

BQA NCQF QUALIFICATION TEMPLATE

SECTION A: QUALIFICATION DETAILS													
QUALIFICATION DEVELOPER (S)	BA ISAGO University												
TITLE	Diploma in Transport Management and Logistics							NCQF LEVEL	6				
STRANDS (where applicable)	N/A												
FIELD	Business, Commerce and Management Studies			SUB-FIELD	Management Studies			CREDIT VALUE	240				
<i>New Qualification</i>						<i>Legacy Qualification</i>						✓	
SUB-FRAMEWORK	<i>General Education</i>				<i>TVET</i>				<i>Higher Education</i>				✓
QUALIFICATION TYPE	Certificate	I	II	III	IV	V	Diploma	✓	Bachelor				
	<i>Bachelor Honours</i>				<i>Post Graduate Certificate</i>				<i>Post Graduate Diploma</i>				
	<i>Masters</i>					<i>Doctorate/ PhD</i>							
RATIONALE AND PURPOSE OF THE QUALIFICATION													
<p>Rationale:</p> <p>Diploma in Transport Management & Logistics qualification is imperative to addressing the growing demands and complexities within the transportation and logistics sector in Botswana as there is a pressing need for skilled professionals in this sector to manage the increasingly complex supply chain networks, optimize transportation operations, and ensure seamless connectivity within the region. Human Resource Development Council Priority List Report (2023/2024) emphasises the need for an increased number of Transport and Logistics personnel, with the requisite analytical, adaptable and</p>													

industry driven skills to fully optimize supply chain and logistics operations. The proposed qualification will cater directly to the evolving requirements of the transport and logistics industry, ensuring a steady supply of well-trained professionals to meet the nation's economic development goals. As globalization continues to shape the landscape of trade and commerce, efficient and effective transportation and logistics management has become a critical driver of economic growth. This qualification will therefore equip aspiring professionals with the essential knowledge and skills required to excel in this dynamic field, fostering a highly skilled workforce capable of efficiently managing the movement of goods and services.

Furthermore, Diploma in Transport Management & Logistics qualification aligns with National Development Plan (NDP11). 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. The plan places significant emphasis on promoting trade and enhancing the country's connectivity both domestically and internationally. This qualification will play a pivotal role in addressing the critical need for skilled professionals in this sector.

Botswana's Vision 2036 (2015:15-19) explains that transport and logistics sector in the country plays a central role in bankrolling the economic activities through the support of the movement of goods and services. In acknowledgement of these positive contributions, the Government of Botswana has set among its priorities the development of the transport sector by driving infrastructural development. 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.

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 hence the need to capacitate more professionals in this industry in order to meet the increasing demand.

BA ISAGO University recorded a 50% increase in the enrolment numbers for the Diploma in Transport Management and Logistics qualification, in the academic year 2022-2023. The surge in these

numbers reflects a growing demand and recognition of the qualification's relevance in meeting educational needs that are aligned with evolving industry trends.

Qualification Purpose

The purpose of this qualification is to produce graduates with advanced knowledge, skills and competence to:

- Apply operational expertise in analysing logistical challenges and propose effective solutions to optimize transport operations.
- Evaluate the environmental and sustainability impact of transportation and logistics decisions and recommend eco-friendly alternatives.
- Apply an in-depth awareness of laws, regulations and industry standards governing transportation and logistics operations.
- Apply advanced risk management strategies to mitigate potential disruptions and challenges in the supply chain and transport systems.

MINIMUM ENTRY REQUIREMENTS (including access and inclusion)

- i. Applicants must have a minimum of Certificate IV, NCQF Level 4 (TVET/GE) or equivalent.
OR
- ii. Candidates who do not meet the minimum academic qualifications stated above will be considered through the Recognition of Prior Learning (RPL) process which shall be administered according to the National RPL Policy. There will also be a provision for Credit Accumulation Transfer to the learner in case they transfer in from another institution as per National Policy on CAT.

SECTION B		QUALIFICATION SPECIFICATION	
GRADUATE PROFILE (LEARNING OUTCOMES)		ASSESSMENT CRITERIA	
<p>1. Optimise supply chain processes through selecting and combining the best methods and practices in a globalised supply chain environment.</p>	<p>1.1 Apply advanced techniques of route optimization to minimize transit time and cost.</p> <p>1.2 Conduct thorough analysis of global supply chain dynamics considering factors such as sourcing strategies and trade regulations.</p> <p>1.3 Demonstrate advanced skills to evaluate transportation modes based on specific supply chain requirements and constraints.</p> <p>1.4 Demonstrate advanced skills to identify optimization opportunities within the supply chain whilst analysing inefficiencies, bottlenecks and cost drivers across various stages of the supply chain.</p> <p>1.5 Analyse the environmental impact of transportation choices and propose sustainable alternatives.</p>		
<p>2. Apply efficient inventory and warehouse management techniques in the transport industry.</p>	<p>2.1 Analyse key performance indicators (KPIs) to assess warehouse efficiency.</p> <p>2.2 Demonstrate advanced knowledge to develop inventory control strategies to optimize stock levels and turnover rates.</p> <p>2.3 Implement technology solutions for real-time tracking and management of inventory.</p> <p>2.4 Implement quality assurance procedures to ensure the accuracy, integrity and condition of inventory items throughout the warehousing and transportation processes.</p> <p>2.5 Evaluate warehouse layout and design for efficient storage and retrieval processes.</p>		

<p>3. Evaluate and apply advanced knowledge of financial management to optimise performance in transport and logistics.</p>	<p>3.1 Develop transportation budgets, including cost analysis, revenue projections and expense tracking.</p> <p>3.2 Implement cost-saving measures opportunities for revenue generation within the transportation and logistics context.</p> <p>3.3 Evaluate financial performance indicators such as return on investment (ROI), cost per mile, and profit margins.</p>
<p>4. Utilise relevant software and technologies for effective communication, coordination and management of transportation operations.</p>	<p>4.1 Use technology for seamless communication within the transport and logistics network.</p> <p>4.2 Effectively coordinate logistics activities, including scheduling, dispatching, and tracking, through transportation management systems and software, to ensure smooth operations.</p> <p>4.3 Plan routes considering factors like distance, time, fuel efficiency and regulatory compliance for operation optimization.</p> <p>4.4 Analyse data from tracking systems to monitor and improve transportation operations.</p>
<p>5. Operate within transport and logistics industry standards, ethics and legal requirements to reduce risks associated with non-compliance.</p>	<p>5.1 Implement compliance strategies to ensure adherence to legal and regulatory frameworks.</p> <p>5.2 Conduct audits and assessments to ensure adherence to regulatory requirements.</p> <p>5.3 Address compliance issues and implement corrective actions as needed.</p> <p>5.4 Evaluate the implications of trade agreements and tariffs on transport and logistics operations.</p> <p>5.5 Apply national and international transportation regulations including safety standards and environmental requirements.</p>

<p>6. Evaluate and apply effective risk mitigation strategies to address identified risks in transport and logistics and employ contingency measures.</p>	<p>6.1 Conduct risk identification exercise in a transport and logistics organisation.</p> <p>6.2 Develop contingency plans and risk mitigation strategies to address identified risks.</p> <p>6.3 Evaluate the effectiveness of risk management measures through scenario analysis and performance metrics.</p>
<p>7. Apply green logistics strategies to minimize the environmental impact of logistics operations.</p>	<p>7.1 Demonstrate a comprehensive understanding of sustainable logistics principles e.g. carbon footprint reduction, waste minimization and circular economy practices.</p> <p>7.2 Analyse the economic benefits of adopting sustainable logistics practices.</p> <p>7.3 Propose environmentally friendly transportation modes and technologies.</p> <p>7.4 Implement strategies for reducing carbon emissions and energy consumption in transport.</p> <p>7.5 Integrate sustainability considerations into logistics operations i.e. green practices across the supply chain including transportation, warehousing, packaging and distribution activities.</p> <p>7.6 Evaluate the environmental impact of logistics operations and propose mitigation measures.</p>

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SECTION C	QUALIFICATION STRUCTURE				
COMPONENT	TITLE	Credits Per Relevant NCQF Level			Total Credits
		Level [5]	Level [6]	Level []	
		FUNDAMENTAL COMPONENT <i>Subjects/ Courses/ Modules/Units</i>	Business Communication	10	
	Principles of Business Management	10			10
	Financial Accounting		12		12
CORE COMPONENT <i>Subjects/Courses/ Modules/Units</i>	Introduction to Logistics	10			10
	Computing and Information Skills	10			10
	Transport Management		12		12
	Warehousing and Inventory Management		12		12
	Procurement and Supply Chain Management		12		12
	Commercial Law	10			10
	Environmental Sustainability in		12		12

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	Transport and Logistics				
	Transport Economics		12		12
	Industrial Attachment		60		60
	International Logistics	10			10
	Supplier Relationship Management		12		12
	Intelligent Transport and Logistics		12		12
	Entrepreneurship		12		12
	Project and Operations Management in Logistics		12		12
STRANDS/ SPECIALIZATION	<i>Subjects/ Courses/ Modules/Units</i>	Credits Per Relevant NCQF Level			Total Credits
		Level []	Level []	Level []	
1.					
2.					

Electives					



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SUMMARY OF CREDIT DISTRIBUTION FOR EACH COMPONENT PER NCQF LEVEL

TOTAL CREDITS PER NCQF LEVEL

<i>NCQF Level</i>	<i>Credit Value</i>
Level 5	60
Level 6	180
TOTAL CREDITS	240

Rules of Combination:

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

The credit combination for this qualification is made up of 32 credits from fundamental components
208 credits from core components.

ASSESSMENT ARRANGEMENTS

All assessments which are leading to the award of the qualification should be based on learning outcomes and associated assessment criteria. Assessment will be conducted by Assessors who have been registered with Botswana Qualifications Authority (BQA). The assessments will be as follows:

i. Formative Assessment

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

ii. 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, conducted by Moderators registered with Botswana Qualifications Authority (BQA).

RECOGNITION OF PRIOR LEARNING

Recognition of Prior Learning (RPL) will be applicable for consideration for award in this qualification as specified in policies by the Education and Training Provider (ETP) in line with the National RPL policies.

CREDIT ACCUMULATION AND TRANSFER

Credit Accumulation Transfer (CAT) will be applicable for consideration for award in this qualification as specified in policies by the Education and Training Provider (ETP) in line with the National CAT policies.

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

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 of Diploma in Transport Management and Logistics, candidates should have obtained a minimum of 240 credits. A certificate will be issued to learners who are awarded the qualification.

SUMMARY OF REGIONAL AND INTERNATIONAL COMPARABILITY

The qualification has been benchmarked with the following regional and international institutions:

- University Of Johannesburg (South Africa) - Diploma in Transportation Management
- The International University of Management (Namibia) - Diploma in Transport and Logistics Management
- UCSI University (Malaysia) - Diploma in Logistics Management

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The proposed qualification compares favorably with the outlined qualifications offered by regional and international Universities. All the qualifications are pitched at Level 6 with respect to their different qualification frameworks, (NCQF, NQF, NQA and MQF). In terms of the qualification titles, the proposed and The International University of Management qualifications are double major in transport and logistics while other qualifications are either transport or logistics. Furthermore, the learning outcomes all the qualifications aim at equipping learners with skills and competencies to confidently maneuver the industry of Transport and Logistics by being well versed in warehousing, packaging, inventory management, transportation, wholesalers, retailers, supply chain, production, storage and distribution. In addition, the qualifications have similar domains such as Finance, Procurement, Business/Commercial Law, Logistics and Supply Chain, Warehouse and Supply chain and Marketing. In terms of the rule for award of the qualification, only learners who have completed all compulsory modules and attained the minimum required credits will be awarded the qualification. In addition, all the qualifications have adopted formative and summative assessments as their assessment strategies.

There are also notable differences between the proposed qualification and the ones benchmarked in terms of credits and duration. The credit bearing and duration for the proposed qualification is 240 credits and runs for 2 years whilst the University of Johannesburg qualification has 360 credits and runs for 3 years, The International University of Management qualification has 248 credits and runs for 2 years and UCSI University's qualification has 90 credits and runs for 2 years.

In terms of articulation, all the qualifications have similar routes for education progression and employment pathways. The common education progression pathway for all the qualifications together with the proposed is an advanced diploma or a bachelor's degree in the field of Transport and Logistics Management. All the qualifications prepare learners for different career opportunities in Transport and Logistics Management in private or public sector, such as Fleet Manager, Logistic Officer, Stock control officer.

REVIEW PERIOD

This qualification will be reviewed after 5 years upon registration.

(Note: Please use Arial 11 font for completing the template)

For Official Use Only:



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CODE (ID)			
REGISTRATION STATUS	BQA DECISION NO.	REGISTRATION START DATE	REGISTRATION END DATE
LAST DATE FOR ENROLMENT		LAST DATE FOR ACHIEVEMENT	
REVISION DATE:		NAME OF PROFESSIONAL BODIES/REGULATORY	



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