

**BQA NCQF Qualification Template**

DNCQF.FDMD.GD04

Issue No.: 01

QUALIFICATION SPECIFICATION							SECTION A
<b>QUALIFICATION DEVELOPER</b>		BA ISAGO UNIVERSITY					
<b>TITLE</b>		Diploma in Transport Management and Logistics			<b>NCQF LEVEL</b>		6
<b>FIELD</b>	Business, Commerce and Management Studies			<b>SUB-FIELD</b>	Transport Management and Logistics		
<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>					252		
RATIONALE AND PURPOSE OF THE QUALIFICATION							
<p><b>Rationale</b></p> <p>The Human Resources Development Council Top Occupations in Demand (HRDC 2016) has identified the transport and logistics sector as a priority area for skills development based on the sub-sectors growth and potential for creation of employment.</p> <p>Further, the National Development Plan (NPD11) asserts the need for qualified personnel in logistics and supply chain management. The Plan states that the country would undertake reforms to facilitate the movement of goods and services, for efficiency and effectiveness, through the simplification and streamlining of import and export procedures, as well as the modernization of border procedures and control techniques.</p> <p>The Botswana's Vision 2036 (2015:15-19) explains that transport and logistics sector in Botswana are playing a central role in bankrolling the economic activities through their supporting of the movement of goods and services. In acknowledgement of these positive contributions, the Botswana Government has set among its priorities the development of the transport sector by driving infrastructural development. The Vision 2036 (2015:17) further explains that Transport and logistics services are essential for the economy to support the movement of persons, goods and services.</p>							

The Botswana Transport & Infrastructure Statistics Report (2015) also postulates that the transport sector in Botswana has played an important role in economic growth in the 50 years post-independence. This assertion is justified by statistics to the effect that the Transport sector's contribution to the Country's GDP has been on the rise since 2006 (2.6%), to 5.6% in 2015.

### **Purpose**

The proposed Diploma In Transport Management and Logistics is aimed at incubating professionals with well-rounded managerial, professional and industry specific intellectual competencies, knowledge and skills to be able to identify, analyse, evaluate, critically reflect on and solve complex problems within the Transport Management field. They should be able to make managerial decisions in the context of Transport and analyse, synthesize and evaluate information; communicate these decisions, ideas and/or opinions using appropriate academic, professional or occupational standards.

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

- i. Applicants must have obtained a minimum qualification of NCQF Level IV, Certificate IV (e.g. BGCSE), with four credits at or its equivalent including a pass in English language.
- and
- ii. Candidates must have successfully completed a level 5 Certificate in Transport Management and Logistics, or its equivalent from a recognized institution.
- OR
- iii. Special Entry: Candidates who do not have the minimum academic qualifications stated above but have five years relevant work experience in a related field, will be considered upon satisfying the requirements of the Academic Affairs Board that might include an entrance interview.

### **QUALIFICATION SPECIFICATION**

#### **SECTION B**

#### **GRADUATE PROFILE (LEARNING OUTCOMES)**

#### **ASSESSMENT CRITERIA**

1. Demonstrate knowledge of transport management and logistics.	1.1 Describe the concept transport and logistics management 1.2 Explain the multi-modal transport systems such as road transport, maritime transport and air Transport 1.3 Discuss the role and importance of transport
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	<p>and logistics to business organisations.</p> <p>1.4 Identify current and future developments in logistics and transport</p> <p>1.5 Analyse the effects of transportation on logistics</p>
2. Analyse the role of logistics operations within a supply chain environment.	<p>2.1 Explain the concept of supply chain management</p> <p>2.2 Identify different supply chain management activities</p> <p>2.3 Distinguish the interrelationships between transportation and supply chain management</p> <p>2.4 Plan transport operations within a supply chain environment</p> <p>2.5 Develop efficient logistics and supply chain strategies using appropriate theory, tools and methods</p> <p>2.6 Apply the concepts of supply chain within the logistics environment</p> <p>2.7 Review logistics operations efficiency and effectiveness in meeting organizational objectives</p>
3. Apply the principles of economics to transport and logistics operations.	<p>3.1 Explain the economic concepts of supply, demand, pricing and elasticity as it applies to transportation</p> <p>3.2 Identify key demand and supply factors affecting transport operations</p> <p>3.3 Appraise the characteristics and issues relating to transport pricing</p> <p>3.4 Evaluate the economic impacts of transport schemes using cost benefit analysis and alternative methods</p> <p>3.5 Evaluate the role of transport management from</p>

	<p>an economic perspective, the</p> <p>3.6 Assess the impact of competition on the transport industry</p>
4. Develop and maintain service level agreements within the logistics function.	<p>4.1 Explain the concept of service level agreement</p> <p>4.2 Identify to key performance indicators (KPIs) in relation to service level agreement</p> <p>4.3 Associate service level agreements and customer-3PL</p> <p>4.4 Develop SLA and KPI agreements</p>
5. Examine and adhere to the legislative and ethical frameworks and international codes and practices underpinning transport and logistics operations	<p>5.1 Identify the legal and ethical factors affecting transport and logistics operations</p> <p>5.2 Explain the legal framework that shapes the international and local logistics operations</p> <p>5.3 Analyse the impact of ethical and legal issues pertinent to the transport and logistics sector</p> <p>5.4 Develop transportation strategies compliant with the legislative framework</p> <p>5.5 Monitor the conditions, dynamics and the main players in the logistics environment</p> <p>5.6 Analyse the impact of the Transport Industry on the environment</p> <p>5.7 Review transport and logistics practices to ensure compliance to regulatory standards</p>
6. Implement risk mitigation and contingency plans in a transportation environment.	<p>6.1 Identify risk associated with transportation and logistics</p> <p>6.2 Develop risk mitigation strategies for given situations</p> <p>6.3 Execute risk mitigation actions to enhance opportunities and reduce threat in logistics and transportation</p> <p>6.4 Monitor progress of executing the risk mitigation actions</p>

	6.5 Appraise on best practices in risk management by working through contemporary case studies.
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QUALIFICATION STRUCTURE			
SECTION C			
FUNDAMENTAL COMPONENT Subjects / Units / Modules /Courses	Title	Level	Credits
CORE COMPONENT Subjects / Units / Modules /Courses			
	Business Communication	6	12
	Introduction to Logistics Management	6	12
	Warehousing and Inventory Management	6	12
	Principles of Business Management	6	12
	Computing and Information Skills	6	12
	Financial Accounting	6	12
	Commercial Law	6	12
	Supplier Relationship Management	7	12
	Transport Economics	6	12
	Procurement and Supply Chain Management	6	12
	Transport Management	6	12
	Industrial Attachment	7	60
	Principles of Marketing	6	12
	Productions and Operations Management	7	12
	Project Management in Logistics	7	12

	Entrepreneurship1	6	12
	Environmental Management in Logistics	6	12
<b>ELECTIVE COMPONENT Subjects / Units / Modules /Courses</b>	<b>Not applicable</b>		
<b>Rules of combinations, Credit distribution</b> (where applicable):			
Level 6 credits=156			
Level 7 credits=96			
Total credits =252			

## **MODERATION ARRANGEMENTS**

### **Assessment**

All assessments which are leading to the award of the qualification should be based on learning outcomes and associated assessment criteria.

#### **i. Formative assessment**

The weightings for the Formative Assessment component which contributes to the awarding of credits is to be weighted as follows:

- 2 Assignments - 13%
- Test -14%
- Mid-Term Mock Examinations - 13%

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

#### **ii. Summative assessment**

- Final examinations

The weighting of summative assessment is 60 % of the Final assessment mark

### **Internal moderation requirements**

- All assessment instruments should be internally moderated before administration

- ii. All marked scripts should be moderated internally
- iii. The preparation of the moderation should be accompanied by the Assessment Matrix.
- iv. Reports and associated documents to be in place for external moderation should include but not limited to:
  - Qualification document
  - Assessment Instrument
  - Assessment design and alignment matrix
  - Marking key
  - Internal Moderation report
  - List of candidates and scores attained (Module – wise report)
  - Examination Attendance register

#### **External moderation requirements**

External moderation is a final check, by external subject experts, that the examination and marking is at the right standard for the type and level of the qualification. External moderation exercise may lead to a decision to change marks. Each sub-field will have a Substantive External Examiner.

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

Recognition of Prior Learning (RPL) is a form of assessment for eligibility into the qualification. It allows recognition of skills and knowledge acquired through informal learning such as work or life experience. RPL is granted where the candidate is able to provide sufficient evidence of their competence in a module as determined by the appointed RPL Assessor.

Candidates wishing to apply for RPL assessment submit their applications three months prior to the commencement of the qualification they seek to enroll in. All prospective students will complete an application form and attach all required evidence, in the form of following:

- In-house training certificates
- Examples of work produced
- Workplace reference
- Statement of duties
- Project Work
- Newspaper cuttings of achievements
- Minutes of meetings attended or conducted
- Documents showing organizing/supervisory skills

- Awards, commendations, certificates of merit

All evidence presented shall be reviewed and will match that evidence against the Performance Criteria stated in the Unit of Competency. It may be necessary to ask questions about the evidence or ask the candidate to perform an activity or undergo a test to provide evidence where there are gaps between what has been provided and what is required.

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

#### **Learning Pathways**

##### ***Horizontal Articulation:***

- Diploma in Dangerous Goods- Multi-modal Transportation
- Diploma in Exports Management and Logistics
- Diploma in Road Transport Management and Logistics
- Diploma in Road Transport Supervision
- Diploma in Shipping

##### ***Vertical Articulation***

- Bachelor of Commerce Degree in Transport Management and Logistics
- Bachelor of Commerce Degree in Supply Chain Management
- Bachelor of Commerce Degree in Export Administration
- Bachelor of Commerce Degree in Land Transport Planning
- Bachelor of Commerce Degree in Generic Management
- Bachelor of Commerce Degree in Freight Handling Logistics

#### **Employment Pathways**

- Logistics Officer
- Material Controller
- Import/Export Officer
- Warehouse and Stock Controller
- Supply Chain Officer
- Distribution Officer



- Transport Officer
- Logistics Consultant

### **QUALIFICATION AWARD AND CERTIFICATION**

- i. Candidates meeting the prescribed requirements will be awarded the qualification in accordance with the qualification composition rules and applicable policies. To be eligible for the award, candidates must have successfully completed all core and elective modules and passed examinations in accordance with regulations set by the Faculty. The Diploma in Transport Management and Logistics will be awarded to candidates who have obtained a minimum of 252credits.

### **REGIONAL AND INTERNATIONAL COMPARABILITY**

This qualification has been benchmarked with the following local, regional and international institutions:

1. Gaborone University College of Law and Professional Studies - Diploma In Transport Planning and Management
2. University Of Johannesburg (South Africa) - Diploma In Transportation Management
3. Dublin Institute of Technology (DIT) Dublin UK - Diploma in Logistics and Supply Chain Management)

#### **COMPARABILITY:**

**Similarities:** All the Diploma qualifications have a component of Transport management/planning. The Diplomas are all offered a period of two years except for the UJ Diploma which is offered over three years. All the benchmarked institutions have an industrial learning (attachment) component.

**Differences:** University of Johannesburg Diploma do not offer the logistics component in their curriculum. Dublin Institute of Technology (DIT) does not offer the Transport Management component in their Diploma. University of Johannesburg offer their Diploma over a period of 36 months whereas Dublin Institute of Technology (DIT) offers its Diploma over 12 months.

**Assessment:** Assignments, tests, and Examination are used by all benchmarked institutions to assess the learners. There are however some differences in the assessment component contribution to the final learner results.

**Certification:** Certification for the Diploma is only on successful completion of the set credits for all the institutions.

**Summary:**

In purview of the above, the proposed Diploma in Transport Management and Logistics has a cut above all the noted competitors in that it brings out a well-balanced learner in the areas of Transport, Logistics and Supply Chain Management which individually done of the benchmarked Diplomas is doing.

**REVIEW PERIOD**

This qualification will be reviewed after 5 years upon registration.

**Other information** – please add any supplementary information to help the application for this qualification for NCQF Registration.

**For Official Use Only:**

<b>CODE (ID)</b>			
<b>REGISTRATION STATUS</b>	<b>BQA DECISION NO.</b>	<b>REGISTRATION START DATE</b>	<b>REGISTRATION END DATE</b>
<b>LAST DATE FOR ENROLMENT</b>	<b>LAST DATE FOR ACHIEVEMENT</b>		