

Standard Ambulance Specification Guide

1. Purpose and Scope

This guide provides standardized technical and operational specifications for ambulances to be used by Relief International (RI). It aims to ensure consistency, quality, safety, and interoperability across the national health emergency response system in line with international standards and the sMoH.

Specifically, this guide is to be used by Relief International (RI) to support the referral of patients from primary health facilities (PHCs) and mobile medical units (MMUs) to secondary and tertiary-level care facilities.

By standardizing ambulance specifications, RI ensures that referred patients receive timely and safe transport aligned with lifesaving and dignity-preserving care standards, even in fragile or conflict-affected settings.

2. Types of Ambulances

Type	Description	Typical Use
Type B	Basic Life Support (BLS) ambulance	Emergency transport, basic prehospital care

3. General Vehicle Requirements

- Chassis: Minimum 2.5L diesel engine, 4x2 or 4x4 (depending on terrain); reinforced suspension
- Transmission: Manual or automatic
- Cabin: Dual cabin with climate control (AC/heating)
- Fuel Capacity: ≥ 70 liters or ≥ 500 km range
- Safety: ABS, airbags, fire extinguisher, rear-view camera
- Lighting: Emergency LED light bar, sirens, external floodlight
- Brand/Model: Preferably Toyota Land Cruiser, Ford Transit, or similar durable models approved in-country

4. Medical Equipment Specifications

Type B Ambulance

- 1 main stretcher + 1 secondary stretcher
- 2 oxygen cylinders (5L & 10L) with wall-mounted flowmeter
- Manual resuscitator (adult & pediatric)

- Basic monitor (BP, pulse, SpO₂)
- Automated External Defibrillator (AED)

- Emergency medications (as per protocol)-diazepam, atropine, phenytoin,
- Glucometer & Glucose strips
- Suction unit (electric)
- Immobilization devices (cervical collar, splints)

- Advanced airway kits (Air way tube, laryngoscopes, ET tubes)
- Storage cabin/box for medical consumables

- ECG monitor-defibrillator
- Infusion pumps
- Mechanical ventilator (portable)
- Advanced drug kit (as per national EMS protocols)
- Onboard inverter with 12V and 220V outlets
- Fridge for medications
- Mobile communication (radio, satellite phone)
- Other Medical Supplies: IV kits, Cannulars, dressings, thermometers, emergency drugs-fluids