



North Carolina College of Emergency Physicians Standards for EMS Equipment**

- B.** The baseline equipment required in all systems (including Specialty Care Transport Programs) with EMS personnel credentialed at the specified level.
- S.** The equipment required in all Specialty Care Transport Programs (in addition to the baseline equipment required in all EMS Systems). All Air Medical Specialty Care Transport Programs and dedicated Neonatal Transport Programs are required to carry and maintain equipment and medications specific to each mission, as defined by medical control and OEMS approved protocols.
- O.** The equipment, which is optional for any system with EMS personnel, credentialed at the specified level.

EMS Equipment	Conv.	EMT	EMT-I	EMT-P
Ventilation and Airway Equipment				
Bag Valve Mask (adult and child size bag with Adult/Child/Infant/Neonatal masks)	B	B	B	B
Bulb Syringe	O	B	B	B
Blind Insertion Airway Device (BIAD) with 2 sizes (one adult and one pediatric)		B	B	B ¹
Cricothyroidotomy (Surgical) equipment				B ¹
Endotracheal tubes (ETT)(3 adult and 3 pediatric sizes)			B	B
Capnometry (Color) ETCO2 detectors		B ²	B ²	B ²
Laryngoscope blades (3 adult and 3 pediatric sizes)			B	B
Laryngoscope handle with extra batteries, and extra light source (bulbs or handle if using fiberoptic)			B	B
McGill forceps or equivalent with 2 sizes (one adult and one pediatric)			B	B
Meconium Aspirator adaptor			B	B
Nasal cannula for Oxygen Delivery with 2 sizes (one adult and one pediatric)	B	B	B	B
Nasopharyngeal airways (3 adult and 3 pediatric sizes)	B	B	B	B
Nebulizer		O ¹	B	B
Needle 3 inches or longer and 14ga or larger for Chest Decompression				B
Oropharyngeal airways (3 adult and 3 pediatric sizes)	B	B	B	B
Oxygen Mask (Non-Rebreathing) in 2 sizes (one adult and one pediatric)	B	B	B	B
Oxygen with variable flow regulator (Portable and Fixed)	B	B	B	B
Rigid pharyngeal suction device	B	B	B	B
Stylettes for Adult and Pediatric Endotracheal tube size			B	B
Suction apparatus (Portable and Fixed)	B	B	B	B
Suction catheters (one between 6 and 10F size, one between 12 and 16F size)	O	B	B	B
Syringe in 10ml size (non-luerlock)		B	B	B
Ventilator (Pressure or Volume based with PEEP)*				S, O
Wide-bore suction tubing	B	B	B	B
Monitoring and Defibrillation				
Automatic External Defibrillator with 2 pad sizes (one adult and one pediatric)	B	B	B	
Capnography (ETCO2) monitoring, continuous		B ⁴	B ⁴	B ⁴
Glucose Measuring Device		B	B	B
Pacemaker- External				B
Pacemaker-Transvenous				S
Monitor with 12 lead EKG		B ³	B ³	B
Monitor/defibrillator with electrodes and 2 sizes of pads or paddles				B
Pulse oximeter with 2 probe sizes (one adult and one pediatric)	O	B	B	B



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Immobilization Devices				
Cervical spine immobilization device in at least 3 sizes (small, medium, and large)	O	B	B	B, S ¹
CPR Board	B			
Femur traction device in at least 2 sizes (one adult and one pediatric)	O	B	B	B, S ¹
Head immobilization device	O	B	B	B, S ¹
Backboards, short and long with appropriate restraints (minimum of 3 straps)	O	B ⁵	B ⁵	B ⁵ , S ¹
Spinal immobilization and extrication device (one adult and one pediatric)	O	B	B	B, S ¹
Upper and Lower extremity immobilization devices	O	B	B	B, S ¹
Bandages				
Burn sheet	O	B	B	B
Cold packs	O	B	B	B
Dressings, bandages, gauze rolls, adhesive tape and 2 triangular bandages	B	B	B	B
Heavy scissors for clothing removal	B	B	B	B
Occlusive dressing	O	B	B	B
Sterile saline solution for irrigation (may use IV solution)	O	B	B	B
Medication Administration				
Alcohol wipes	O	B	B	B
Intraosseous needles in at least 2 sizes (one adult and one pediatric)				B
IV administration sets			B	B
IV arm boards			B	B
IV catheters in at least 4 sizes			B	B
IV pole/hook	O	O	B	B
Needles in various sizes (at least 1 must be 1.5 in. for IM injections)			B	B
Syringes in at least 3 sizes			B	B
Tourniquet		B	B	B
Obstetrical				
Sterile OB kit, scissors, bulb suction, cord clamps	O	B	B	B
Miscellaneous				
Bedpan and urinal	B	B ⁵	B ⁵	B ⁵
Length/weight based pediatric tape	B	B	B	B
Cellular phone	O	B	B	B
Emesis basins	B	B	B	B
Lubricating jelly	B	B	B	B
Gastric tubes (adult and pediatric sizes)				S, O
Sheets, pillows, pillow cases, and towels	B	B ⁵	B ⁵	B ⁵
Sphygmomanometer (cuffs and device) with at least 3 sizes (pediatric, normal adult, and large adult)	B	B	B	B
Stair chair/folding stretcher	O	B ⁵	B ⁵	B ⁵ , S ¹
Stethoscope	B	B	B	B
Thermometer with low temperature capability	O	B	B	B
Triage tags	O	B	B	B, S ¹
Wheeled cot with security for patient transport	B	B ⁵	B ⁵	B ⁵ , S ¹
Injury Prevention Equipment				
Thermal blanket or other heat conserving device	B	B	B	B
Infection Control				
Disinfectant hand wash	B	B	B	B
Disinfectant solution for cleaning equipment	B	B	B	B



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Disposable biohazard trash bags	B	B	B	B
Eye protection	B	B	B	B
Gloves, non-sterile	B	B	B	B
N-95 or HEPA Masks	B	B	B	B
Jumpsuits/gown	B	B	B	B
Latex Allergy Kit (If not using latex free equipment)****	B	B	B	B
Latex Free Gloves	B	B	B	B
Masks	B	B	B	B
Sharps containers (Fixed and Portable)	O	B	B	B
Shoe covers	B	B	B	B

Conv. = Convalescent Transport Program, EMT = Emergency Medical Technician, EMT-I = EMT-Intermediate, EMT-P = EMT-Paramedic

B¹ = Systems performing Drug Assisted Intubation must also have the ability to perform Surgical Cricothyrotomy. Commercial Cricothyrotomy or Tracheostomy kits that create an airway comparable to a surgical Cricothyrotomy are acceptable.

B² = All EMT-Basic, EMT-Intermediate and Paramedic Systems must at a minimum use Capnometry (Color) to confirm the placement of every BIAD or intubation. EMT-Paramedic systems performing Drug Assisted Intubation must use Capnography (numeric or waveform) to confirm tube placement. Waveform Capnography is recommended for this requirement.

B³ = It is not required but highly recommended that all EMS Systems at all levels, except Convalescent, work to have 12 lead ECG capability at the scene of every emergent event.

B⁴ = It is not required but highly recommended that all EMS Systems at all levels work to have waveform Capnography capability at the scene of every emergent event.

B⁵ = Equipment which is considered optional (not mandatory) to non-transport EMS vehicles.

S¹ = Specialty Care Transport Programs are not required to maintain this equipment on every response, but the equipment must be available on a case by case basis dependent on the patient care scenario.

O¹ = Required for EMT-Basic level agencies administering nebulizer Beta Agonists.

All Specialty Care Transport Programs which are listed in a counties primary 911 response plan or provide backup 911 primary response service, are required to maintain the same level of skills, medications and equipment which the county system maintains.

***For the purposes of this document, a “ventilator” is a ventilation device, which attaches to an endotracheal or tracheostomy tube. It is capable of ventilating by a pressure or volume delivery mechanism. It must have adjustments for respiratory rate, volume/pressure settings, and for assisted or full ventilation. It has the capabilities of PEEP or other pressure based manipulations. A “respirator” is any other device that assists with ventilations during a respiratory/cardiac arrest.**



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****All EMS Systems must carry at a minimum the equipment associated with the EMT Level unless functioning as a convalescent transport service.**

****All EMS Systems must carry pediatric and adult when size is important. Items that require pediatric sizes are shaded **ORANGE**.**

******A Latex Allergy Kit should be composed of all the necessary personal protection equipment and materials necessary to obtain and maintain IV access.**