72 credits

**Total Credits= 362**

For award of this qualification, all fundamental, core and elective modules should be completed, leading to a total of 362 credits, where 48 credits are from the fundamental component, 302 credits from the core component and 12 credits from the elective component.

**ASSESSMENT AND MODERATION ARRANGEMENTS**

**ASSESSMENT**

**Formative Assessment**

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

**Summative Assessment**

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

## **MODERATION ARRANGEMENTS**

There will be provision for internal and external moderation for the qualification. Moderators must be BQA registered and accredited. Both internal and external moderation will be done in-line with institutional and national policies.

## **RECOGNITION OF PRIOR LEARNING (if applicable)**

There will be provision for awarding of the qualification through RPL in line with the national RPL Policy. There will also be provision for CAT awarding credits to the learner in a case where they do not complete the qualification or transfer to another institution.

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

### **Learning Pathways**

#### **Vertical Articulation**

- Bachelor of Science in Disaster Management;
- Bachelor of Science in Safety Management.
- Bachelor's Degree in Environmental Management.
- Bachelor's Degree in Safety and Risk Management.
- Bachelor's Degree in Occupational Health and Safety Management.

#### **Horizontal Articulation**

- Diploma in Safety and Risk Management
- Diploma in Occupational Health and Safety Management;
- Diploma in Environmental Health;
- Diploma in Environmental Management.

### **Employment Pathways**

- Disaster Management Officer;
- Humanitarian Officer;
- Community Engagement and Accountability Officer
- Loss Control Officer;
- Safety Officer;
- Operations Risk Officer;

- Hazardous Materials Officer;
- Emergency Planner;
- Safety Control/Protection Officer;
- Emergency Management Officer;
- Disaster Recovery Officer;
- Disaster and Safety Management Researcher Assistants.

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

Candidates meeting the prescribed requirements will be awarded the certificate in accordance with the qualification composition rules and applicable policies. To be eligible for the award of the Diploma in Disaster Management, candidates should have obtained a total of 362 credits.

#### **REGIONAL AND INTERNATIONAL COMPARABILITY**

This qualification compares with the following:

##### **Regional Qualification:**

- i. Kenyatta University offers a Diploma in Disaster Management at NQF Level 6, which is offered over 4 semesters. The qualifications covers modules in disaster preparedness, prevention, management, assessment and as well local and international organisations put to address issues o disaster management. The qualitions looks further into issues of guidance, counselling and rehabilitation. However, there are a lot of similarities and shared modules amongst this qualification and the proposed Diploma in Disaster Management.

##### **International Qualification:**

- i. **International Centre for Emergency Preparedness Training** offers a Level 6, Diploma in Disaster Management which equip learners with knowledge on disaster preparedness, mitigation and rehabilitation processes and enables the learners to carry out risk assessment and vulnerability analysis. The qualification provides participants with a regional, national and international perspective on disaster management. Special emphasis is placed on the specific disaster profile of each region/country and issues relating to vulnerability and risk assessment, prevention, mitigation, preparedness, rehabilitation and reconstruction and relevant legislation.
- ii. **Blue Ridge Community College** in Weyers Cave in Virginia offers a one and half years Diploma in Emergency Management Technology worth 58 credits. This qualification was designed to equip

students with a foundation of technical and professional knowledge needed for emergency services delivery in local and state government agencies. The qualification incorporates both management and technical aspects of law enforcement, fire protection, emergency medical services, and emergency planning. Learners will be exposed to technical and administrative skills such as investigative principles, hazardous materials, codes, standards, emergency agency operations, and finance.

- iii. **Rowan-Cabarrus Community College** offers an Emergency Management Diploma. The Emergency Management is designed to provide students with a foundation of technical and professional knowledge needed for emergency services delivery in local and state government agencies. The qualification involves both management and technical aspects of law enforcement, fire protection, emergency medical services, and emergency planning.

It is important to note that there are very limited institutions offering Diploma in Disaster Management at undergraduate level (NCQF Level 6) locally, regionally and internationally; benchmarking for similar qualifications was a challenge since the majority offered it at post graduate diploma level which falls on NCQF 8 rather than at level 6. It is important to note that the modules covered from the institutions used are significantly comparable and similar, despite that one of the area benchmarked with is a training institute. Nonetheless, having this qualification ensures that other institutions would have a baseline for benchmarking and have capacity to offer it locally and regionally. Both qualifications expose learners disasters preparedness, their mitigation, rehabilitation and management based of case studies and experiences from other countries and locally. The qualifications develop learners with abilities to carry out risk assessment and vulnerability analysis of their communities and globally.

#### **REVIEW PERIOD**

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



**BQA NCQF Qualification Template**

**DNCQF.FDMD.GD04**

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