

No. 311

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**SOUTH AFRICAN QUALIFICATIONS AUTHORITY (SAQA)**

In accordance with Regulation 24(c) of the National Standards Bodies Regulations of 28 March 1998, the Standards Generating Body (SGB) for

**Transport and Logistics Operations**

registered by Organising Field 11, Services, publishes the following Qualification and Unit Standards for public comment.

This notice contains the titles, fields, sub-fields, NQF levels, credits, and purpose of the Qualification and Unit Standards. The full Qualification and Unit Standards can be accessed via the SAQA web-site at [www.saga.org.za](http://www.saga.org.za). Copies may also be obtained from the Directorate of Standards Setting and Development at the SAQA offices, SAQA House, 1067 Arcadia Street, Hatfield, Pretoria.

Comment on the Qualification and Unit Standards should reach SAQA at the address below and **no later 25 April 2008**. All correspondence should be marked **Standards Setting – SGB Transport and Logistics Operations** and addressed to

The Director: Standards Setting and Development  
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DIRECTOR: STANDARDS SETTING AND DEVELOPMENT



## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

**QUALIFICATION:**  
**National Certificate: Transport Operations**

SAQA QUAL ID		QUALIFICATION TITLE	
61489		National Certificate: Transport Operations	
ORIGINATOR		PROVIDER	
SGB Transport and Logistics Operations			
QUALIFICATION TYPE	FIELD	SUBFIELD	
National Certificate	11 - Services	Transport, Operations and Logistics	
ABET BAND	MINIMUM CREDITS	NQF LEVEL	QUAL CLASS
Undefined	138	Level 5	Regular-Unit Stds Based

***This qualification does not replace any other qualification and is not replaced by another qualification.***

**PURPOSE AND RATIONALE OF THE QUALIFICATION**

Purpose:

The purpose of this qualification is to ensure the coordination and implementation of transport operations so that freight (goods, passengers or livestock) is moved from origin to destination in terms of stakeholder requirements. This must be done in compliance with legislative requirements and international codes and practices.

This qualification builds on the qualification at NQF Level 4 dealing with practical aspects of transport operations. It will provide career development opportunities for those working in transport operations, and promote mobility across the different modes of transport.

Transport is a complex sector in and of itself, and at the same time it affects every other sector in some way. It is essential that those in charge of transport operations develop the insight, knowledge and skill to function effectively in a competitive, multi-faceted environment with unique demands.

The multi-modal nature of this qualification will also provide for a variety of learning pathways with increased specialisation possible, as required. The qualification will also enable many to have their practical skills, developed on the job, recognised through an RPL (Recognition of Prior Learning) process.

A learner obtaining this qualification will be able to:

- Maintain compliance with transport legislation.
- Establish and maintain service level agreements in a transport function.
- Implement risk mitigation and contingency plans in a transport environment.
- Plan transport and transport infrastructure to meet contractual obligations.
- Apply the principles of the economics of transport to transport operations.

The skills, knowledge, values and understanding in this qualification are essential for national competitiveness and will have a positive impact on social and economic transformation and upliftment of the democratic South African society.

**Rationale:**

Transport operations deals with the movement and supply of freight (goods, passengers or livestock) from origin to destination in terms of stakeholder requirements. It involves the movement of any and all goods and materials from raw material stages, through the manufacturing process, to the delivery of finished products and their disposal. It also deals with the routing of freight using all transport modes and related activities such as warehousing.

This qualification establishes the essential knowledge and skills required for competence in Transport Operations, and specifies the assessment requirements for recognition at this level. Learners completing this qualification will be able to coordinate and facilitate operations within the transport environment.

This qualification will provide learners with access to employment opportunities within the Transport Operations environment. Learners will be able to take responsibility for the planning and transportation of goods nationally as well as internationally. The benefit for organisations and the community lies in the continuous improvement of transport service levels. Government is also committed to improving the public service by supporting the transformation of transport operations.

**RECOGNIZE PREVIOUS LEARNING?**

Y

**LEARNING ASSUMED IN PLACE**

It is assumed that the learner entering this qualification will be competent in:

- Mathematical Literacy at NQF Level 4.
- Communication at NQF Level 4.
- Computer Literacy at NQF Level 4.

**Recognition of Prior Learning:**

This qualification may be achieved in part or completely through the recognition of prior learning, which includes formal, informal and non-formal learning and work experience. The learner should be thoroughly briefed on the mechanism to be used and support and guidance should be provided. Care should be taken that the mechanism used provides the learner with an opportunity to demonstrate competence and is not so onerous as to prevent learners from taking up the RPL option towards gaining a qualification.

**Access to the Qualification:**

Access to this Qualification is open to all learners with at least an NQF Level 4 Qualification or equivalent.

**QUALIFICATION RULES**

For award of the qualification, candidates must achieve the required number of credits as specified in the rules of combination below as well as the criteria specified for integrated assessment in the Integrated Assessment Criteria below.

**Rules of combination:**

- All unit standards in the Fundamental Component (16 credits) are compulsory.
- All unit standards in the Core Component (95 credits) are compulsory.
- Learners must choose unit standards totalling at least 27 credits from the Elective Component.

**EXIT LEVEL OUTCOMES**

1. Maintain compliance with transport legislation.
2. Establish and maintain service level agreements in a transport function.
3. Plan transport and transport infrastructure to meet contractual obligations.
4. Apply the principles of the economics of transport to transport operations.

Critical Cross-Field Outcomes:

This qualification addresses the following critical cross-field outcomes, as detailed in the associated unit standards:

- Identifying and solving problems in which responses indicate that responsible decisions using critical and creative thinking have been made.
- Working effectively with others as a member of a team, group, organisation or community.
- Organising and managing oneself and one's activities responsibly and effectively.
- Collecting, analysing, organising and critically evaluating information.
- Communicating effectively using visual, mathematical and/or language skills in the modes of oral/written persuasion.
- Using science and technology effectively and critically, showing responsibility towards the environment and health of others.
- Demonstrating and understanding of the world as a set of related systems by recognising that problem-solving contexts do not exist in isolation.

Learning programmes directed towards this qualification will also contribute to the full personal development of each learner and the social and economic development of the society at large, by making individuals aware of the importance of:

- Reflecting on and exploring a variety of strategies to learn more effectively.
- Participating as responsible citizens in the life of local, national and global communities.
- Being culturally and aesthetically sensitive across a range of social contexts.
- Exploring education and career opportunities; and developing entrepreneurial opportunities.

**ASSOCIATED ASSESSMENT CRITERIA**

Associated Assessment Criteria for Exit Level Outcome 1:

- Transport operations are planned and controlled in compliance with current national and international legislation, regulations and codes as they apply to the movement of freight across boundaries and modes of transport.

Associated Assessment Criteria for Exit Level Outcome 2:

- Service level agreements are compiled with respect to roles and responsibilities, and realistic expectations.
- Communication systems are established and maintained so that customers have ready access to information regarding the progress and current position of their freight.
- Information sharing systems are set up to provide realistic and accurate updates on actions taken and revised expectations in the event of schedule or delivery problems.

Associated Assessment Criteria for Exit Level Outcome 3:

- Integrated transport operations are planned to reflect a total supply chain solution.
  - Range: A total supply chain solution includes but is not limited to risk in transport and provision, fleet capacity and agreements concluded with customers, realistic understanding of own capacity, operational costs and customer requirements.

- An infrastructure is designed to reflect detailed operational knowledge and experience of the key factors affecting the efficiency and cost effectiveness of transport operations.

Associated Assessment Criteria for Exit Level Outcome 4:

- Business proposals, and tariffs are set, being market related, consistent with ethical business principles, and realistic in terms of own capacity and the requirements of the assignment.
- Costs results are monitored and controlled in terms of the approved financial statements of the operation and its profitability.
- Transport economics is discussed with reference to factors impacting on the operation, and the dynamic interaction of transport operations with the national and international economy.

Integrated Assessment:

Assessment should take place within the context of:

- Given Quality Assurance policies, procedures and processes.
- A guided and supported learning environment.

Assessment will take place according to the detailed specifications indicated in the unit standards above.

Over and above the achievement of the specified unit standards, evidence of integration will be required as per the following broad criteria, all within the context of an active learning environment.

Assessors should note that the evidence of integration (as below) could well be presented by candidates when being assessed against the unit standards - thus there should not necessarily be separate assessments for each unit standard and then further assessment for integration. Well designed assessments should make it possible to gain evidence against each unit standard while at the same time gain evidence of integration.

Assessment principles:

Assessment should be in accordance with the following general and specific principles:

- The initial assessment activities should focus on gathering evidence in terms of the main outcomes expressed in the titles of the unit standards to ensure assessment is integrated rather than fragmented. Where assessment at title level is unmanageable, then the assessment can focus on each specific outcome, or groups of specific outcomes. Take special note of the need for integrated assessment.
- Evidence must be gathered across the entire range specified in each unit standard, as applicable. Assessment activities should be as close to the real performance as possible, and where simulations or role-plays are used, there should be supporting evidence to prove that the candidate is able to perform in the real situation.
- All assessments should be conducted in accordance with the following universally accepted principles of assessment:
  - Use appropriate, fair and manageable methods that are integrated into real work-related or learning situations.
  - Judge evidence on the basis of its validity, currency, authenticity and sufficiency.
  - Ensure assessment processes are systematic, open and consistent.

### **INTERNATIONAL COMPARABILITY**

Qualifications from the following countries were sourced for a comparison with:

- UK.
- USA.
- Singapore.
- Australia.
- New Zealand.

The Chartered Institute of Logistics and Transport (CILT) - International Diploma in Logistics and Transport was selected as the benchmark for transport qualifications due to its international recognition and credibility. Other UK qualifications of relevance include the undergraduate degree in Transport and Business Management - significant because of the close relationship between the first year of study and the proposed Level 5 qualification.

The USA was selected as a first world, world leader in transport logistics, and their GS-2130, a US Individual Occupational Requirement for Transport Operations - was reviewed.

Singapore has established itself as a multi-modal transport node for the East and it was logical to compare the proposed Level 5 qualification with their Diploma in Logistics & Operations Management.

Australia and New Zealand have set up a joint occupational classification system which has informed current Department of Labour deliberations around occupationally based qualifications. They are also world leaders in outcomes based approaches. The National Diploma in Road Transport Management shows marked similarities to the proposed Level 5 qualification.

Investigations into Africa showed that there was little formal development of transport operations qualifications in Africa, apart from South Africa. There are clear indications, though, that Africa is keen to cooperate on transport issues, as signaled by the African Maritime Transport Charter and the Sub-Saharan Africa Transport Policy Programme. A common approach to transport management training would facilitate such initiatives.

In more detail, the reviewed qualifications include:

UK and international - The Chartered Institute of Logistics and Transport - International Diploma in Logistics and Transport:

This qualification builds on knowledge gained from the CILT International Certificate course in Logistics and Transport. The Diploma is basically aimed at those already

working in the industry/sector at a middle management level and who wish to develop a strategic view of logistics and transport operations and be capable of reviewing operational activities.

Students who are successful in their Diploma studies meet the knowledge standards for Membership (MILT) of the Chartered Institute of Logistics and Transport subject to a minimum of 3 years experience in the logistics and transport sector.

CILT International have produced this course material for the use of education and training Institutes throughout the world but especially where CILT Sections and Branches have been or are being established. CILT International believe that one way to improve the efficiency and effectiveness of the logistics and transport sector especially in the developing world is to promote education and training and membership of the local CILT Section.

Course Content (All 6 modules are compulsory):

- A Managing Transport and Logistics operations.

- B Managing Resources.
- C Transport Economics and Finance.
- D Logistics and Supply Chain.
- E Inventory and Warehouse Management.
- F Passenger Transport.

#### UK - Transport and Business Management:

This qualification is included (although it is a degree qualification) because of the similarities in content, particularly in the initial years.

The programme equips learners with a thorough and practical knowledge of the economic, social and technological aspects of the main modes of transport, so that they will be able to play a part in their future development. It covers the principles of managing the human and technical resources required in transport systems and the importance of transport in relation to the economy and society. This is examined in terms of the numerous benefits and costs of transport in general and of the relative merits of the different modes of air and surface transport. The programme is multidisciplinary, embracing the fundamental principles and applications of planning, management, economics and technology.

#### Year 1:

Introduces the principles and problems of transport together with the analytical techniques required in subsequent parts of the programme. Students with a wide range of backgrounds and educational qualifications are brought to a comparable level.

Modules include: Management; Finance; Economics; Statistics; Surface Transport Systems; Logistics; Air Transport; Transport Demand and Human Need; French/German/Spanish or Transport Technology.

#### Year 2:

Elaborates on the fundamental subjects with more emphasis on practical application and investigates the characteristics of the various transport modes in some detail.

Modules include: Transport Planning; Business Strategy; Economics of Transport; Supply Chain Management; French/German/Spanish or Project Appraisal.

#### Year 3 or 4:

Allows learners to specialise in areas of personal interest including the choice of topic area for a final year project in the form of a detailed study and analysis of a transport problem and is intended to develop initiative and creativity. The findings are presented in the form of a dissertation.

Modules include: Project; Applied Research Methods; Options from: Aviation Safety; Transport and Environment; Transport Policy; Rail Transport Operations; Transport Services Marketing; Transport Demand Management; Travel Behaviour.

Professional Recognition: The programme is accredited by the Chartered Institute of Logistics and Transport.

#### USA - GS-2130: Traffic Management Series (Individual Occupational Requirements):

The GS-2130 is a US Individual Occupational Requirement for Transport Operations, and its provisions are outlined below. Examples of certificates which result in recognition for this classification are included below:

- Undergraduate and Graduate Education: traffic management, transportation.
- General Experience (for GS-5 positions): Experience that provided a general knowledge and understanding of traffic or transportation programs or operations.
- Specialized Experience (for positions above GS-5): Examples of qualifying specialized experience include:
  - (1) operating a transport or traffic system to move passengers or commodities of an organization when there is accountability for operating costs, (2) operating a transportation system to provide common carrier types of services to shippers, and (3) procuring common or other carriers and other transportation services to move an organization's personnel, freight, and/or other commodities. Performing loss and damage prevention work when this included responsibilities such as policy and procedures formulation and studies of traffic operations and services.
  - Negotiating with carriers and/or regulatory bodies on questions of rates, transit privileges and charges, special services and charges thereof, and classification of commodities.
  - Providing advisory service involving commodity analysis from the transportation standpoint.

Certificate:

Possession of a certificate as Certified Member, American Society of Transportation and Logistics meets the requirements for GS-5. Persons with such certificates may also qualify for higher grade levels based on their education and/or experience.

Certified in Transportation and Logistics (CTL):

AST&L is the premier professional organization that develops and administers the Certification in Transportation Logistics. AST&L began the CTL Certification Program in 1948, known as the CPA of the transportation/logistics industry, and is constantly revising and updating the certification exams, keeping current with changes occurring in the field. To qualify an individual must be active member of AST&L and has a four year undergraduate degree or three years of professional experience. The certification is granted to individuals who successfully complete six of the following exam modules:

Four compulsory subjects:

- General Management Principles & Techniques.
- Transportation Economics Management.
- Logistics Management.
- International Transport and Logistics.

Plus any two elective subjects from:

- › Creative Component.
- › Logistics Analysis.
- Supply Chain Management.
- Logistics and Supply Chain Strategy.

Certificate in Transportation Management:

- Course provider: University of Wisconsin-Madison Graduate School of Business.

Description:



- Transportation, Planning, Pricing and Costing Certificate.
- Foundation program for Shippers, Carriers and Logistics Services Providers (LSPs): Today's Buying, Selling and Pricing of Transportation Services.

Capstone program for Shippers and Foundation program for Shippers, Carriers and Logistics Services Providers (LSPs): Today's Buying, Selling and Pricing of Transportation Services.

Singapore - Diploma in Logistics & Operations Management:

Companies across all businesses are extending their geographical reach and influence. They need trained people who understand the nature of logistics & supply chain in an ever-connected world. The Diploma in Logistics and Operations Management trains professionals who will excel in today's dynamic business environment.

The Course provides a strong business foundation in the Freshman year. In the Junior and Senior years, learners will be equipped with business knowledge on how companies manage their physical products and services through subjects like Management Science, Management Accounting & Finance, Operations Management, Material Management, Quality Management and Purchasing Principles & Practice. Specialised knowledge on logistics will be introduced through subjects like Logistics & Supply Chain Management, Transport Management and Distribution Centre Management.

New Zealand - National Diploma in Road Transport Management:

The National Diploma in Road Transport Management recognises the skills expected of an experienced manager in a road transport company to manage some or all of the company's operations in full compliance with the law and organisational procedures.

The qualification is structured to provide maximum flexibility for people in small, medium or large size organisations in any sector of the road transport industry. Significant emphasis is placed on the management and interpersonal skills required of a manager of either a small organisation or at a senior level in a large organisation, as well as on the particular road transport knowledge required to operate a successful road transport business.

The diploma can build on the skills acquired through the National Certificate in Commercial Road Transport (Operations) with strands in Vehicle Despatch, Operations Supervision, and Taxi Operations [Ref: 0861], the National Certificate in First Line Management (Communication and Quality) (Level 3) [Ref: 0743], the National Certificate in First Line Management (Level 4) [Ref: 0649], or the National Certificate in Business Administration (Level 4) [Ref: 0634].

African Maritime Transport Charter:

There appears to be little formal development of transport operations qualifications in Africa, apart from South Africa, which takes the lead in this regard. The African Maritime Transport Charter, though, is one indication of the willingness and intention of Africa to homogenise transport throughout the continent, which suggests an openness to skills development in this area. Extracts from the Charter include:

Article 10: Multimodal Transport:

Member States agree to promote the establishment of multimodal transport joint ventures so as to enable African shipping lines set up within the framework of the U.N. Convention on International Multimodal Transport of Goods, modern systems of point-to-point transportation, improve their services and increase their capacity to finance modern and efficient fleet.

Article 13: Legal Framework:

Member States agree to set up enabling harmonized legislative and regulatory framework that shall promote and guarantee the stability of maritime transport joint ventures, particularly multimodal transport joint ventures.

Article 24: Co-ordination of Policies and Actions:

Transit Member States and Land-locked Member States agree to co-ordinate their policies of acquisition and use of means of land transport (road and rail), river, air, maritime transport and port. They also agree to co-ordinate the actions and instruments of implementation of their national maritime policies, those concerning, inter-alia, grouping, pooling and cargo sharing, operation of cargo handling equipment as well as clearing and forwarding of cargo in transit.

Sub-Saharan Africa Transport Policy Programme:

Another indication of a willingness to cooperate and transform transportation in Africa is suggested in the Sub-Saharan Africa Transport Policy Programme. An extract:

- "Anchoring" of transport policies and strategies into national strategies for poverty reduction is the strategic objective of the Sub-Saharan Africa Transport Policy Program (SSATP) long-term development plan (LTDP). In order to effectively link transport and poverty reduction policies and strategies so that transport makes a tangible and visible contribution to poverty reduction, SSATP set in motion a participatory review process to assist Sub-Saharan Africa (SSA) countries that wish to review their policies and strategies on poverty reduction and transport. This process was piloted in 2003 and scaled up from 2004. It involves a group of carefully selected country stakeholders undertaking a review of their national poverty reduction strategy and transport policy/strategy.

Conclusion:

It is evident that Transport Operations is considered an essential skills area in all economies, and the existence of international bodies coordinating skills development in this area are powerful arguments for transport specific qualifications.

The proposed National Certificate: Transport Operations (Level 5) is comparable to examples in most developed countries. The approach adopted by the SGB, though, recognises the need for transformation in emerging economies, and the need to 'step' development to provide access. Building as it does on the Level 4 qualification, the National Certificate: Transport Operations (Level 5) provides for learning and career pathways for those involved in transport operations. It will encourage the development of skills to internationally comparable standards, and provide leadership, for the development of transport in Africa.

### **ARTICULATION OPTIONS**

This qualification has horizontal articulation possibilities with the following qualifications:

- ID 57957: National Certificate: Export Administration, NQF Level 5.
- ID 49398: National Certificate: Incident Management, NQF Level 5.
- ID 58600: National Certificate: Land Transport Planning, NQF Level 5.
- ID 58330: National Certificate: Pipeline Operations, NQF Level 5.
- ID 58759: National Certificate: Ports and Harbours, NQF Level 5.
- ID 59201: National Certificate: Generic Management, NQF Level 5.
- ID 58473: National Diploma: Freight Handling Logistics, NQF Level 5.

This qualification has vertical articulation possibilities with the following qualification:

- ID 58601: National Certificate: Land Transport Planning, NQF Level 6.

### MODERATION OPTIONS

- Providers offering learning towards this qualification or the component unit standards must be accredited by the relevant ETQA.
- Moderation of assessment will be overseen by the relevant ETQA according to moderation principles and the agreed ETQA procedures.

### CRITERIA FOR THE REGISTRATION OF ASSESSORS

- Assessors must be registered in terms of the requirements of SAQA and the relevant ETQA.
- Assessors are assumed to have competence in transport operations equivalent to this qualification, or above.

### NOTES

N/A

### UNIT STANDARDS

	ID	UNIT STANDARD TITLE	LEVEL	CREDITS
Fundamental	117763	Prepare, verify and distribute reports	Level 5	16
Core	255801	Demonstrate an understanding of risk in a transport function	Level 5	5
Core	255794	Demonstrate an understanding of the economics of transport	Level 5	10
Core	255797	Determine, monitor and control transport operating costs	Level 5	10
Core	255805	Establish and maintain service level agreements in a transport function	Level 5	8
Core	255804	Establish tariffs in a transport function	Level 5	10
Core	255800	Implement risk mitigation and contingency plans in response to transport related incidents	Level 5	8
Core	255798	Maintain compliance with transport legislation	Level 5	6
Core	255802	Plan transport to meet contractual obligations and service level agreements	Level 5	12
Core	255795	Provide a supply chain visibility service to customers	Level 5	6
Core	255799	Provide design input to transport infrastructure	Level 5	8
Core	255796	Tender for business in the transport sector	Level 5	4
Core	255803	Integrate transport operations into total supply chain solutions	Level 6	8
Elective	14927	Apply problem solving strategies	Level 4	4
Elective	119676	Apply the skills of customer care in a specific work environment	Level 4	4
Elective	120127	Demonstrate knowledge and understanding of issues of compliance or non-activity that could result in civil or criminal liability in terms of business law	Level 4	2
Elective	242685	Demonstrate knowledge of environmental legislation as it impacts on management of risk	Level 4	6
Elective	110000	Generate information and reports for internal and external use	Level 4	10
Elective	242819	Motivate and Build a Team	Level 4	10
Elective	114272	Analyse complaints and reports relating to referred disputes and select appropriate resolution process	Level 5	10
Elective	15234	Apply efficient time management to the work of a department/division/section	Level 5	4
Elective	252037	Build teams to achieve goals and objectives	Level 5	6
Elective	15219	Develop and implement a strategy and action plans for a team, department or division	Level 5	4
Elective	15224	Empower team members through recognising strengths, encouraging participation in decision making and delegating tasks	Level 5	4
Elective	252024	Evaluate current practices against best practice	Level 5	4
Elective	15225	Identify and interpret related legislation and its impact on the team, department or division and ensure compliance	Level 5	4

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	<b>ID</b>	<b>UNIT STANDARD TITLE</b>	<b>LEVEL</b>	<b>CREDITS</b>
Elective	15229	Implement codes of conduct in the team, department or division	Level 5	3
Elective	252034	Monitor and evaluate team members against performance standards	Level 5	8

**LEARNING PROGRAMMES RECORDED AGAINST THIS QUALIFICATION****None**



## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

**UNIT STANDARD:*****Demonstrate an understanding of the economics of transport***

<b>SAQA US ID</b>	<b>UNIT STANDARD TITLE</b>		
255794	Demonstrate an understanding of the economics of transport		
<b>ORIGINATOR</b>	<b>PROVIDER</b>		
SGB Transport and Logistics Operations			
<b>FIELD</b>	<b>SUBFIELD</b>		
11 - Services	Transport, Operations and Logistics		
<b>ABET BAND</b>	<b>UNIT STANDARD TYPE</b>	<b>NQF LEVEL</b>	<b>CREDITS</b>
Undefined	Regular	Level 5	10

***This unit standard does not replace any other unit standard and is not replaced by another unit standard.***

**SPECIFIC OUTCOME 1**

Demonstrate an understanding of transport in the national economy.

**SPECIFIC OUTCOME 2**

Demonstrate an understanding of the economics of multi-modal transport.

**SPECIFIC OUTCOME 3**

Demonstrate an understanding of demand and supply elasticity.

**SPECIFIC OUTCOME 4**

Demonstrate an understanding of fleet utilisation as it relates to transport economics.

**SPECIFIC OUTCOME 5**

Demonstrate an understanding of maintenance in transport economics.

**QUALIFICATIONS UTILISING THIS UNIT STANDARD**

	<b>ID</b>	<b>QUALIFICATION TITLE</b>	<b>LEVEL</b>
Core	61489	National Certificate: Transport Operations	Level 5



## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

**UNIT STANDARD:***Provide a supply chain visibility service to customers*

<b>SAQA US ID</b>	<b>UNIT STANDARD TITLE</b>		
255795	Provide a supply chain visibility service to customers		
<b>ORIGINATOR</b>		<b>PROVIDER</b>	
SGB Transport and Logistics Operations			
<b>FIELD</b>		<b>SUBFIELD</b>	
11 - Services		Transport, Operations and Logistics	
<b>ABET BAND</b>	<b>UNIT STANDARD TYPE</b>	<b>NQF LEVEL</b>	<b>CREDITS</b>
Undefined	Regular	Level 5	6

*This unit standard does not replace any other unit standard and is not replaced by another unit standard.*

**SPECIFIC OUTCOME 1**

Analyse data networks and determine information and information system requirements.

**SPECIFIC OUTCOME 2**

Establish systems to support supply chain visibility.

**SPECIFIC OUTCOME 3**

Provide a supply chain visibility service.

**SPECIFIC OUTCOME 4**

Review the effectiveness of communications and information sharing processes.

**QUALIFICATIONS UTILISING THIS UNIT STANDARD**

	<b>ID</b>	<b>QUALIFICATION TITLE</b>	<b>LEVEL</b>
Core	61489	National Certificate: Transport Operations	Level 5



## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

**UNIT STANDARD:*****Tender for business in the transport sector***

<b>SAQA US ID</b>	<b>UNIT STANDARD TITLE</b>		
255796	Tender for business in the transport sector		
<b>ORIGINATOR</b>	<b>PROVIDER</b>		
SGB Transport and Logistics Operations			
<b>FIELD</b>	<b>SUBFIELD</b>		
11 - Services	Transport, Operations and Logistics		
<b>ABET BAND</b>	<b>UNIT STANDARD TYPE</b>	<b>NQF LEVEL</b>	<b>CREDITS</b>
Undefined	Regular	Level 5	4

***This unit standard does not replace any other unit standard and is not replaced by another unit standard.***

**SPECIFIC OUTCOME 1**

Investigate a business opportunity in the transport sector.

**SPECIFIC OUTCOME 2**

Compile the tender document.

**SPECIFIC OUTCOME 3**

Complete and submit tender documentation.

**SPECIFIC OUTCOME 4**

Review and update the tender process.

**QUALIFICATIONS UTILISING THIS UNIT STANDARD**

	<b>ID</b>	<b>QUALIFICATION TITLE</b>	<b>LEVEL</b>
Core	61489	National Certificate: Transport Operations	Level 5



## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

**UNIT STANDARD:*****Determine, monitor and control transport operating costs***

<b>SAQA US ID</b>	<b>UNIT STANDARD TITLE</b>		
255797	Determine, monitor and control transport operating costs		
<b>ORIGINATOR</b>		<b>PROVIDER</b>	
SGB Transport and Logistics Operations			
<b>FIELD</b>		<b>SUBFIELD</b>	
11 - Services		Transport, Operations and Logistics	
<b>ABET BAND</b>	<b>UNIT STANDARD TYPE</b>	<b>NQF LEVEL</b>	<b>CREDITS</b>
Undefined	Regular	Level 5	10

***This unit standard does not replace any other unit standard and is not replaced by another unit standard.***

**SPECIFIC OUTCOME 1**

Gather information on transport operating costs.

**SPECIFIC OUTCOME 2**

Analyse transport operating costs.

**SPECIFIC OUTCOME 3**

Implement preventative measures to control operating costs.

**SPECIFIC OUTCOME 4**

Contribute to vehicle procurement decisions.

**QUALIFICATIONS UTILISING THIS UNIT STANDARD**

	<b>ID</b>	<b>QUALIFICATION TITLE</b>	<b>LEVEL</b>
Core	61489	National Certificate: Transport Operations	Level 5





## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

**UNIT STANDARD:*****Maintain compliance with transport legislation***

<b>SAQA US ID</b>	<b>UNIT STANDARD TITLE</b>		
255798	Maintain compliance with transport legislation		
<b>ORIGINATOR</b>		<b>PROVIDER</b>	
SGB Transport and Logistics Operations			
<b>FIELD</b>		<b>SUBFIELD</b>	
11 - Services		Transport, Operations and Logistics	
<b>ABET BAND</b>	<b>UNIT STANDARD TYPE</b>	<b>NQF LEVEL</b>	<b>CREDITS</b>
Undefined	Regular	Level 5	6

***This unit standard does not replace any other unit standard and is not replaced by another unit standard.***

**SPECIFIC OUTCOME 1**

Demonstrate knowledge of transport related legislation.

**SPECIFIC OUTCOME 2**

Demonstrate an understanding of ethical considerations in the provision of transport services.

**SPECIFIC OUTCOME 3**

Ensure compliance with legislation in a transport operation.

**QUALIFICATIONS UTILISING THIS UNIT STANDARD**

	<b>ID</b>	<b>QUALIFICATION TITLE</b>	<b>LEVEL</b>
Core	61489	National Certificate: Transport Operations	Level 5



## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

**UNIT STANDARD:*****Provide design input to transport infrastructure***

<b>SAQA US ID</b>	<b>UNIT STANDARD TITLE</b>		
255799	Provide design input to transport infrastructure		
<b>ORIGINATOR</b>		<b>PROVIDER</b>	
SGB Transport and Logistics Operations			
<b>FIELD</b>		<b>SUBFIELD</b>	
11 - Services		Transport, Operations and Logistics	
<b>ABET BAND</b>	<b>UNIT STANDARD TYPE</b>	<b>NQF LEVEL</b>	<b>CREDITS</b>
Undefined	Regular	Level 5	8

***This unit standard does not replace any other unit standard and is not replaced by another unit standard.***

**SPECIFIC OUTCOME 1**

Demonstrate an understanding of legislation governing transport infrastructure for a particular mode of transport.

**SPECIFIC OUTCOME 2**

Determine needs from an operational perspective.

**SPECIFIC OUTCOME 3**

Provide input to infrastructure design.

**SPECIFIC OUTCOME 4**

Evaluate transport infrastructure from a design perspective.

**QUALIFICATIONS UTILISING THIS UNIT STANDARD**

	<b>ID</b>	<b>QUALIFICATION TITLE</b>	<b>LEVEL</b>
Core	61489	National Certificate: Transport Operations	Level 5



## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

**UNIT STANDARD:*****Implement risk mitigation and contingency plans in response to transport related incidents***

<b>SAQA US ID</b>	<b>UNIT STANDARD TITLE</b>		
255800	Implement risk mitigation and contingency plans in response to transport related incidents		
<b>ORIGINATOR</b>		<b>PROVIDER</b>	
SGB Transport and Logistics Operations			
<b>FIELD</b>		<b>SUBFIELD</b>	
11 - Services		Transport, Operations and Logistics	
<b>ABET BAND</b>	<b>UNIT STANDARD TYPE</b>	<b>NQF LEVEL</b>	<b>CREDITS</b>
Undefined	Regular	Level 5	8

***This unit standard does not replace any other unit standard and is not replaced by another unit standard.***

**SPECIFIC OUTCOME 1**

Implement general risk mitigation plans and procedures.

**SPECIFIC OUTCOME 2**

Manage risk for a specific incident in terms of current legislation.

**SPECIFIC OUTCOME 3**

Plan and implement third party service agreements.

**SPECIFIC OUTCOME 4**

Implement contingency plans in a transport operation.

**QUALIFICATIONS UTILISING THIS UNIT STANDARD**

	<b>ID</b>	<b>QUALIFICATION TITLE</b>	<b>LEVEL</b>
Core	61489	National Certificate: Transport Operations	Level 5



## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

**UNIT STANDARD:*****Demonstrate an understanding of risk in a transport function***

<b>SAQA US ID</b>	<b>UNIT STANDARD TITLE</b>		
255801	Demonstrate an understanding of risk in a transport function		
<b>ORIGINATOR</b>		<b>PROVIDER</b>	
SGB Transport and Logistics Operations			
<b>FIELD</b>		<b>SUBFIELD</b>	
11 - Services		Transport, Operations and Logistics	
<b>ABET BAND</b>	<b>UNIT STANDARD TYPE</b>	<b>NQF LEVEL</b>	<b>CREDITS</b>
Undefined	Regular	Level 5	5

***This unit standard does not replace any other unit standard and is not replaced by another unit standard.***

**SPECIFIC OUTCOME 1**

Identify and classify risk in a transport function.

**SPECIFIC OUTCOME 2**

Demonstrate understanding of the management of risk for a specific incident.

**SPECIFIC OUTCOME 3**

Plan for contingencies in a transport operation.

**SPECIFIC OUTCOME 4**

Demonstrate an understanding of the requirements for an environmentally friendly transport operation.

**QUALIFICATIONS UTILISING THIS UNIT STANDARD**

	<b>ID</b>	<b>QUALIFICATION TITLE</b>	<b>LEVEL</b>
Core	61489	National Certificate: Transport Operations	Level 5



## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

**UNIT STANDARD:*****Plan transport to meet contractual obligations and service level agreements***

<b>SAQA US ID</b>	<b>UNIT STANDARD TITLE</b>		
255802	Plan transport to meet contractual obligations and service level agreements		
<b>ORIGINATOR</b>	<b>PROVIDER</b>		
SGB Transport and Logistics Operations			
<b>FIELD</b>	<b>SUBFIELD</b>		
11 - Services	Transport, Operations and Logistics		
<b>ABET BAND</b>	<b>UNIT STANDARD TYPE</b>	<b>NQF LEVEL</b>	<b>CREDITS</b>
Undefined	Regular	Level 5	12

***This unit standard does not replace any other unit standard and is not replaced by another unit standard.***

**SPECIFIC OUTCOME 1**

Determine requirements from service level agreements.

**SPECIFIC OUTCOME 2**

Plan routes and schedule transport.

**SPECIFIC OUTCOME 3**

Plan loads to meet service obligations.

**SPECIFIC OUTCOME 4**

Review and report on service delivery.

**QUALIFICATIONS UTILISING THIS UNIT STANDARD**

	<b>ID</b>	<b>QUALIFICATION TITLE</b>	<b>LEVEL</b>
Core	61489	National Certificate: Transport Operations	Level 5



## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

**UNIT STANDARD:*****Integrate transport operations into total supply chain solutions***

<b>SAQA US ID</b>	<b>UNIT STANDARD TITLE</b>		
255803	Integrate transport operations into total supply chain solutions		
<b>ORIGINATOR</b>		<b>PROVIDER</b>	
SGB Transport and Logistics Operations			
<b>FIELD</b>		<b>SUBFIELD</b>	
11 - Services		Transport, Operations and Logistics	
<b>ABET BAND</b>	<b>UNIT STANDARD TYPE</b>	<b>NQF LEVEL</b>	<b>CREDITS</b>
Undefined	Regular	Level 6	8

***This unit standard does not replace any other unit standard and is not replaced by another unit standard.***

**SPECIFIC OUTCOME 1**

Demonstrate understanding of key supply chain concepts.

**SPECIFIC OUTCOME 2**

Analyse consignments in preparation for transportation.

**SPECIFIC OUTCOME 3**

Determine carrier and route requirements.

**SPECIFIC OUTCOME 4**

Provide an integrated transport solution.

**QUALIFICATIONS UTILISING THIS UNIT STANDARD**

	<b>ID</b>	<b>QUALIFICATION TITLE</b>	<b>LEVEL</b>
Core	61489	National Certificate: Transport Operations	Level 5



## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

**UNIT STANDARD:*****Establish tariffs in a transport function***

<b>SAQA US ID</b>	<b>UNIT STANDARD TITLE</b>		
255804	Establish tariffs in a transport function		
<b>ORIGINATOR</b>		<b>PROVIDER</b>	
SGB Transport and Logistics Operations			
<b>FIELD</b>		<b>SUBFIELD</b>	
11 - Services		Transport, Operations and Logistics	
<b>ABET BAND</b>	<b>UNIT STANDARD TYPE</b>	<b>NQF LEVEL</b>	<b>CREDITS</b>
Undefined	Regular	Level 5	10

***This unit standard does not replace any other unit standard and is not replaced by another unit standard.***

**SPECIFIC OUTCOME 1**

Access and analyse financial information as a basis for tariff setting.

**SPECIFIC OUTCOME 2**

Investigate the market and demand elasticity.

**SPECIFIC OUTCOME 3**

Determine costs and set tariffs.

**SPECIFIC OUTCOME 4**

Monitor and review the costing process and tariff structures.

**QUALIFICATIONS UTILISING THIS UNIT STANDARD**

	<b>ID</b>	<b>QUALIFICATION TITLE</b>	<b>LEVEL</b>
Core	61489	National Certificate: Transport Operations	Level 5



## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

**UNIT STANDARD:*****Establish and maintain service level agreements in a transport function***

<b>SAQA US ID</b>	<b>UNIT STANDARD TITLE</b>		
255805	Establish and maintain service level agreements in a transport function		
<b>ORIGINATOR</b>			<b>PROVIDER</b>
SGB Transport and Logistics Operations			
<b>FIELD</b>			<b>SUBFIELD</b>
11 - Services			Transport, Operations and Logistics
<b>ABET BAND</b>	<b>UNIT STANDARD TYPE</b>	<b>NQF LEVEL</b>	<b>CREDITS</b>
Undefined	Regular	Level 5	8

***This unit standard does not replace any other unit standard and is not replaced by another unit standard.***

**SPECIFIC OUTCOME 1**

Establish and maintain customer relationships.

**SPECIFIC OUTCOME 2**

Provide input into service level agreements.

**SPECIFIC OUTCOME 3**

Maintain agreed service levels.

**SPECIFIC OUTCOME 4**

Solve service related problems.

**QUALIFICATIONS UTILISING THIS UNIT STANDARD**

	<b>ID</b>	<b>QUALIFICATION TITLE</b>	<b>LEVEL</b>
Core	61489	National Certificate: Transport Operations	Level 5