**COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT**

**Health Facilities and Emergency Medical Services Division**

**EMERGENCY MEDICAL SERVICES**

**6 CCR 1015-3Colorado EMS**

**Section 9 – Minimum Equipment Requirements**

9.1 Counties shall ensure that permitted ambulances are in compliance with the minimum equipment list for the type of service defined by their permits as defined in Sections 9.2 and 9.3 of these rules.

9.2 Minimum Equipment For Basic Life Support Ambulances

9.2.1 Ventilation And Airway Equipment

A) Portable suction unit, and a house (fixed system) or backup suction unit, with wide bore tubing, rigid pharyngeal curved suction tip, and soft catheter suction tips to include adult and pediatric sizes.

B) Bulb syringe and BBG suction catheter.

C) Fixed (house) oxygen and portable oxygen bottle, each with a variable flow regulator.

D) Transparent, non-rebreather oxygen masks and nasal cannula in adult sizes, and transparent, non-rebreather oxygen masks in pediatric sizes.

E). Hand operated, self-inflating bag-valve mask resuscitators with oxygen reservoirs and standard 15mm /21mm fittings in the following sizes:

1) For infant and neonate.

2) For children.

3) For adult.

4) Transparent masks for infants, neonate patients, children and adults.

F) Nasopharyngeal airways in adult sizes 24 FR. through 32 FR.

G) Oropharyngeal airways in adult and pediatric sizes to include: infant, child, small adult, adult and large adult.

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9.2.2 Patient Assessment Equipment

A) Blood pressure cuffs to include large adult, regular adult, child and infant sizes.

B) Stethoscope.

C) An illumination device capable of appropriately testing for pupillary reaction.

D) Pulse oximeter with adult and pediatric sensors.

9.2.3 Splinting Equipment

A) Lower extremity traction splint.

B) Upper and lower extremity splints.

C) Long board, scoop stretcher, vacuum mattress or equivalent with appropriate accessories to secure the patient from head to heels.

D) Short board, extrication device or equivalent, with the ability to secure the patient from head to pelvis.

E) Pediatric long board or adult long board that can be adapted for pediatric use.

F) Adult and pediatric head immobilization equipment.

G) Adult and pediatric cervical spine immobilization equipment.

9.2.4 Dressing Materials

A) Multiple bandages and dressings of various types and sizes, including occlusive dressings.

B) Sterile burn sheets.

C) Adhesive tape.

D) Arterial tourniquet.

9.2.5 Obstetrical Supplies

A) OB kit to include: towels, 4x4 dressings, umbilical tape or cord clamps, scissors, bulb syringe, sterile gloves and thermal absorbent blanket; and

B) Neonate stocking cap or equivalent.

9.2.6 Miscellaneous Equipment

A) Heavy bandage scissors, shears or equivalent capable of cutting clothing, belts, boots, etc.

B) At least one working flashlight.

C) Blankets.

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9.2.7 Communications Equipment

A) Two-way communications in good working order that will enable clear voice communications between ambulance personnel and the:

1) Ambulance service’s dispatch;

2) Medical control facility or the medical control physician;

3) Receiving facilities; and

4) Mutual aid agencies.

9.2.8 Body Substance Isolation (BSI) Equipment Properly Sized To Fit All Personnel

A) Non-sterile disposable latex free gloves.

B) Protective eyewear.

C) Non-sterile surgical masks.

D) Sharps containers and receptacles for the appropriate disposal and storage of medical waste and biohazards.

E) National Institute of Occupational Safety and Health (NIOSH) approved N-95 or superior particulate filtering respirator (mask), which can be of universal size.

9.2.9 Safety Equipment

A) A set of three (3) warning reflectors.

B) One (1) ten pound (10 lb.) or two (2) five pound (5 lb.) ABC fire extinguishers, with a minimum of one extinguisher accessible from the patient compartment and vehicle exterior.

C) Child protective restraint system that accommodates a weight range between five (5) and ninety-nine (99) pounds.

D) Appropriate protective restraints for patients, crew, accompanying family members and other vehicle occupants.

E) Properly secured patient transport system (i.e. wheeled stretcher).

F) Department approved triage tags.

9.2.10 Pharmacological Agents

A) Pharmacological agents and delivery devices per medical director approval.

B) Pediatric “length based” device for sizing drug dosage calculations and sizing equipment.

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9.2.11 Pediatric Reference Tool

A) One (1) pediatric drug dosage chart or tape: this may include charts listing the drug dosages in milliliters per kilogram, pre-calculated doses based on weight, or a tape that generates appropriate equipment sizes and drug doses based on the patient’s height or weight.

B) Vital signs.

9.3 Minimum Equipment Requirement For Advanced Life Support Ambulances

9.3.1 All equipment and supplies Listed In Section 9.2

9.3.2 Ventilation Equipment

A) Adult and pediatric advanced airway equipment per medical director approval.

B) Adult and pediatric Magill forceps.

C) End tidal CO2 monitor or detection device for determining advanced airway device placement.

9.3.3 Patient Assessment Equipment

A) Portable, battery operated cardiac monitor-defibrillator with strip chart recorder and adult and pediatric EKG electrodes and defibrillation capabilities.

B) Electronic blood glucose measuring device.

9.3.4 Intravenous Equipment

A) Adult and pediatric:

1) Intravenous solutions.

2) Administration equipment.

B) Intraosseous:

1) Access device.

2) Administration equipment.

C) Adult and pediatric intravenous arm boards.

9.3.5 Pharmacological Agents

A) Pharmacological agents and delivery devices per medical director approval.

B) Pediatric “length based” device for sizing drug dosage calculations and sizing equipment.