

The medical equipment and supplies in the ambulance should be **FDA or CE approved**. The supplier should provide the certificate CE, FDA along with the submission.

**A. Indicative Mechanical specs**

Vehicle model with equivalent specification may be considered.

- 1) 2.5 to 2.7lt gasoline engine 16 valves
- 2) ABS brake system
- 3) Low CO emissions
- 4) Manual transmission: 5 gears + reverse
- 5) Power steering wheel

**1) Rear cabinet specs:**

- 2) Depth: 3250mm – height: 1650m – wide: 1750mm
- 3) Back door: height: 1500mm – wide: 1500mm
- 4) Easy sliding side door with stop mechanism
- 5) Overall cargo area: volume: 9m<sup>3</sup> – weight: 1500 kg
- 6) Air conditioned

**2) General specs:**

- 1) Gross weight: 3500 kg
- 2) Empty weight: 1750 kg
- 3) Overall load weight: 1750 kg
- 4) Long: 5.5 m – wide: 1.9 m – height from ground floor to top: 2.3 m

**3) Front cabinet:**

- 1) Driver + 2 passengers
- 2) SRS airbags for driver and passengers
- 3) Automatic windows
- 4) Linen covered seats

**B. Rear cabinet first aid equipment:**

[Trolley + stretcher with fastener mattress and restraints](#)

- Weight capacity: 227 kg
- Robust construction: Low weight aluminium
- Available positions: Shock position, flat foot position or optional knee tilte
- Carriage height adjustment positions: 7
- Head Extension with Pillow: Optional
- One person handling: Yes
- Machine washable (Power washable): Yes
- High-quality patient mattress: Yes
- Detachable rescue basket: Yes

[Backboard / Najo lite 10 pins](#)

[Restraints black 5' \(2 pcs.\)](#)

- Restraint Straps are primary-use patient restraints made of 2-inch nylon webbing. They feature quick-release, automotive-type metal buckles.
- Chrome-plated metal buckles are rust and corrosion resistant
- Push-button operation allows secured fastening and easy release
- Hemmed tab prevents strap from being pulled free of buckle
- Primary-Use Restraints are suitable for securing a patient on compatible equipment during transport in a motor vehicle

#### [Restraints black 5' \(1 pc\)](#)

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#### [Folding chair stretcher](#)

- helps you quickly and safely transport a seated passenger down stairs and over flat surfaces in an evacuation situation. The chair carries the weight, reducing operator fatigue and the risk of injury.
- 5-position lift bar and handles
- All-metal frame construction
- Smooth 4-inch front swivel wheels and extra tall 6-inch rear wheels
- One inch track-to-ground clearance
- Extending footrest and lower track angle
- Patient seating surface is large and removable ABS plastic seat
- Positive locking hinge

#### [Scoop yellow](#)

##### Emergency Rescue Stretcher Orthopaedic Scoop Type Yellow

- Firm and lightweight
- Twin safety-lock
- Recessed head section to maintain spinal alignment
- Adjustable heights
- Thermally treated polymer maintains a level temperature for patient
- Impervious to fluids and easy to clean
- X-ray compatible
- Complete with three straps
- Stretcher weight: 7kg

- Maximum load: up to 159kg

#### [Head immobilizer kit](#)

- Unique head/chin strap
- Large ear holes for monitoring the patients ear canal
- Minimal interference with X-ray, MRI or CT scan procedures
- Waterproof vinyl-dipped foam makes it easy to clean
- Compatible with all flat backboards
- Bright red, for attention
- Compatible with spine board and cervical collars

#### [Fracture care kit \(multiple sizes\)](#)

- Complete splint set consisting of 5 splints in a handy carry bag
- Splints are universal so can be used on right or left limbs
- Includes adult arm, adult leg, arm/shoulder, child arm and child leg splint
- Each splint includes securing straps
- X Ray Translucent and MRI compatible

#### [770 restraints – fast trap](#)

The Model 770 Fastrap Restraint System is a system of hook-and-loop fastening straps that provides quick restraint of a patient on a horizontal transport device such as a backboard or scoop stretcher. The Fastrap is adjustable to accommodate pediatric and adult patients. Other features include color-coded straps for easy application, and a wrist restraint.

Load Limit: 1000 lb, 454 kg

Weight : 2 lb, 689 g

Strap Lengths V-Strap (overall): 62 in/157 cm

#### [Extrication device KED](#)

The Kendrick Extrication Device (K.E.D.) Pro immobilizes the torso, head, and neck, enabling prompt extrication of patients from auto accidents and other confined spaces while minimizing risks of further injury. The two-part, wrap-around design provides horizontal flexibility for easy application and vertical rigidity for maximum support of the spine, neck, and head during extrication.

- Weight 3.63 kg
- Load Limit 249.48 kg
- Width 81.28 cm
- Height 3.81 cm
- Length 83.82 cm

#### [Trauma kit bag](#)

- A comprehensive trauma kit supplied in a large capacity red emergency bag.
- Includes a BS8599 Critical Injury Pack which is designed to treat any injury with severe bleeding
- Contains all the products required to deal with catastrophic bleeding, including emergency tourniquet and haemostatic dressings
- Bag is 60cm wide x 25cm deep x 50cm high and comes with a shoulder strap
- A comprehensively stocked trauma kit designed to deal with major incidents, particularly those with major blood loss.

**Contents:**

- 1 x BS8599 Critical Injury Pack in Belt Pouch kitted
- 1 x Single body fluid clean up disposal kit complete
- 1 x Burns first aid kit in vinyl pouch complete
- 1 x BS8599 First Aid Kit in Belt Pouch Small complete
- 1 x Moldable rolled splint
- 1 x Pocket face mask for CPR
- 10 x Extra foil blankets
- 6 x Trauma pressure dressing medium
- 10 x Compact instant ice pack
- 1 x Box of 100 nitrile gloves
- 1 x Extra emergency tourniquet orange/black

[Airway kit bag / oxygen kit](#)

The Professional Intubation Bag displays airway supplies for ease of use and has a removable internal pouch for miscellaneous supplies and removable card for additional storage. It also includes adult and pediatric kits.

[Easy fix plus Ready2go kit](#)

- Designed to give better product protection in unforgiving operating environments, the ground-facing base surface made from a durable low-friction glass-fibre material which helps to maneuver and gives even more protection when dragging or bringing someone downstairs.
- The V-shaped inner chamber system and rigid base should give effective C-spine immobilization without the need to use a cervical collar, which can cause extra trauma to the patient during positioning of a collar (can also be used with a collar).
- Length Width (max) Thickness Weight Load Limit 2080 mm 720 mm 1300 mm 45mm 8.2 kg (incl straps) 250 kg/39st/550lbs

[AED with Li-Ion battery with charger](#)

- Semi-automatic and Fully Automatic configuration Waveform
- Defibrillator Charge Hold Time: 30 seconds
- Energy Selection: Automatic preprogrammed selection (120J, 150J, 200J)

- Patient Safety: All patient connections are electrically isolated
- Charge Time: Less than 10 seconds with new batteries
- Electrodes: ZOLL CPR-D-padz, Pedi-padz® II or Stat-padz® II
- Self-test: Configurable automatic self-test from 1 to 7 days.
- Default = every 7 days. Monthly full-energy test (200J).
- Automatic Self-test Checks: Battery capacity, electrode connection, electrocardiogram and charge/discharge circuits, microprocessor hardware and software, CPR circuitry and CPR-D sensor, and audio circuitry
- CPR: Metronome Rate: Variable 60 to 100 CPM Depth: 3/4" to 3.5"; 1.9 to 8.9 cm
- Defibrillation Advisory: Evaluates electrode connection and patient ECG to determine if defibrillation is required
- Shockable Rhythms: Ventricular fibrillation with average amplitude >100 microvolts and wide complex ventricular tachycardia with rates greater than 150 BPM for adults, 200 BPM for pediatrics. For ECG Analysis Algorithm sensitivity and specificity, refer to AED Plus Administrator's Guide.
- Patient Impedance Measurement Range: 0 to 300 ohms
- Defibrillator: Protected ECG circuitry
- Display Format: Optional LCD with moving bar Size: 2.6" x 1.3"; 6.6 cm x 3.3 cm
- Optional ECG Viewing Window: 2.6 seconds
- Optional ECG Display Sweep Speed: 25 mm/sec; 1"/sec
- Battery Capacity: Typical new (20°C) = 5 years (225 shocks) or 13 hours continuous monitoring. End of life designated by Red X (typical remaining shocks = 9).
- Data Recording and Storage: 7 hours of ECG and CPR data. If audio recording option is ordered and enabled, 20 minutes of audio recording, ECG, and CPR data.
- PC Minimum Requirements for Configuration and Patient Data Recovery (not compatible with Mac OS): Windows XP, Windows 7, Windows 8, Windows 10, IBMcompatible PII with 16550 UART (or higher) computer. 64MB RAM. VGA monitor or better. CD-ROM drive. IrDA port. 2MB disk space.
- Device Size: (H x W x D) 5.25"x 9.50" x 11.50"; 13.3 cm x 24.1 cm x 29.2 cm
- Weight: 6.7 lbs; 3.1 kg
- Power: User-replaceable batteries. 10 Type 123A Photo Flash lithium manganese dioxide batteries
- Device Classification: Class III and internally powered per EN60601-1
- Design Standards: Meets applicable requirements of UL 2601, AAMI DF-39, IEC 601-2-4, EN60601-1, IEC60601-1-2
- Environmental Operating Temperature: 32° to 122°F; 0° to 50°C
- Storage Temperature: -22° to 140°F; -30° to 60°C
- Humidity: 10 to 95% relative humidity, non-condensing Vibration: MIL Std. 810F, Min.
- Helicopter Test Shock: IEC 68-2-27; 100G Altitude: -300 to 15,000 ft.; -91m to 4,573 m
- Particle and Water Ingress: IP-55 CPR-D-padz Shelf Life: 5 years Conductive Gel: Polymer
- Hydrogel Conductive Element: Tin Packaging: Multilayer foil laminate pouch Impedance

- Class: Low Cable Length: 48 in (1.2 m) Sternum: Length: 6.1 in (15.5 cm); Width: 5.0 in (12.7 cm); Length, conductive gel: 3.5 in (8.9 cm); Width, conductive gel: 3.5 in (8.9 cm); Area, conductive gel: 12.3 sq in (79.0 sq cm) Apex: Length: 6.1 in (15.5 cm); Width: 5.6 in (14.1 cm); Length, conductive gel: 3.5 in (8.9 cm); Width, conductive gel: 3.5 in (8.9 cm); Area, conductive gel: 12.3 sq in (79.0 sq cm) Complete Assembly: Folded length: 7.6 in (19.4 cm); Folded width: 7.0 in (17.8 cm); Folded height: 1.5 in (3.8 cm) Design Standards: Meets applicable requirements of ANSI/ AAMI/ISO DF-39-1993 A

#### Fire blanket

- Made fireproof woven fiberglass technology.
- Thickness of fire blanket:  $0.43 \pm 0.05$
- Certification: ISO

#### Finger pulse oximeter

- ACCURATE, RELIABLE, & QUICK READINGS - Clinically tested and proven consistent results. Receive blood SpO<sub>2</sub>, Pulse Rate, and Pulse Strength results within 8 to 10 seconds on large digital red LED Pulse Oximeter display.
- SpO<sub>2</sub>, PULSE RATE, and PULSE BAR GRAPH READINGS - Simple bar graph that displays your Pulse Oximeter SpO<sub>2</sub>, Pulse Rate, and Pulse Strength results.
- SUITABLE FOR ALL AGES - Smart design allows for a range of finger sizes to fit into the Pulse Oximeter finger chamber, designed with latex free silicone material.
- PORTABLE & EASY TO USE - Light-weight and compact, easy to handle and to carry with you for results at home or outdoors. Pulse Oximeter is for sport and aviation use only. This device is ideal for use during sports activities such as mountain climbing, running, biking, etc.
- LOADED WITH ACCESSORIES - Package includes 2-AAA Batteries to power up the Pulse Oximeter, Case to protect the Pulse Oximeter, Neck/Wrist Cord, User Manual, plus no-hassle 1 year manufacturer warranty.

#### Aneroid sphygmomanometer

- FAST & EASY to measure blood pressure in a medical setting, at home or on the road
- GAUGE: easy to read, extra-large high-contrast dial, stress-tested over 3,000 times, calibrated five times and certified 300 mmHg manometer attains accuracy of  $\pm 3$  mmHg without pin stop.
- CUFF and CARRYING CASE: adult-sized cuff, high-molecular polymer nylon cuff and carrying case are abrasion and moisture resistant. Accurate arterial compression with artery indicator label and index range. Removable bladder for easy cuff cleaning.
- INFLATION: high-density non-stick, non-cracking inflation bulb and bladder. Equipped with screw-type valve for easy and precise deflation control.

#### Stethoscope

- Two-sided chestpiece with tunable diaphragms on both the adult and pediatric sides.

- Single-piece tunable diaphragm is easy to attach, and easier to clean because its surface is smooth without crevices.
- Pediatric side converts to a traditional open bell by replacing the single-piece diaphragm with a non-chill rim.
- Five-year warranty

#### Blood glucose test with strips

- INCLUDES: 50 test strips per box
- TEST STRIPS: Ideal for self-testing at home or on the go; Require only a tiny blood sample
- FAST RESULTS: Deliver results in just 5 seconds; For greater comfort, alternate between testing your palms, forearms, and fingertips
- USAGE: For in vitro diagnostic use

#### Thermometer

- Forehead Thermometer - Digital Thermometer with Professional Accuracy and Color Coded Temperature Guidance - Thermometer for Adults, Babies, Toddlers and Kids.

D size oxygen cylinder + regulator: D Size Cylinder 2.8L, Pin Index Regulator, oxygen mask & tubing

E size oxygen cylinder + regulator.

M size oxygen cylinder + regulator.

Ambu bag (reusable) + masks

Silicon and Reusable Adult+Paedi option

#### Manual suction

Manual Suction Device Adult and Paediatric (SuctionLite) is a lightweight and compact device with a double valve system for quick and safe oral suction

## **2) Other equipment:**

- 1) Fire extinguisher.

Stored Pressure Nitrogen 3 kg Dry Powder Controllable Brass Valve with Gauge 405 mm 5 kg -20° C to + 60° C 12 Bar/ 24 Bar Exceed 69 Bar ≥ 9 Seconds 3 Meter Mild Steel 130 mm 13A / 55B Red Epoxy Powder Coating Fire Fighter Industry Sdn. Bhd. MS 1539: Part 1 : 2002 Compatible to Type A, B and C.

- 2) Tire inflator  
Inflates 2 tyre, metal
- 3) Emergency triangle  
Foldable 2 pcs
- 4) Cones.