

Critical Care Transport EMS Vehicle Equipment and Supply List

This is the minimum equipment and supplies required on-board during response and patient transport for ground and air CCT EMS transport vehicles. All equipment must be operational. When applicable, items must be sealed and within current expiration period. All supplies and equipment (i.e.: monitors/defibrillators, drug bags, etc.) must be in closed compartments or otherwise secured to restrict movement in the event of a vehicle crash. All oxygen cylinders must be secured with brackets that meet Ambulance Manufacturer's Division oxygen tank retention standard 003. Patient care equipment, supplies and oxygen storage in aircraft must be secured in accordance with FAA guidelines.

Item	Vehicle Type	
	Class D Ground	Class E Air
	Quantity	Quantity
A. Airway and Ventilation		
Fixed suction system, electric powered with disposable collection container and large bore tubing, assembled and ready for use	2	1
Portable suction unit, assembled and ready for use – manual units must be V-VAC or equivalent	1	1
Large bore rigid oral suction catheters – <i>Big Stick</i> or equivalent diameter devices	2	1
Flexible suction catheters – 6F, 10F and 14 F	2 each	2 each
Salem sump tubes – 8, 12 and 18 Fr. with irrigation syringe	2 each	1 each
Meconium aspirator adaptor for ET tubes	1	1
Suction connectors, “Y”	2	1
Suction connectors, 5 in 1	2	1
On-board O ² system (“M” size cylinder or equivalent) with 2 outlets	1	1
Adjustable liter flow regulators	2 each	1
Portable O ² system with non-gravity dependent liter flow regulator	1	1
Full spare portable O ² cylinder (“D” size or larger)	1	NA
Adult nasal cannula	2	2
Pediatric nasal cannula	2	1
Adult non-rebreather masks	2	2
Pediatric non-rebreather masks	2	1
O ² connecting tubing – may be with BVM or nebulizers	2	2
Nasopharyngeal airways – assorted sizes, 16 Fr – 34 Fr	1 set	1 set
Oropharyngeal airways – sizes 0 through 5	1 set	1 set
<i>King LT</i> airway sizes 2, 3, 4, 5 OR equivalent <i>LMA</i> airways, sizes: 1,2,3,4	1 each	1 each
Adult end-tidal CO ² detector – colorimetric	1	1
Pediatric end-tidal CO ² detector – colorimetric	1	1
Laryngoscope handle with extra batteries	1	1
Laryngoscope blades – 0 & 1 straight; 2, 3 and 4 straight or curved, with spare bulbs if applicable	1 each	1 each
ET tubes, sizes:	2 each	2 each
2.5 uncuffed	2 each	2 each
3.0 or 3.5 uncuffed	2 each	2 each
4.0 or 4.5 cuffed or uncuffed	2 each	2 each
5.0 or 5.5 cuffed or uncuffed	2 each	2 each
6.0 or 6.5 cuffed	2 each	2 each
7.0 or 7.5 cuffed	2 each	2 each
8.0 or 8.5 cuffed	2 each	2 each
Adult and pediatric Stylettes	1 each	1 each
Magill forceps, adult and pediatric	1 each	1 each

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Surgical cricothyrotomy set with 5.5 mm cuffed tube	2	2
Wayne pneumothorax kits, 10 fr.	2	2
Pocket mask with one-way valve	1	1
Adult and child bag valves, self-filling with O ² reservoir	1 each	1 each
Clear masks for bag valves, adult, child, infant, and neonatal	1 each	1 each
Portable ventilator with volume and pressure control, SIMV, AC, CPAP, pressure support, adjustable PEEP, adjustable peak flow, adjustable FIO ² range of 21% to 100%	1	1
Ventilator tubing sets, adult and pediatric – (2 total if tubing does both)	2 each	2 each
PEEP valves	2	2
Ventilator filters	2	2
Closed tracheal suction catheters	4	2
<i>Heimlich</i> valves	2	2
B. Monitoring and Assessment		
Blood pressure cuff – thigh, adult, child & infant	1 each	1 each
Stethoscope, suitable for adult and pediatric use	1	1
Glucometer with supplies (lancets must be single use, fully disposable types)	1	1
Doppler stethoscope with gel	1	1
Temperature monitoring device for skin, esophageal or rectal use	1	1
Patient monitoring system capable of cardiac rhythm monitoring, 12 lead acquisition, data transmission, end tidal CO ² waveform capnography, pulse oximetry, non-invasive blood pressure monitoring, arterial pressure monitoring, transcutaneous pacing, defibrillation and cardioversion with battery and AC power supply	1	1
Adult and pediatric defibrillation and transcutaneous pacing cables and pads	2 each	2 each
Cables, transducers, probes and supplies for ECG, CO ² , blood pressure, pulse oximetry and temperature monitoring.	---	---
C. Immobilization Equipment		
Rigid cervical collar – large, medium, small and child, OR adult and pediatric adjustable	2 each	1 each
Head/cervical immobilization devices - towel/blanket rolls are acceptable	2 sets	1 set
Short spinal immobilization device – (<i>KED XP-</i> , etc.)	1	NA
Radiolucent, impervious full-length backboards	2	NA
Three (3) 9-foot straps or equivalent (<i>Spider Strap</i> , etc)	2 sets	NA
Traction splints, adult and child – a single splint is acceptable if adjustable for both	1 each	NA
Padded extremity splints	2 each	NA
D. Wound Management		
Sterile burn sheets	2	2
Sterile 10" x 30" multi-trauma dressings	2	2
Sterile ABD Pads, 5" x 9" or 8" x 10"	2	2
Sterile 4"x 4"s	12	12
Sterile occlusive dressings, 3" x 8", or equivalent	2	2
Adhesive tape – assorted sizes – 1 roll must be hypoallergenic/latex-free	4 rolls	2 rolls
Self-adhering gauze bandages - <i>Kling</i> or equivalent	8 rolls	4 rolls
Triangular Bandages	4	NA

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Commercial arterial tourniquet – CAT, MAT, etc.	1	1
Heavy duty bandage scissors or shears	1	1
Sterile saline irrigation, 1000 ml total	---	NA
E. Infection Control - Quantities and sizes of following PPE sufficient for entire crew		
Protective eyewear - full peripheral glasses or goggles or face shield	---	---
NIOSH N-95 or N-100 face masks	---	---
Protective gowns or coveralls, shoe covers	---	---
Disposable exam gloves meeting NFPA 1999 requirements – assorted appropriate sizes, must include hypoallergenic/latex free types	---	---
Disinfectant waterless hand cleaner	---	---
Disinfectant for cleaning vehicle interior and equipment	---	---
Biohazard trash bags	2	1
Fixed and portable sharps containers	1 each	1
F. Medications		
Acetaminophen, 160 mg/5ml oral suspension	1 bottle	NA
Activated charcoal suspension, 25 gm	1	NA
Adenosine, 60 mg total	---	---
Albuterol, 2.5 mg/3 ml unit dose ampules	4	4
Amiodarone (<i>Cordarone</i>), 300 mg	2	2
Aspirin, 81 mg tablets, chewable	1 bottle	1 bottle
Atropine, 1 mg pre-loaded syringes	3	3
Calcium gluconate	1	1
Cimetidine (<i>Tagamet</i>), 300 mg	1	1
Clopidogrel (<i>Plavix</i>), 150 mg	2 tablets	2 tablets
D ⁵ W, 25 gm pre-loaded syringes	2	2
D ⁵ W, 250 ml bags	4	2
Diphenhydramine (Benadryl), 50 mg	---	2
Dopamine (<i>Intropin</i>) 400 mg pre-mixed solution	2	1
Epinephrine, 1:10,000, 1 mg pre-loaded syringes	10	6
Epinephrine, 1:1,000, 1 mg	2	2
Etomidate (<i>Amidate</i>), 20 mg	4	4
Fentanyl (<i>Sublimaze</i>), 100 mcg	6	4
Flumazenil (<i>Romazicon</i>), 0.5 mg	2	2
Furosemide (<i>Lasix</i>), 100 mg	2	2
Glucagon, 1 mg	1	1
Heparin sodium, 5,000 u	2	2
Ipratropium (<i>Atrovent</i>), 500 mcg unit dose ampules	2	2
Ketorolac (<i>Toradol</i>), 60 mg	2	2
Lidocaine (<i>Xylocaine</i>), 100 mg pre-loaded	3	3
Lidocaine (<i>Xylocaine</i>), 1gm pre-mixed solution	2	1
Lorazepam (<i>Ativan</i>) 4 mg	5	5
Mannitol (<i>Osmitrol</i>), 100 gm	2	1

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Methylprednisolone (<i>Solu-Medrol</i>), 125 mg	2	2
Midazolam (<i>Versed</i>), 5 mg	5	5
Morphine, 20 mg	4	2
Naloxone (<i>Narcan</i>) 0.4 mg	5	5
Nitroglycerin, 0.4 mg (1/150) tablets or spray	1 bottle	1 bottle
Normal saline (0.9%), 1,000 ml	4	4
Normal saline (0.9%), 10 ml vial	6	2
Normal saline (0.9%), 100 ml bags	6	2
Normal saline (0.9%), 250 ml bags	4	2
Norepinephrine (<i>Levophed</i>), 4 mg	4	2
Ondanestron (<i>Zofran</i>), 4 mg	4	4
Oral glucose, 15 gm tubes	2	NA
Ringer's Lactate, 1,000 ml	2	2
Sodium bicarbonate, 50 meq pre-loaded syringe	2	2
Succinylcholine (<i>Anectine</i>), 200 mg	5	5
Thiamine, 100 mg	2	1
Vecuronium (<i>Norcuron</i>), 10 mcg	6	4
Diltiazem (<i>Cardizem</i>), 25 mg – Class 1 only	6	4
Heparin, 10,000 u – Class 1 only	6	2
Humulin R insulin – Class 1 only	1	NA
Labetelol (<i>Normodyne</i>), 100 mg – Class 1 only	2	2
Metoprolol (<i>Lopressor</i>), 5 mg – Class 1 only	3	2
Nitroglycerin infusion, 50 mcg premixed – Class 1 only	2	1
Racemic epinephrine, 2.25%/ 0.5 ml – Class 1 only	2	2
Vasopressin (<i>Pitressin</i>), 20 u – Class 1 only	4	2
Bumetanide (<i>Bumex</i>), 4 mg – Optional	---	---
Cefazolin (<i>Ancef</i>), 1 gm – Optional - Class 1 only	---	---
Hetastarch (<i>Hespan</i>), 500 ml – Optional	---	---
Lanoxin (<i>Digoxin</i>). 0.5 mg – Optional	---	---
Magnesium Sulfate, 1 gm – Optional	---	---
Nitroprusside (<i>Nipride</i>), 50 mg – Optional – Class 1 only	---	---
Phenytoin (<i>Dilantin</i>), 250 mg – Optional - Class 1 only	---	---
Potassium Chloride, 20 meq – Optional - Class 1 only	---	---
G. OB Equipment		
Sterile OB kits with bulb syringe	2 each	NA
Thermal absorbent blanket, head cover and heat-reflective material	1	NA
H. Safety - Quantities and sizes of PPE sufficient for entire crew		
Protective helmet meeting ANSI Z89.1-2003 Type II, NFPA 1907-2007 or NFPA 1951-2007 standards OR FAA approved helmets for rotor wing aircraft	---	---
Protective eyewear meeting ANSI Z87.1-2003 standards	---	---
Protective gloves, extrication-type or heavy-duty leather	---	---
Current DOT Emergency Response Guidebook	1	1

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High visibility clothing compliant with 23 CFR Part 643 (Federal Highway Worker Visibility Act) meeting ANSI/ISEA 107-2004 class 3 requirements	---	---
<i>Pedi Mate</i> child occupant protection system	1	1
Fire extinguisher	1	1
Chemical light sticks or reflective triangles, etc.	4	NA
I. Miscellaneous		
AC power supply with sufficient output to run all on board portable electric equipment (inverter or generator)	1	1
Battery powered transvenous pacemaker with adjustable rate and milliamp settings	1	1
Blankets	2	1
Calculator	1	1
CCT treatment guidelines	1	1
Cellular phone	1	1
Cold packs	4	NA
Current drug reference manual	1	1
Disposable bedpan	1	NA
Disposable, splash resistant emesis bags – <i>Convenience</i> bag, etc.	4	4
Hot packs	4	NA
Impermeable body bag	1	NA
Pillow	1	1
Refrigerator with adjustable temperature controls for medications, blood products, etc.	1	NA
Sheets	4	1
Stair chair or suitable substitute	1	NA
Sterile gloves	6 pair	6 pair
Towels	2	2
WV triage tags	25	25
WV triage tape rolls – red, yellow, green and black	1 each	1 each
Wheeled stretcher or FAA approved stretcher with 5-point (over shoulder) patient restraint system	1	1
J. IV and Medication Administration		
IV administration sets – standard (10, 12 or 15 gtt/ml)	4	4
IV administration sets – minidrip (60 gtt/ml)	4	4
Extension sets (saline locks may meet this requirement if usable as an extension)	4	4
OR IN LIEU OF THE PREVIOUS 3 ITEMS <i>Select-3</i> IV administration sets	4	4
Saline locks and flushes	4 each	4 each
IV catheters (14, 16, 18, 20, 22 and 24 gauge)	2 each	2 each
<i>EZ IO</i> device with pediatric, adult and bariatric needles (2 each)	1	1
Blunt plastic cannula	10	4
Conical filters	2	1
3-way stopcocks	4	2
“Y” IV connectors	4	2
Blood administration tubing sets	4	2
Pressure infusion bags	2	2

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IV fluid warmer	1	1
Portable IV pump(s), AC and battery power, capability to provide 6 simultaneous infusions with independent flow settings.	1	1
Pump-compatible tubing sets	6	6
Nitroglycerine tubing	2	2
Nebulizer kits	4	2
Length/weight based pediatric drug & equipment reference - <i>Broeslow</i> tape or equivalent	1	1
Adequate parental site preparation materials – alcohol or providine preps, venous tourniquet	---	---
Needles, in appropriate quantities and sizes – one at least 1.5” for IM injections	---	---
Drug atomizers	2	2
Syringe, 1 ml	5	2
Syringe, 3 ml	10	2
Syringe, 10 ml	10	4
Syringe, 30 ml	2	2
Syringe, 60 ml Luer tip	2	2
Syringe, insulin	2	NA
IV ‘clip’ cannula	6	2
K. Two-Way Communications		
Between vehicle and dispatcher, and 911 Center if applicable	---	---
Between vehicle and regional medical command	---	---
Between vehicle and Statewide Medical Resource Coordination Center	---	---
For disaster operations	---	---
L. Optional Equipment and Supplies		
180° searchlight 400,000 cp	NA	---
Adult Pneumatic Anti-Shock Garment (MAST)	---	NA
Blood sample tubes and supplies	---	---
Elastic bandages	---	NA
Foley catheters, sizes: 12 fr, 14 fr, 16 fr, 18 fr	---	NA
Hemostatic dressings – <i>Quick Clot</i> or <i>Hemcon</i>	---	---
Light to illuminate tail rotor area (<i>Tel Tail</i> or equivalent)	NA	---
NVG equipped & certified	NA	---
Non-coring (<i>Huber</i>) needles	---	---
On board medical air supply with mixer – required only if providing neonatal transports	---	---
Pediatric spinal immobilization device	---	NA
Pressurized cabin (if flown at altitude above 10,000 feet)	NA	---
Urethral catheterization (<i>Foley</i>) kits with all necessary supplies for insertion and drainage bag	---	NA
TAWAS	NA	---
Twin-caths	---	---