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

Convey dangerous goods by road

SAQA US ID	UNIT STANDARD TITLE			
123259	Convey dangerous goods by road			
ORIGINATOR				
SGB Transport and Logistics Operations				
PRIMARY OR DELEGATED QUALITY ASSURANCE FUNCTIONARY				
-				
FIELD			SUBFIELD	
Field 11 - Services			Transport, Operations and Logistics	
ABET BAND	UNIT STANDARD TYPE	PRE-2009 NQF LEVEL	NQF LEVEL	CREDITS
Undefined	Regular	Level 3	NQF Level 03	4
REGISTRATION STATUS		REGISTRATION START DATE	REGISTRATION END DATE	SAQA DECISION NUMBER
Reregistered		2018-07-01	2023-06-30	SAQA 06120/18
LAST DATE FOR ENROLMENT		LAST DATE FOR ACHIEVEMENT		
2024-06-30		2027-06-30		

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 replaces:

US ID	Unit Standard Title	Pre-2009 NQF Level	NQF Level	Credits	Replacement Status
10230	Convey dangerous goods by road	Level 4	NQF Level 04	8	

PURPOSE OF THE UNIT STANDARD

The purpose of learning is to ensure safe loading, conveying and off-loading of dangerous goods according to legal and organisational requirements. Credited learners can convey dangerous goods in accordance with legal, safety, manufacturer and other relevant requirements and handle incidents safely when they occur.

Credited learners are capable of:

- Complying with relevant legal documentation requirements.
- Applying safety and standard operating procedures during loading and off-loading.
- Applying safety procedures in the event of an incident.
- Complying with the requirements of SANS 10231 in terms of behaviour on route.

LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

It is assumed that learners have already attained NQF Level 2 Mathematical Literacy and Communication competence.

UNIT STANDARD RANGE

The learner should prove competence relevant for all nine class of substances.

Specific Outcomes and Assessment Criteria:

SPECIFIC OUTCOME 1

Comply with relevant legal documentation requirements.

ASSESSMENT CRITERIA

ASSESSMENT CRITERION 1

Legal concepts are defined and their responsibilities explained in terms of the National Road Traffic Act 93 of 1996.

ASSESSMENT CRITERION RANGE

Legal concepts include:

- Consignee.
- Consignor.
- Operator.
- Qualified Person.

ASSESSMENT CRITERION 2

The meaning and function of each component on warning signs and documents are explained, in terms of SANS 10232 Part 1.

ASSESSMENT CRITERION RANGE

Warning signs and documents include:

- Warning panel.
- Danger Warning Diamond.
- Tremcard/Treccard.
- Dangerous Goods Declaration.

ASSESSMENT CRITERION 3

Danger warning placards, specific to the substance loaded on the vehicle, are checked for correct fitting on the vehicle.

ASSESSMENT CRITERION 4

All relevant statutory documents are carried and placed in the designated space.

ASSESSMENT CRITERION RANGE

Statutory documents include, for example, Regulation 281 of the National Road Traffic Act.

SPECIFIC OUTCOME 2

Apply safety and standard operating procedures during loading and off-loading in terms of SANS 10231.

ASSESSMENT CRITERIA

ASSESSMENT CRITERION 1

Information is extracted from relevant sources and utilised to ensure safe handling of classified goods and substances.

ASSESSMENT CRITERION 2

Duties of the driver before proceeding on route, in terms of SANS 10231, are adhered to at all times.

ASSESSMENT CRITERION 3

Standard Operating Procedures (relating to the class of substance/goods and related equipment) are adhered to in order to prepare the vehicle for loading and off-loading.

ASSESSMENT CRITERION 4

Personal Protective equipment, suitable to the class of substance, is worn during loading and off-loading.

ASSESSMENT CRITERION 5

Safety equipment and procedures suitable to the class of substance, is used during loading and off-loading.

ASSESSMENT CRITERION 6

The nine hazard classes are listed and the properties of the class of substance transported are explained.

ASSESSMENT CRITERION 7

The concept of compatibility is explained as it relates to dangerous goods.

SPECIFIC OUTCOME 3

Apply safety procedures in the event of an incident.

ASSESSMENT CRITERIA**ASSESSMENT CRITERION 1**

Information is extracted from the tremcard/treccard or other relevant source/s and utilised to implement the appropriate response in the event of an incident.

ASSESSMENT CRITERION 2

The correct fire extinguishing equipment is utilised in the event of an incident.

ASSESSMENT CRITERION 3

Personal protective equipment suitable to the class of substance is worn in the event of an incident.

ASSESSMENT CRITERION 4

Safety equipment suitable to the class of substance is used in the event of an incident.

ASSESSMENT CRITERION 5

Incidents are reported according to the requirements of SANS 10231.

SPECIFIC OUTCOME 4

Comply with the requirements of SANS 10231 in terms of behaviour on route.

ASSESSMENT CRITERIA**ASSESSMENT CRITERION 1**

Driving style is adopted in order to maintain load quality and avoid incidents during transportation.

ASSESSMENT CRITERION 2

Duties on route in terms of SANS 10231 are adhered to at all times.

UNIT STANDARD ACCREDITATION AND MODERATION OPTIONS

- Assessment of learner achievements takes place at providers accredited by the relevant ETQA (RSA, 1998b) for the provision of programs that result in the outcomes specified for this unit standard.
- 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 must be accredited as a provider with the relevant ETQA.
- The relevant ETQA according to the moderation guidelines and the agreed ETQA procedures will oversee moderation of assessment and is responsible for moderation of learner achievements of learners who meet the requirements of this unit standard.

UNIT STANDARD ESSENTIAL EMBEDDED KNOWLEDGE

Credited learners understand and can explain:

- National Road Traffic Act 93 of 1996, Chapter VIII, pertaining to the transportation of Dangerous Goods.
- The following SANS codes, pertaining to the transportation of Dangerous Goods and the duties/responsibilities of the driver:
 - > SANS 10231.
 - > SANS 10231 part 1.
- Documents to be carried by the driver and/or placed in the designated space.
- Document procedures for substances to be loaded and after off-loading.
- Nine hazard classes and the warning diamonds.
- Properties/hazards of the class of substance transported.
- Loading and off-loading procedures for the class of substances transported, bulk and packaged goods.
- Concept of compatibility.
- Meaning and function of each component on the Warning Panel; Danger Warning Diamond; Tremcard/Treccard and Dangerous Goods Declaration.
- The names, functions, purpose and use of personal protective equipment and safety equipment provided for use during loading, off-loading or an incident.
- The procedures for reporting and reacting to incidents for the class of substance to be transported.
- Tremcard/Treccard Dangerous Goods Declaration and any other additional document used to access information about the substance.
- The meaning of the following terminology:
 - > Consignee.
 - > Consignor.
 - > Qualified person.

- > Emergency response guide.
 - > Classified Goods & Substances.
 - > Dangerous Goods Placard.
 - > Multi-Load/Mixed Load.
 - > Multi-Load/Mixed Load warning diamond.
 - > Operator.
 - > Road Tanker (Bulk).
 - > Exempt Quantity.
 - > Route Instruction.
 - > Designated Space.
 - > United Nations Number.
 - > Operator Registration.
 - > Incident.
 - > Professional Driving Permit.
 - > Operator Advice Number.
 - > Specialist Advice Number.
- The following regulations:
 - > (115 F) part 3 Chapter 4 of the National Road Traffic Act
 - > (116 C)
 - > (117)
 - > (117 E)
 - > (118)
 - > (120)
 - > (122)
 - > (123)
 - > (124)

UNIT STANDARD DEVELOPMENTAL OUTCOME

N/A

UNIT STANDARD LINKAGES

N/A

Critical Cross-field Outcomes (CCFO):

UNIT STANDARD CCFO IDENTIFYING

Identify and solve problems where responses to problems show that such critical and creative thinking has been used to make responsible decisions when an emergency situation arises.

UNIT STANDARD CCFO WORKING

Work effectively with others as a member of a team, group, organisation or community to load and off-load vehicles and handle accidents or spillages.

UNIT STANDARD CCFO ORGANISING

Organise and manage oneself and one's activities responsibly and effectively to meet legal requirements.

UNIT STANDARD CCFO COLLECTING

Collect, analyse, organise and critically evaluate information pertaining to the conveyance of dangerous goods by road.

UNIT STANDARD CCFO COMMUNICATING

Communicate effectively when reporting incidents.

UNIT STANDARD CCFO DEMONSTRATING

Demonstrate an understanding of the world as a set of related systems where the incorrect handling and conveying of dangerous goods can pose a threat of injury to people, materials and/or the environment.

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

This unit standard replaces unit standard 10230, "Convey dangerous goods by road", Level 4, 8 credits.

Notes to assessors:

The following assessment methods must be regarded as minimum requirements for the assessment of learner competence:

- Questioning.
- Reflexive questions.
- Simulation.

Terminology:

- SANS: South African National Standard.

QUALIFICATIONS UTILISING THIS UNIT STANDARD:

	ID	QUALIFICATION TITLE	PRE-2009 NQF LEVEL	NQF LEVEL	STATUS	END DATE	PRIMARY OR DELEGATED QA FUNCTIONARY
Elective	59326	National Certificate: International Trade	Level 2	NQF Level 02	Reregistered	2023-06-30	TETA
Elective	57831	National Certificate: Freight Handling	Level 3	NQF Level 03	Reregistered	2023-06-30	TETA
Elective	50285	National Certificate: Professional Driving	Level 3	NQF Level 03	Reregistered	2023-06-30	TETA
Elective	57849	Further Education and Training Certificate: Dangerous Goods: Multi-modal Transportation	Level 4	NQF Level 04	Passed the End Date - Status was "Reregistered"	2016-12-31	TETA
Elective	65949	Further Education and Training Certificate: Supervision of Construction Processes	Level 4	NQF Level 04	Reregistered	2023-06-30	CETA

PROVIDERS CURRENTLY ACCREDITED TO OFFER THIS UNIT STANDARD:

This information shows the current accreditations (i.e. those not past their accreditation end dates), and is the most complete record available to SAQA as of today. Some Primary or Delegated Quality Assurance Functionaries have a lag in their recording systems for provider accreditation, in turn leading to a lag in notifying SAQA of all the providers that they have accredited to offer qualifications and unit standards, as well as any extensions to accreditation end dates. The relevant Primary or Delegated Quality Assurance Functionary should be notified if a record appears to be missing from here.

1. Access Training Centre (Pty) Ltd
2. ACT SKILLS DEVELOPMENT
3. Africa Training Centre
4. Akhule Development Institute CC

5. Aldabri 106 Institute for Quality Pty Ltd
6. Algoa Bus Company
7. All-in-one Driving Academy
8. AM Compliance Services (Pty) Ltd
9. Amandlolwazi Training Centre Pty Ltd
10. Andebe Group
11. B-Line Express
12. Bakubung Driver Training and consultants CC
13. Bayteck Fire cc
14. Bev Short Training Consultants
15. Biz and Labour (Pty) Ltd
16. Breerivier Training Development CC Mossel Bay
17. Breerivier Training Development CC Worcester
18. Brilliant Skills Development & Training Solutions
19. Buscor
20. Cape Winelands Training
21. Career without College
22. CHAMDOR DRIVER TRAINING CC
23. Commercial Transport Academy CTA Pty Ltd
24. Continuous Development Training
25. Crossroads Distribution (Pty) Ltd - Johannesburg
26. Culmen Wes-Kaap CC
27. Dantran Training
28. DB Schenker Logistics Campus MEA Pty Ltd
29. Dee's Training (PTY) LTD
30. Dee-Bravo Training Centre
31. Dees Driver Training Centre
32. Devolden Group
33. DGP Training Consultants
34. DGR Compliance Solution Pty Ltd
35. Die Mnyandoro"s G.M. Agency (Pty) Ltd
36. Dionysus Skills Development Initiative
37. DMG Global Training Solutions (Pty) Ltd
38. Dreyer & Dreyer Risk Solutions
39. Drive for Africa Training and Evaluation

40. Durban Driver Training Centre Pty Ltd
41. Econo Driver Training
42. Edu Wize Group Pty Ltd
43. Elite Operator & Skills Development
44. Engen Petroleum Ltd
45. Enviroserv Waste Management Pty Ltd
46. ESS Holdings (PTY) Ltd
47. Excellect 209 (PTY) LTD
48. Excellect 209 PTY LTD
49. Exclusive Training and Services
50. Exclusive Training Services
51. Exodec 388 CC
52. Fantique Trade 1092
53. FBT Consultants CC
54. Fundi Training Centre
55. G T Training Service Provider
56. Ga- Mokgopo Forklift Training
57. Gentle Touch Diagnostics (Pty) Ltd
58. Global Learning Services
59. Global Maritime Legal Solutions Pty Ltd
60. Golden Arrow Bus Services_pty Ltd
61. Green Light Training and Projects
62. H and H Risk Solutions
63. Hazchemwize (PTY) Ltd
64. Haztranz cc
65. He and She Driver Training Centre
66. Hlumanathi Trading PTY LTD
67. Human Resources Education Training & Development
68. Humrec Human Resource Training
69. Ikaheng HR Services Pty Ltd
70. Imbo driving school
71. Imperial Logistics Group t/a Dedicated Contracts
72. Indaba Training
73. Inkqubela Consultants
74. Innovative Shared Services

75. Isomark (Pty) Ltd
76. Juan-Tech Training Centre
77. Julifa Trading Enterprise cc
78. Jumpstart Training Institute Pty Ltd
79. Kajal and Associates
80. Kempston Driving Academy
81. Khabanyane Training and development
82. Khamafi Training cc
83. Kholwa Management and training Consultancy
84. Kitta Transport Training Academy
85. KKH Operator Training and Projects Pty Ltd
86. Ksk Training Centre (Pty) Ltd
87. Kwetsima (Pty) Ltd.
88. KZN Business Solutions And HR Management cc
89. LB Training Solutions
90. Learncorp
91. Learning Exchange Pty (Ltd)
92. Leboa Investments 28
93. Licence Wise
94. LTM Training & Remote Learning Solutions
95. LTM Training and Remote Learning Solutions
96. Lwaze Lwanda General Traders CC
97. Makwedeng Training
98. Masakhane Further Education and Training
99. Metsi Water Solutions (Pty) Ltd
100. Miclos Trading (Pty) Ltd
101. Moripe Business and Training Consultants
102. Mpofo Engineering Projects
103. Nelko Training MP (Pty) Ltd
104. Networx for Career Development
105. Nirvana Training Academy
106. NOSA LOGISTICS PTY LTD
107. NOSHTAC Training and Consulting cc
108. Nowethu Learning Institute cc
109. NS Traders

110. Ntongenhle Construction Force
111. Ntsoaki Driving School
112. OHS Legislative Training CC
113. OHSTEC
114. Open Learning Group
115. OSR Trading
116. P and R Development and Training (Pty) Ltd
117. Pal Passenger Bus Services
118. Phephani Learnerships cc
119. Pietersburg Labour Consultants
120. PMADS Holdings (Pty) Ltd
121. Primeserv Corporate Solutions (Pty) Ltd
122. Pro Driver Training (Pty) Ltd
123. PRO Skills Development (Pty) Ltd
124. PRO Skills Development Pty Ltd
125. Pro-Driver Trucking Academy (Pty) Ltd
126. Production Management Institute (PMI)
127. PUTCO Limited
128. PUTCO Pty Ltd
129. Quantum Leap College Pty Ltd
130. R and T Training (Pty) Ltd
131. Rasehlo Transport and Tourism
132. Reef Training Solutions (Pty) Ltd
133. SA Maritime School and Transport College
134. Safe and Eco Driving Pty Ltd
135. SC Training
136. School of Shipping
137. Sediba Sabasadi Skills Training Academy (Pty) Ltd
138. Segaole Driving School
139. Shipping And Transport College Pty Ltd
140. Sinethemba Visiwe PTY LTD
141. Siyakhulisa Skills Academy & Assessment Centre
142. Siyashayela Training and Development
143. Skills for All
144. SN Pool Transport

145. South African Fire and Medical Academy (SAFMA)
146. SPINA Consultancy cc Cape Town
147. Staffing Logistics
148. Strat Training
149. Striving Mind Academy and Consultancy Pty Ltd
150. Surgophase (Pty) Ltd
151. SVA Training
152. Tanker Services
153. The Assessment Zone (Pty) Ltd
154. The Skills Authority
155. The Skills Matrix
156. Thwala Training Services (Pty) Ltd
157. TIESPRO (Pty) Ltd
158. Total Fleet Solutions (Pty) Ltd
159. Toyota Forklift t/a Saficon Industrial Equipment
160. Training Force
161. Transvaal Legislative Training
162. Transvaal Training
163. Triton Express (Pty) Ltd
164. Triton Express Pty Ltd
165. True-Blue Training (Pty) Ltd
166. Tshireletso Multi-skills and Training
167. Uhambo Training Solutions Pty Ltd
168. Unitrans Supply Chain Solutions (Pty) LTD
169. Uthingo Training Centre
170. Uzoyithola Training and Consulting
171. Value Logistics Limited
172. Various Aligned Safety And Training
173. Victor Adams Training
174. Victoria driving School (PTY) LTD
175. Victoria driving School PTY LTD
176. Vital Devine Trading and Projects
177. Vulindlela Training Centre
178. WAL TRAINING
179. Wheelset Academy Of Machine Operators

180. White Horse Carriers Pty (Ltd)
181. WHSE Training College (Pty) Ltd
182. Wind Financial and Training Services (Pty) Ltd
183. Xhapela Transport and Training Services CC
184. Yellow Jersey Logistics (Pty) Ltd
185. Yes We Can Consulting Pty Ltd
186. YouLearnIT Academy
187. Zambuko Training Enterprise
188. Zikholwe Training and Development (pty) Ltd

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