

OPERATE A RIGID HEAVY VEHICLE

SAGA Unit Standard ID	123253
NQF Level	4
Credits	15
Duration	4 Days

Course fee per Learner **R2 400.00**

Includes Course material, assessment,
light lunch and registration

REG No. 1970/002982/07
VAT Reg. 4030240818
SDL 630701599
TETA03-008

OVERVIEW

The purpose of learning is to ensure safe, professional operation of rigid (no articulation points) heavy vehicles with a gross vehicle mass exceeding 3,5 tons. Credited learners can drive a specific type of rigid heavy vehicle in accordance with legal, safety, manufacturer and other relevant requirements and reflect on the manner in which the vehicle is operated. Competent drivers are able to preserve vehicles as assets, drive safely and defensively, and contribute significantly to the economy by transporting goods and/or passengers.

CREDITED LEARNERS ARE CAPABLE OF

- Preparing a rigid heavy vehicle for road transport trips according to specification.
- Driving a rigid heavy vehicle in accordance with specified requirements.
- Ensuring the maintenance of road transport service quality.
- Handling unexpected situations according to specified procedures.
- Reflecting on rigid heavy vehicle performance and own operation of vehicle against requirements.
- Parking rigid heavy vehicle in accordance with specified requirements.

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 and Communication competence.

THE SCOPE OF THIS UNIT STANDARD INCLUDES

- Rigid vehicle refers to a motorised fixed chassis vehicle over 3,5 tons gross vehicle mass.
- Competence on the driving outcome for vehicles over 3,5 tons gross vehicle mass, should be assessed on:
 - > At least one of the following gearbox types:
 - > Synchro-mesh
 - > Non-synchro mesh
 - > Automatic
- At least 1 of the following retardation systems (refers to a braking system fitted on a vehicle, in addition to brake systems, as required by law).
 - > Engine brakes
 - > Driveline retarders (electro-magnetic and hydraulic)
 - > Exhaust brakes
 - > Service brake system
- Competence should be proven on a loaded vehicle. Loaded implies a vehicle loaded with goods and/or passengers to at least 25 percent of its rated capacity.
- The learner's portfolio should prove that the learner has accumulated at least 100 logged hours of driving which includes the following compulsory conditions:
 - > Night driving - at least 5 logged hours
 - > Driving in wet weather conditions - at least 5 logged hours
 - > Freeway driving - at least 20 logged hours
 - > Driving in low and high-density traffic - at least 20 logged hours
- The relevant driving license will have to be obtained, before the learner can be credited against this unit standard.



UNIT STANDARD ESSENTIAL EMBEDDED KNOWLEDGE

Credited learners understand and can explain:

- Rigid heavy vehicle components location, characteristics and functionality. Range: Relevant vehicle components include the electrical system, cooling system, lubrication system, fuel, clutch, gearbox, differential lock, brake system, tyres, retardation devices, and cab instruments and warning devices.
- Road Traffic Act 1993 pertaining to the operating of a rigid heavy vehicle.
- The effect that weather, road and traffic conditions have on a rigid heavy vehicle's performance, as well as driver actions.
- Procedures for and reporting of emergencies.
- Application of fire extinguisher fitted on vehicle.
- Operational rationale for vehicle inspections.
- Defect reporting procedure.
- Measures to minimize risk of hi-jacking.
- Measures to maximise cost-effectiveness and efficient operation of a rigid heavy vehicle.
- Effects of psychological responses and physiological conditions, as well as medical substances on driving performance.
- Impact of loads on rigid heavy vehicle stability.
- How to adjust driving style in order to maintain freight quality/passenger safety.
- Indicators of passenger distress caused by unacceptable driving or amenity deficiencies and actions to be implemented to rectify this.

