



DRAFT TANZANIA STANDARD

MED 9 (5171) P3 – Modified road vehicle passenger transportation - requirements

FOR STAKEHOLDERS COMMENTS ONLY

TANZANIA BUREAU OF STANDARDS

0.Foreword

Passenger transportation in the rural areas of the country faces challenges due to bad situation of the roads, reliable and safe transportation in the rural areas is of high demand and it is very important in development of people living in these areas.

This Tanzania draft standard is prepared in order to overcome the challenges.

This Tanzania draft standard specifies the requirements of modified road vehicle passenger transportation.

1.0 Scope

This Tanzania draft standard specifies the requirements of Modified passenger compartment design for transportation.

2.0 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

- TZS 698:2012- Road vehicles – Code of practice for inspection and testing of used motor vehicles for road worthiness
- TZS239:2013 - Road vehicles – Steel based exhaust systems – Specification

3.0 General requirements for Modified road vehicle passenger transportation

3.1 the intended vehicle to be modified shall comply with requirements of TZS 698:2012

3.2 the vehicle shall be registered by relevant authority

3.3 the vehicle shall be equipped with a portable fire extinguisher as per Fire and rescue services.

3.4 the vehicle shall be equipped with valid first aid kit as per Occupational safety and health authority(OSHA).

3.5 requirement for exhaust system shall be in accordance to TZS239:2013

3.6 the vehicle original chassis frame shall not be modified by any means

3.7 original vehicle length and width shall not be changed.

3.8 vehicle shall be stable

4.0 Specific requirements

4.1 Passenger compartment design

- 4.1.1 the compartment structures shall be made by metal tubes
- 4.1.2 the vehicle passenger compartment shall not have sharp edges.
- 4.1.3 the compartment shall be firmly fixed/ attached on vehicle
- 4.1.4 the compartment surface finishing shall be smooth and coated.
- 4.1.5 the compartment structures shall be either joined by welding or fastening.
- 4.1.6 the compartment shall be covered to protect passenger from rain and sun.
- 4.1.7 the cover may be metal sheet, canvas and any other approved material.
- 4.1.8 the cover may be temporary or permanent
- 4.1.9 the passenger compartment shall be designed to permit sufficient ventilation
- 4.1.10 the compartment shall be equipped with sufficient light.

4.2 seat requirements

- 4.2.1 all seats shall be well securely fixed.
- 4.2.2 the seat shall be provided with at least safe belt.
- 4.2.3 seat arrangement shall be either of transverse seats or facing in the same direction.
- 4.2.4 seat backrest shall have height not less than 520mm, measured from seat level to the highest point. The seat backrest may be full or segmented with inclination not less than 90 degrees from cushion.
- 4.2.5 where transverse seat face one another the minimum distance between the front faces of the squabs of facing seats, as measured across the highest points of the seat cushions.
- 4.2.6 each seating position shall have a free height not less than 750mm from the highest point of backrest.
- 4.2.7 the minimum width of the backrest shall not be less than 300mm measured at its widest point.
- 4.2.8 the minimum depth of the seat shall not be less than 350mm.

4.2.9 the height of any seat from the floor or the height from the foot rest of such to seat level shall be not less than 300mm.

4.2.10 the minimum depth of the cushioning shall not be less than 50mm

4.2.11 the gangway of the vehicle shall be designed and constructed as to permit the free passage of passengers.

4.2.12 the minimum distance of gangway shall not be less than 900mm.

4.3 Emergency doors

4.3.1 emergency door shall be manually operated.

4.3.2 the door shall be designed in such a way that prevent accidental opening

4.3.3 the door shall be designed such that it can be easily opened and closed

4.5 Stair case

4.5.1 for the higher vehicle there should be sufficient staircase to enable easily accessibility to the entrance and exit.