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**SOUTH AFRICAN QUALIFICATIONS AUTHORITY  
REGISTERED UNIT STANDARD:**

**Operate advanced defined purpose lift trucks**

SAQA US ID	UNIT STANDARD TITLE			
242972	Operate advanced defined purpose lift trucks			
<b>ORIGINATOR</b>				
SGB Transport and Logistics Operations				
<b>QUALITY ASSURING BODY</b>				
-				
<b>FIELD</b>			<b>SUBFIELD</b>	
Field 11 - Services			Transport, Operations and Logistics	
<b>ABET BAND</b>	<b>UNIT STANDARD TYPE</b>	<b>PRE-2009 NQF LEVEL</b>	<b>NQF LEVEL</b>	<b>CREDITS</b>
Undefined	Regular	Level 3	NQF Level 03	7
<b>REGISTRATION STATUS</b>		<b>REGISTRATION START DATE</b>	<b>REGISTRATION END DATE</b>	<b>SAQA DECISION NUMBER</b>
Reregistered		2015-07-01	2018-06-30	SAQA 10105/14
<b>LAST DATE FOR ENROLMENT</b>		<b>LAST DATE FOR ACHIEVEMENT</b>		
2019-06-30		2022-06-30		

*In all of the tables in this document, both the pre-2009 NQF Level and the NQF Level is shown. In the text (purpose statements, qualification rules, etc), any references to NQF Levels are to the pre-2009 levels unless specifically stated otherwise.*

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

**PURPOSE OF THE UNIT STANDARD**

The person credited with this unit standard is able to operate a battery operated defined purpose lift truck. They are able to access emergency support and services in the case of an emergency while operating a lift truck. The person is also able to identify and classify the load, handle and move the freight while operating the lifting equipment in accordance with standards and its performance capabilities. They are also able to monitor the fitness of the lift truck.

The qualifying learner is capable of:

- Accessing available emergency support systems and services in case of incidents and accidents.
- Identifying and classifying freight/loads.

- Handling, loading and storing freight.
- Achieving maximum work performance of battery powered lifting equipment and attachments.
- Operating equipment.

### **LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING**

It is assumed that learners accessing this unit standard are competent in:

- Communication at NQF Level 2 or equivalent.
- Mathematical Literacy at NQF Level 2 or equivalent.

### **UNIT STANDARD RANGE**

The applied competence expressed in this standard may be demonstrated across a range of lifting trucks (capacity, functionality) involved in familiar operational functions in any industry context, and in any environmental conditions.

Lift Truck shall include:

- F5: Reach Lift truck up to rated capacity of 2500kg.
- F8: Order Picking lift truck - for first and second level racking (Narrow aisle/wide aisle) (NA/WA).
- F9: Order Picking lift truck - for all level racking including high rise (NA/WA).
- F13: VNA (Very narrow aisle) lift truck, non-elevating cab, to service all levels.
- F14: VNA lift truck, elevating cab, to service all levels.
- F15: Rail mounted stacker lift truck with non-elevating cab.
- F16: Rail mounted stacker lift truck with elevating cab.

Attachments and special equipment shall include:

- A: Side Shift.
- B: Single pole.
- C: Carton or paper roll clamp.
- D: Crane Hook.
- E: Push Pull/Slip sheet equipment.
- F: Load Rotator.
- G: Wire Guidance system.
- H: Load Extender Pantograph.
- I: Rotating Mast (Turret Truck).
- J: Tilting Bucket.
- K: Tandem Forks.
- L: Container Vanning and Devanning.
- M: Container Handling.
- N: Forks.
- O: Cradle (Safety Cage).

The above codes and attachments correspond with the SA National Code of Practice.

## **Specific Outcomes and Assessment Criteria:**

### **SPECIFIC OUTCOME 1**

Access available emergency support systems and services in case of incidents and accidents.

#### **ASSESSMENT CRITERIA**

#### **ASSESSMENT CRITERION 1**

A range of support that may be accessed are identified according to emergency support systems.

#### **ASSESSMENT CRITERION 2**

The most appropriate course of action is identified in relation to potential hazards in the working environment.

#### **ASSESSMENT CRITERION 3**

The evacuation process is explained according to organisational evacuation procedures.

#### **ASSESSMENT CRITERION 4**

Emergency escape procedures (via abseil) are demonstrated in accordance with safety standards and procedures.

**SPECIFIC OUTCOME 2**

Identify and classify freight/loads.

**ASSESSMENT CRITERIA****ASSESSMENT CRITERION 1**

A minimum of five different categories of freight/loads are identified and explained with examples.

**ASSESSMENT CRITERION 2**

Common freight codes, from a handling perspective, are classified together and described with examples.

**SPECIFIC OUTCOME 3**

Handle, load and store freight.

**ASSESSMENT CRITERIA****ASSESSMENT CRITERION 1**

Specific handling methods and attachments are identified and their uses according to particular commodities/freight are described.

**ASSESSMENT CRITERION 2**

The reasons for selecting a particular piece of lifting equipment are explained according to a particular type of freight.

**ASSESSMENT CRITERION 3**

The specific selection of storage facilities for different freight types are explained according to organisational storage procedures.

**ASSESSMENT CRITERION RANGE**

Different freight types include but are not limited to dangerous goods, perishables, foodstuffs, break-bulk, liquids.

**SPECIFIC OUTCOME 4**

Achieve maximum work performance of battery powered lifting equipment and attachments.

**ASSESSMENT CRITERIA****ASSESSMENT CRITERION 1**

The operating functions of the particular lift truck relevant for the job environment, and different environmental conditions and freight types are identified and explained with examples.

**ASSESSMENT CRITERION 2**

Work performance of the equipment is evaluated against operating guidelines.

**ASSESSMENT CRITERION 3**

Mechanical appreciation of the lifting equipment and attachments is described with examples.

**ASSESSMENT CRITERION 4**

Lifting equipment is operated in accordance with manufacturers guidelines.

**SPECIFIC OUTCOME 5**

Operate equipment.

**OUTCOME RANGE**

Operating includes the actual checking, operating, shutting down and parking of the lift truck, including load movement indicators and automatic guidance systems.

**ASSESSMENT CRITERIA****ASSESSMENT CRITERION 1**

The operating functions of the particular lift truck relevant for the work environment, and different environmental conditions and freight types are explained according to organisational operating functions.

**ASSESSMENT CRITERION 2**

The effect of the environment and equipment constraints are identified according to safe operating procedures and practices.

**ASSESSMENT CRITERION 3**

Corrective actions required to prevent dangerous situations arising are explained and implemented according to organisational policies and procedures.

**ASSESSMENT CRITERION RANGE**

Dangerous situation could include but are not limited to: weather, lighting conditions, poor visibility.

#### **ASSESSMENT CRITERION 4**

Operational fitness of battery operated lift truck is evaluated in accordance with lift truck service specifications.

#### **UNIT STANDARD ACCREDITATION AND MODERATION OPTIONS**

- An individual wishing to be assessed (including through RPL) against this unit standard may apply to an assessment agency, assessor or provider institution accredited by the relevant ETQA.
- Anyone assessing a learner against this unit standard must be registered as an assessor with the relevant ETQA.
- Any institution offering learning that will enable achievement of this unit standard or assessing this unit standard must be accredited as a provider with the relevant ETQA.
- Moderation of assessment will be conducted by the relevant ETQA at its discretion.

#### **UNIT STANDARD ESSENTIAL EMBEDDED KNOWLEDGE**

The following embedded knowledge is addressed in an integrated way in the unit standard:

- Occupational Health and Safety Act; Driven Machinery regulations; environment; operating method; packaging, labelling, and personal protective equipment.
- National Road Traffic Act where public roads are used.
- The relevant attachments applicable to handling various categories of freight.
- Basic mechanical appreciation.
- Equipment dimensions/capacity and controls in relation to safety and maximum work performance.
- Product handling and storage principles and specifications.
- Available support systems and emergency care services.
- The different makes (manufacturers) and codes of lift trucks in the market.

#### **UNIT STANDARD DEVELOPMENTAL OUTCOME**

N/A

#### **UNIT STANDARD LINKAGES**

N/A

### **Critical Cross-field Outcomes (CCFO):**

#### **UNIT STANDARD CCFO IDENTIFYING**

Identify and solve problems in the case of damaged packaging/labelling.

#### **UNIT STANDARD CCFO WORKING**

Work efficiently with others and in teams by demonstrating initiative in selecting the most appropriate means of communication with work colleagues to facilitate efficient and safe freight handling.

#### **UNIT STANDARD CCFO ORGANISING**

Manage and organise oneself by continually evaluating whether maximum work performance of lifting equipment was achieved given the operating conditions, and based on this, gain improved work performance consistently.

#### **UNIT STANDARD CCFO DEMONSTRATING**

- Demonstrate initiative in selecting the most appropriate gear and equipment dependent on lift truck codes, freight characteristics and environmental conditions.
- Demonstrate the world as a set of related systems by understanding the impact of safe working practices on people safety, the environment and cost effective business operations.

#### **UNIT STANDARD ASSESSOR CRITERIA**

N/A

#### **REREGISTRATION HISTORY**

As per the SAQA Board decision/s at that time, this unit standard was Reregistered in 2012; 2015.

#### **UNIT STANDARD NOTES**

Definitions:

- "Lift truck" shall mean any defined purpose lift truck.
- "Cradle" shall mean a platform enclosed on all sides but open in top, designed for the purpose of raising and bringing down persons by means of a lifting machine.
- "Freight" is any commodity, loose, bulk form or packaged, dealt with in any quantity; refers to cargo, materials,

baggage, goods, stock, merchandise or inventory.

**QUALIFICATIONS UTILISING THIS UNIT STANDARD:**

	<b>ID</b>	<b>QUALIFICATION TITLE</b>	<b>PRE-2009 NQF LEVEL</b>	<b>NQF LEVEL</b>	<b>STATUS</b>	<b>END DATE</b>	<b>QUALITY ASSURING BODY</b>
Elective	<a href="#">48794</a>	National Certificate in Quality Checking of Tyres and Tyre Components	Level 3	NQF Level 03	Reregistered	2018-06-30	MERSETA
Elective	<a href="#">71989</a>	National Certificate: Automotive Components: Manufacturing and Assembly	Level 3	NQF Level 03	Reregistered	2018-06-30	MERSETA
Elective	<a href="#">58862</a>	National Certificate: Electro-Mechanical Winding	Level 3	NQF Level 03	Reregistered	2018-06-30	MERSETA
Elective	<a href="#">58720</a>	National Certificate: Engineering Fabrication	Level 3	NQF Level 03	Reregistered	2018-06-30	As per Learning Programmes recorded against this Qual
Elective	<a href="#">64829</a>	National Certificate: Lifting Machine Operations	Level 3	NQF Level 03	Reregistered	2018-06-30	TETA
Elective	<a href="#">23255</a>	National Certificate: Mechanical Engineering: Fitting and Machining	Level 3	NQF Level 03	Reregistered	2018-06-30	MERSETA
Elective	<a href="#">91926</a>	National Certificate: Mechanical Engineering: Machining and Tooling	Level 3	NQF Level 03	Reregistered	2018-06-30	As per Learning Programmes recorded against this Qual
Elective	<a href="#">67609</a>	National Certificate: Mechatronics	Level 3	NQF Level 03	Reregistered	2018-06-30	MERSETA
Elective	<a href="#">79666</a>	National Certificate: Metal and Engineering Manufacturing Processes	Level 3	NQF Level 03	Reregistered	2018-06-30	MERSETA
Elective	<a href="#">64190</a>	National Certificate: Metals Production	Level 3	NQF Level 03	Reregistered	2018-06-30	As per Learning Programmes recorded against this Qual
Elective	<a href="#">49449</a>	National Certificate: Plastics Manufacturing	Level 3	NQF Level 03	Reregistered	2018-06-30	MERSETA
Elective	<a href="#">36155</a>	National Certificate: Polymer Composite Fabrication	Level 3	NQF Level 03	Reregistered	2018-06-30	MERSETA
Elective	<a href="#">79407</a>	National Certificate: Polymer Compound Manufacturing	Level 3	NQF Level 03	Reregistered	2018-06-30	MERSETA
Elective	<a href="#">21012</a>	National Certificate: Power and Telecommunication Cable Manufacturing	Level 3	NQF Level 03	Reregistered	2018-06-30	MERSETA
Elective	<a href="#">24217</a>	National Certificate: Thermoplastic Fabrication	Level 3	NQF Level 03	Reregistered	2018-06-30	MERSETA
Elective	<a href="#">48798</a>	National Certificate: Tyre and Tyre	Level 3	NQF Level 03	Reregistered	2018-06-30	MERSETA

		Component Manufacturing					
Elective	<a href="#">48795</a>	National Certificate: Tyre Assembly	Level 3	NQF Level 03	Reregistered	2018-06-30	MERSETA
Elective	<a href="#">57886</a>	National Certificate: Welding Application and Practice	Level 3	NQF Level 03	Reregistered	2018-06-30	As per Learning Programmes recorded against this Qual

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