

**West Virginia Department of Health and Human Resources  
Bureau for Public Health  
Office of Emergency Medical Services**

**Ambulance Equipment List**

This is a list of the minimum equipment and supplies required for Class B and Class C EMS vehicles. All equipment must be clean and in proper working order. All supplies must be clean, and when applicable, sealed and within the manufacturer's date of expiration. All classified vehicles must be equipped with all of the required equipment and supplies while en route to a scene or during patient transport.

**BLS Equipment and Supplies**

1. Ventilation and airway equipment.
  - A. Portable and fixed suction unit - 1 each.
    - Large bore tubing.
    - Large bore rigid oral curved suction catheter (Big Stick<sup>®</sup> or equivalent) - 2.
    - Flexible suction catheters (6F, 10F, 14F) - 2 each.
    - Manual units must be V-VAC<sup>®</sup> or equivalent.
  - B. Portable and installed oxygen systems - 1 each.
    - Both with cylinder pressure gauge.
    - Both with adjustable liter flow meter.
    - Portable oxygen tanks must be secured in the vehicle.
  - C. Oxygen administration supplies.
    - Nasal cannula (3 - adult, 2 - peds).
    - Non-rebreathing masks (3 - adult, 2 - peds).
    - Oxygen tubing.

- D. Pocket Mask.
  - With one-way valve and oxygen inlet.
- E. Bag-valve masks (250cc, 500cc, and 1000cc) - 1 each.
  - Hand-operated, self-refilling bags.
  - With oxygen reservoir.
  - Clear masks (adult, child, infant and neonatal sizes) - 1 each.
- F. Airways.
  - Nasopharyngeal (sizes 12, 16, 20, 28, 34F).
  - Oropharyngeal (sizes 0 through 5).
  - Lubricating jelly.
- 2. Defibrillation.
  - A. Automatic external defibrillator (**not required if vehicle is always ALS staffed.**)
- 3. Immobilization devices and equipment.
  - A. Cervical collars.
    - Rigid (sizes 2 each of large, medium, small, child and infant).
    - May substitute: 3 adult-adjustable and 2 pediatric-adjustable.
  - B. Head/cervical immobilization devices - 2.
    - Towel/blanket rolls are acceptable substitute.
    - Sandbags are not an acceptable substitute.
  - C. Short spine immobilization device.
    - KED® XP-1® or equivalent.
    - Short spine board is not an acceptable substitute.

- D. Radiolucent full-length backboards - 2.
    - With three 9-foot straps or equivalent (SpiderStrap<sup>®</sup>, etc).
    - Scoop stretcher is not an acceptable substitute.
  - E. Traction splint (adult and child).
    - Mechanical traction.
    - Padded ankle hitch.
    - Padded pelvic support.
  - F. Padded extremity splints or acceptable substitute (vacuum splints, etc.).
  - G. Pediatric spinal immobilization device.
4. Bandages.
- A. Sterile burn sheet - 2.
  - B. Band-aids - 1 box.
  - C. Dressings.
    - Sterile multi-trauma dressings - 4.
    - Sterile 4x4s - 25.
    - Occlusive dressings - 4.
  - D. Triangular bandages - 2.
  - E. Self-adhering gauze bandages (Kling<sup>®</sup> or equivalent) - 8 each.
  - F. Elastic bandages - 2.
    - Non-sterile.
  - G. Adhesive tape - 4.
    - Should include hypoallergenic/non-latex.

5. Communication.
  - A. Two-way radio communication.
    - Between unit and dispatcher.
    - Between unit and medical command.
  - B. Cellular telephone.
    - Optional.
6. Obstetrical.
  - A. Sterile OB kit - 2.
  - B. Thermal absorbent blanket and head cover or aluminum foil roll.
7. Medications.
  - A. Aspirin, 81mg tablets, chewable - 1 bottle.
  - B. Oral glucose, 15gm - 2 tubes.
  - C. Activated charcoal suspension, 50gm, 2 bottles.
8. Miscellaneous.
  - A. Blood pressure cuff.
    - Adult, child, infant and thigh sizes.
  - B. Stethoscope.
    - Suitable for adults and pediatrics.
  - C. Thermometer.
    - Capability of measuring a range of 86° - 105° F.
  - D. Heavy-duty bandage scissors or paramedic shears.
  - E. Cold packs - 4.
  - F. Hot packs - 4.

- G. Sterile saline solution for irrigation - 1000 ml minimum.
- H. Flashlights - 2.
- I. Blankets - 2.
- J. Sheets, linen or paper - 4.
- K. Pillows - 2.
- L. Towels - 2.
- M. Disposable bedpan - 1.
- N. Disposable urinal - 1.
- O. Wheeled cot with 3 straps.
- P. Stair chair or suitable substitute (rescue seat, Evac-Lift<sup>®</sup>, etc.).
- Q. Disposable, splash resistant emesis basins or bags (Convenience<sup>®</sup> bag, etc.).
- R. Impermeable body bag.
- S. Pneumatic anti-shock trousers.
  - Adult.
  - Pediatric - optional.
- T. Pulse oximeter.
  - **Optional** for BLS, **required** for ALS.
- U. Glucometer.
  - **Optional** for BLS, **required** for ALS.
- V. Patient care reports.
- W. Protocol manual(s).
- X. Triage tags.

- Y. Non-invasive vital signs monitor.
  - Optional.
- 9. Infection control equipment (latex-free equipment should be available).
  - A. Protective eye wear.
    - Goggles, full-peripheral glasses, or face masks.
  - B. Protective face masks.
  - C. Protective gowns.
  - D. Shoe covers.
  - E. HEPA TB masks, NIOSH N 95, appropriate sizes and quantity.
  - F. Bio-hazard trash bags.
  - G. Exam gloves, appropriate sizes and quantities.
  - H. Disinfectant hand wash.
  - I. Disinfectant solution for cleaning equipment.
- 10. Injury prevention and safety equipment.
  - A. Emergency Response Guidebook, *Jane's Chem-Bio Handbook*, *Emergency Response to Terrorism Job Aid*, latest editions - 1 each.
  - B. Protective helmet (meets or exceeds ANSI Z89.1 standards).
    - 1 per crew member.
    - With eye protection, attached or separate.
  - C. Protective coat or vest with reflective material.
    - Minimum - vest with reflective material.
    - 1 per crew member.

- D. Gloves.
  - Heavy duty, leather.
  - 1 pair per crew member.
- E. If agency is fire department, turnout gear is an acceptable substitute, if gear is provided for all members.
- F. Fire extinguisher.
  - 2A 10BC minimum.
- G. Infant car seat.
  - Optional.
- H. Chemical light sticks or acceptable substitute (reflective triangles, etc.).
  - Flares are **not** an acceptable substitute.
- I. Large sharps container.

### **Advanced Level Equipment and Supplies**

Includes all items listed for the basic life support requirements **plus** the following additional equipment and supplies.

- 1. Vascular access.
  - A. IV administration sets.
    - Mini-drip - 6.
    - Macro-drip - 6.
    - Extension sets - 6.
  - B. IV catheters.
    - 14G, 16G, 18G, 20G, 22G, 24G - 2 each.

- C. Normal saline crystalloid solution.
    - 1000cc bags - 2.
  - D. Syringes.
    - 1cc, 10cc, 30cc - 2 each.
  - E. Needles.
    - Assorted sizes 19G - 25G.
  - F. Intraosseous infusion needle.
  - G. Pediatric equipment and drug dosage reference chart (Broselow<sup>®</sup> tape, Pedi-Wheel<sup>®</sup>, etc.).
  - H. Anti-septic solutions.
    - Alcohol wipes and/or povidone wipes.
  - I. Small sharps container in IV/drug kits.
  - J. Blood - sample tubes and supplies.
  - K. Saline lock hubs and flushes - 10 each.
  - L. Small sharps container in IV/drug kits.
  - M. Infusion pump.
    - Optional.
2. Airway and ventilation equipment.
- A. Laryngoscope handle.
    - Extra bulbs.
    - Extra batteries.
  - B. Laryngoscope blades.
    - Sizes 0, 1, 2, 3, and 4 - straight.
    - Sizes 3 and 4 - curved.

- C. Endotracheal tubes.
    - Sizes 3.0 - 5.5, uncuffed - 2 each.
    - Sizes 6.0 - 8.5, cuffed - 2 each.
    - Stylettes, adult and pediatric.
  - D. Magill forceps.
    - Adult and pediatric.
  - E. Meconium aspirator.
    - Oral suction types are **not** acceptable.
    - Bulb syringes are **not** acceptable substitutes.
  - F. Combi-tubes - 2.
  - G. Naso-gastric (Salem pump type) tubes (sizes 8, 12, 18F) - 2 each.
  - H. End tidal CO2 detectors.
    - Adult and pediatric.
    - Colormetric or quantitative.
  - I. Nebulizer kits - 4.
  - J. Automatic ventilator.
    - Optional.
  - K. Manual positive pressure ventilator (demand valve).
    - Optional.
3. Cardiac.
- A. Portable ECG monitor - defibrillator.
    - Display screen and printer.
    - Pediatric paddles and electrodes.

- B. Transcutaneous cardiac pacemaker.
- C. 12- lead ECG.
  - Optional.

## Class 4 Drugs

Drug	Description	Minimum Amount	Minimum Number of Containers
Acetaminophen ( <i>Tylenol</i> )	160 mg/5ml oral suspension <b>and</b> if proper storage available: 120 mg rectal suppositories		1 bottle
Activated Charcoal	50 gm bottle	100 grams	2
Adenosine		30 mg	2
Albuterol Sulfate (0.083%) ( <i>Proventil, Ventolin</i> ) for Inhalation Therapy	2.5 mg in 3 ml (premixed)	10 mg	4
Aspirin	81 mg chewable baby aspirin tablet		1 bottle
Atropine Sulfate Injection	1 mg in 10 ml syringe	3 mg	3
Dextrose (50%) Injection	25 gm in 50 ml syringe	50 gm	2
Dextrose (25%) Injection	2.5 gm in 10 ml syringe	5.0 gm	2
Diazepam ( <i>Valium</i> ) Injection	10 mg/2 ml (5 mg /1 ml)	10 mg	2
Diphenhydramine Hydrochloride ( <i>Benadryl</i> ) Injection	50 mg	100 mg	2
Dopamine ( <i>Intropin</i> ) Premix Solution	400 mg/250 ml D5W	800 mg	2
Epinephrine (1:10,000) Injection	1 mg in 10 ml syringe	5 mg	5
Epinephrine (1:1000) Injection	1 mg in 1 ml ampule		2
Furosemide ( <i>Lasix</i> ) Injection		100 mg	2
Glucagon	1 mg vial	1 mg	1
Ipratropium Bromide ( <i>Atrovent</i> )	0.02% (500 mcg) unit dose		2

<b>Drug</b>	<b>Description</b>	<b>Minimum Amount</b>	<b>Minimum Number of Containers</b>
Lidocaine Hydrochloride Injection	100 mg in 5 ml syringe	300 mg	3
Lidocaine Hydrochloride Premix Solution	2 gm in 500 ml D5W	2 gm	2
Morphine Sulfate Injection	10 mg/5 ml	20 mg	2
Naloxone Hydrochloride ( <i>Narcan</i> ) Injection		4 mg	2
Nitroglycerin ( <i>Nitrostat</i> )	0.4 mg (1/150) tablet sublingual <u>or</u> spray		1 bottle
Normal Saline Flush (0.9%)	1 to 2 ml	10 ml	5
Normal Saline	IV Solution Bag	6000 ml	6
Oral Glucose	Tube	30 gm	2
Promethazine ( <i>Phenergan</i> )		25 mg	2
Sodium Bicarbonate Injection	50 mEq in 50 ml syringe	10 mEq	2
Thiamine Hydrochloride	100 mg in 1 ml vial	200 mg	2