



# health

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Department:  
Health  
**REPUBLIC OF SOUTH AFRICA**

**NATIONAL TREASURY: REPUBLIC OF SOUTH AFRICA**

**EMERGENCY MEDICAL SERVICES**

**AMBULANCE CONVERSION TECHNICAL SPECIFICATION: 23 Seated  
Patient Transporter**

**EMS 001/2021**

**NOTE:**

- 1. All materials used in the construction of the ambulance conversion are to meet SANAS/SABS standards**
- 2. Conversion is to be approved by the relevant End-User Department after a “prototype” has been inspected and approved**
- 3. Contractor must be an accredited ISO 9000 manufacturer**
- 4. All conversion aspects related workmanship must carry at least 36 months warranty**
- 5. Contractors to submit detailed project plan which should include midway inspection or at any time during production of each vehicle by the end user**
- 6. Sign off will depend on end user acceptance as per the prototype specification**

## List of abbreviations

LHS – Left Hand Side (passenger side)

RHS – Right hand side (driver side)

OEM – Original equipment manufacturer

## Patient Transporter Conversion Specification

All of the requirements listed below must be offered as part of the 23 seater bus conversion, and offered as optional extras. The end user will make a selection of the options based on the individual requirements. Each option should be priced separately.

	Vehicle Specification	Details of offer
<b>1.</b>	<b><u>Outside of Vehicle</u></b>	
<b>1.1.</b>		
<b>1.2.</b>	Full vehicle branding should be as per province specifications inclusive of national requirements. Material used should be of the 7 year vehicle grade similar to 3M or Avery to be used. Each section of the design should be cut from a single sheet of material as far as possible. All emblems should carry a 7-year warranty.	
<b>1.3.</b>	On top of sliding door a LED generation 3 light to be fitted in order to provide sufficient light over door step.	
<b>1.4.</b>	Two stage steps with LED strip lights to be fitted, to enable patients to enter at ease	
<b>2.</b>	<b><u>Inside of Vehicle</u></b>	
<b>2.1.</b>	Two front seats to be replaced with two wheel chair brackets in a folded position a size of wheel chair to be supplied by provinces.	

<b>2.2.</b>	The brackets should be compliant to the safety standards of motor vehicles.	
<b>2.3.</b>	Buzz buttons should be fitted on each post that will alert the driver of any emergency within patient compartment. To attract the driver's attention the system should have a flashing red light in view of the driver as well as a buzzer – Optional based on end user requirements	
<b>2.4.</b>	Enclosed storage or parcel shelves must be fitted to the full length of the vehicle on both sides. The design and operation should be similar to the storage space found inside aircrafts.	
<b>2.5.</b>	Additional LED lights must be fitted in patient compartment to provide sufficient light. Up to a maximum of three strips of lights to be fitted based on the end users requirements.	
<b>2.6.</b>	Positive pressure ventilation system to be fitted on top of roof that will allow constant airflow through vehicle when driving. These vents should be of the manual type and be as aerodynamically shaped as possible. - Optional based on the end user	
<b>2.7</b>	Side windows to be fitted with smaller sliding windows	
<b>3.</b>	<b><u>Back of Vehicle</u></b>	
<b>3.1.</b>	Below back seats, medical drawers to be designed as per vehicle dimensions and per end-user specific needs.	
<b>3.2.</b>	Brackets for medical oxygen with tubing fitted to the front row of seats to be secured from back of vehicle.	
<b>3.3.</b>	Fire extinguisher to be standard item for each vehicle	