

Proposed Changes (AMBULANCE)		Current Part 800.24 (AMBULANCE)		Difference
New Text	New	Current	Current Text	Change
<b>(a) Patient Transfer Equipment:</b>				
(1) Wheeled ambulance cot capable of supporting patients in the Fowlers position.	1	1	(a)(1) wheeled ambulance cot capable of supporting the patients in the Fowlers position;	
(2) A second rigid device capable of carrying a recumbent patient. Examples include a scoop stretcher, a backboard, and flexible stretchers with integrated support.	1	1	(a)(2) a device capable of carrying a second recumbent patient;	
(3) A device enabling ambulance personnel to carry a sitting patient over stairways and through narrow spaces where a rigid device (referenced in paragraph (2), above) cannot be used. The requirements of paragraphs (2) and (3) of this subdivision may be satisfied by use of one combination device capable of both operations.	1	1	(a)(3) a device enabling ambulance personnel to carry a sitting patient over stairways and through narrow spaces where a rigid litter cannot be used. The requirements of paragraphs (2) and (3) of this subdivision may be satisfied by use of one combination device capable of both operations;	
(4) All devices used to move or transport patients shall be secured using crash resistant fasteners in accordance with the requirements contained within section 800.22 of this Part.	1	1 (2 secured)	(a)(4) all litters and cots used to transport patients shall be secured using crash resistant fasteners. The ambulance shall be equipped with securing devices such that two patient carrying devices can be simultaneously secure; and	Removes specification requiring ability to secure to p/t carrying devices.
(5) All devices used to move or carry patients shall be equipped with safety restraints as recommended by the device manufacturer. In the absence of manufacturer guidance, any device used to move or carry a patient shall at least be equipped with three, two-inch wide web straps with fasteners to secure the patient to the device.	1 (Straps per Manufacturer OR min. of three 2" Straps)	1 (Two 2" Straps)	(a)(5) ambulance cots and other patient carrying devices shall be equipped with at least two, two-inch wide web straps with fasteners to secure the patient to the device and the cot.	Increases minimum strap requirements from 2 to 3.
(6) Age and / or size-appropriate restraint systems for patients 10lbs to 400lbs transported in ground ambulances. For pediatric patients, this should be according to the National Association of State EMS Officials "Pediatric Transport Products for Ground Ambulances" Version 2.3 (August, 2022). This document is incorporated by reference in section 800.24(b) of this Part. <a href="https://nasemsa.org/content.aspx?page_id=22&amp;">https://nasemsa.org/content.aspx?page_id=22&amp;</a>	1			NEW: Specifies capability requirements for restraint systems. For peds, must meet NASEMSO Guidelines
<b>(b) Airway and Oxygen Equipment/ Sudden Cardiac Arrest Resuscitation Equipment:</b>				
(1) A manually operated self-refilling adult-size bag valve mask ventilation device capable of operating with oxygen enrichment and clear adult-size mask with air cushion.	1	1	(b)(1) a manually operated self-refilling adult-size bag valve mask ventilation device capable of operating with oxygen enrichment, and clear adult-size masks with air cushion;	
(2) Oropharyngeal Airways in Size 0 (50mm), Size 1 (60mm), Size 2 (70mm), Size 3 (80mm), Size 4 (90mm), Size 5 (100mm), and Size 6 (110mm).	1 of each	4 Adult 6 Peds?	(b)(2) four oropharyngeal airways in adult sizes; (h)(4) two each oropharyngeal newborn, infant and child size airways;	New = Additional size OPAs
(3) Nasopharyngeal Airways in sizes 18fr, 20 fr, 24 fr, 28 fr, and 32 fr.	1 of each			New = Addition of NPAs
(4) FDA Approved Pulse Oximetry device with pediatric and adult capabilities.	1			New = Addition of Pulse Oximetry WITH Pediatric capability.
(5) Portable oxygen with a minimum 350-liter capacity (medical "D" size) with at least one pressure gauge, regulator and flow meter. The oxygen cylinders must contain a minimum of 1000 PSI pressure, be secured by a commercially produced mount, and in compliance with all federal Department of Transportation (DOT) hydrostatic test expiration dates.	2	1 of each	(b)(3) portable oxygen with a minimum 350 liter capacity (medical "D" size) with pressure gauge, regulator and flow meter and one spare cylinder, medical "D" size or larger. The oxygen cylinders must contain a minimum of 1000 PSI pressure;	New = Two portable tanks must be carried and must be secured using a commercial device.
(6) An in-ambulance oxygen system with a minimum 1200-liter capacity (two medical "E" size) with yoke(s), or CDC fitting, pressure gauges, regulators, and flow meters capable of delivering oxygen to two patients at two different flow rates of up to 15 liters per minute simultaneously. If a liquid oxygen system is used, manufacturer documentation must be provided that the system has at least a 1,200-liter capacity. The oxygen cylinders must contain a minimum of 500 PSI pressure, be secured by a commercially produced mount, and in compliance with all federal DOT hydrostatic test expiration dates.	1	1	(b)(4) an in-ambulance oxygen system with a minimum 1200 liter capacity (two medical "E" size) with yoke(s), or CDC fitting, pressure gauges, regulators and flow meters capable of delivering oxygen to two patients at two different flow rates of up to 15 liters per minute simultaneously.	New: Specifies minimum PSI for onboard tanks, requires them to be secured using a commercial device.
(7) Adult non-rebreather oxygen masks and adult nasal cannulas.	4 of each	4 of each	(b)(5) four each, non-rebreather oxygen masks, and four nasal cannulae;	
(8) Battery operated, portable suction equipment capable, according to the manufacturer's specifications, of producing a verified vacuum of over 300 millimeters of mercury when the suction tube is clamped. This will meet the requirement of paragraph (9), of this subdivision if this Table section if equipped to operate off the ambulance electrical system.	1 (Battery Operated)	Portable	(b)(6) portable suction equipment capable, according to the manufacturer's specifications, of producing a vacuum of over 300 millimeters of mercury when the suction tube is clamped. This will meet the 800.24(b)(7) requirement if equipped to operate off the ambulance electrical system;	New = Battery Operated suction Old = Portable Suction (non power was sufficient)
(9) Installed adjustable suction capable of producing a verifiable vacuum of over 300 millimeters of mercury when tube is clamped. A Powered Portable suction unit may serve as an installed unit if it operates on vehicle power, the unit can serve as a portable suction unit as long as it operates on battery power.	R	R	(b)(7) installed adjustable suction capable of producing a vacuum of over 300 millimeters of mercury when tube is clamped; and	

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(10) Rigid plastic wide bore pharyngeal tips individually wrapped. Examples include, but not limited to, Yankauer, DuCanto, and Hi-D.	2	2	(b)(8) two plastic Yankauer-type wide bore pharyngeal tips individually wrapped.	
(11) Soft sterile suction catheters in at least two adult sizes.	1 each			New = Addition of Soft Suction Catheters
(12) Automated External Defibrillator (AED) with equipment (at least two adult and one pediatric sets of defibrillator pads OR attenuator OR key) necessary to provide defibrillation for both adult and pediatric patients. An AED is not required if a device compliant with paragraph (7) of subdivision (i) of this Table is present on the vehicle.	1			New = AED Required
<b>(c) Immobilization and Trauma Patient Management Equipment</b>				
(1) Full size (at least 72 inches long and 16 inches wide) fluid impermeable backboard with necessary straps, as noted in Patient Transfer Equipment paragraph (5), capable of restricting spinal motion of a recumbent patient; may substitute any acceptable device that satisfies the requirements of Patient Transfer Equipment paragraph (2).	1	1	(c)(1) one full size (at least 72 inches long and 16 inches wide) backboard with necessary straps capable of immobilizing the spine of a recumbent patient;	
(2) Half-length fluid impermeable spinal immobilization device with necessary straps capable of restricting spinal motion of a sitting patient.	1	1	(c)(2) one half length spinal immobilization device with necessary straps capable of immobilizing the spine of a sitting patient;	
(3) Traction splinting device for the lower extremity.	1	1	(c)(3) one traction splinting device for the lower extremity; and	
(4) Devices in at least two sizes capable of securing injured joints or extremities in fixed position. Examples include: padded board splint, cardboard splint, vacuum splint, and commercial immobilizers. May include adjustable devices.	2 of each	6	(c)(4) two of each of the following size padded boards, with padding at least 3/8 inches thick: (i) 4 1/2 feet by 3 inches (ii) 3 feet by 3 inches or equivalent device (iii) 15 inches by 3 inches or equivalent device	New: Reduction in required number of splints. Allows for adjustable splints.
(5) Rigid extrication collars capable of limiting movement of the cervical spine of various size adult and pediatric patients. The devices must permit access to the patient's anterior neck when in place.	2 adult 2 pediatric	3 adult (possible 1 adult resizeable) 1 peds	(c)(5) one set of rigid extrication collars capable of limiting movement of the cervical spine. The set shall include large, medium and small adult-size rigid extrication collars which permit access to the patient's anterior neck; and (h)(9) one rigid extrication collar in pediatric size;	
(6) A device or devices capable of immobilizing the head of a patient who is secured to a long backboard.	1	1	(c)(6) a device or devices capable of immobilizing the head of a patient who is secured to a long backboard.	
(7) Flexible litter. Examples include, but are not limited to: MegaMover and poleless litters.	1			New = Addition of Flexible Litter
<b>(d) Infant and Pediatric Airway, Oxygen and resuscitation equipment and other Infant and Pediatric related equipment:</b>				
(1) Pediatric bag valve mask, equipped with oxygen reservoir system.	1	1	(h)(1) pediatric bag valve mask, equipped with oxygen reservoir system;	
(2) Clear face masks in newborn, infant and child sizes, inflatable rim (or mask with minimal under-mask volume) to fit pediatric bag valve mask, equipped with oxygen reservoir system.	1 of each size	1	(h)(2) clear face masks in newborn, infant and child sizes, inflatable rim (or mask with minimal under-mask volume) to fit above;	
(3) Pediatric nasal cannula and pediatric non-rebreather oxygen mask.	2 of each	2 of each	(h)(3) two each nasal cannula, and two each oxygen masks including non-rebreather in the pediatric size;	
(4) Sterile suction catheters in at least two pediatric sizes.	2 of each		(h)(5) sterile suction catheters, two each in sizes 5, 8 and 10 french;	Reduction in the number of Peds catheters from 6 to 4
<del>(5) Sterile or modified suction trap, or small bulb syringe.</del>		2	(h)(6) two sterile DeLee type suction catheters #10 or modified suction traps, or two small bulb syringes;	New =Removal of separate bulb syringe. Required in OB kit.
(5) Child and infant size blood pressure cuffs with gauge.	1 each	1 Child 1 Infant	(h)(8) child and infant size blood pressure cuffs with gauge(s);	
(6) <del>(7)</del> Pediatric stethoscope (interchangeable type acceptable). May be satisfied by any stethoscope with pediatric adapter diaphragm.	1	1	(h)(10) one pediatric stethoscope (interchangeable type acceptable);	
(7) <del>(8)</del> One commercially prepared infant swaddler.	Optional	1	(h)(11) one commercially prepared infant swaddler.	New: Swaddler now optional with requirement of carrying 2 blankets.
(8) <del>(9)</del> Emergency childbirth (OB) supplies in a kit, consisting of the following sterile supplies: disposable gloves; scissors or scalpel; umbilical clamps or tape; bulb syringe; drapes	1	1	(e) Emergency childbirth supplies in a kit, consisting of the following sterile supplies: (1) disposable gloves; (2) scissors or scalpel; (3) umbilical clamps or tape; (4) bulb syringe; (5) drapes; and (6) 1 individually wrapped sanitary napkin.	
(9) <del>(10)</del> A length-based resuscitation tape OR a reference material that provides appropriate guidance for pediatric drug dosing and equipment sizing based on patient length.	1			provides appropriate guidance for pediatric drug dosing and equipment sizing based on patient length

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<b>(e) Bleeding and Hemorrhage Control Equipment</b>				
(1) Sterile gauze pads 4 inches by 4 inches.	12	24	(d)(1) twenty-four sterile gauze pads 4 inches by 4 inches;	New: Reduction of 4x4 Pads from 24 to 12
(2) Rolls of adhesive tape in varying sizes.	4 Rolls total	3	(d)(2) three rolls of adhesive tape in two or more sizes;	New = 4 Rolls Totals Old = Assorted Size tape - 3 rolls required.
(3) Rolls of conforming gauze bandages in two or more sizes.	3 of each	10	(d)(3) ten rolls of conforming gauze bandages in two or more sizes;	New= Reduces in min. number of rolls from 10 to 6
(4) Sterile multi-trauma dressings.	2	2	(d)(4) two sterile universal dressings approximately 10 inches by 30 inches;	
(5) Sterile gauze pads, minimum size 5 inches by 9 inches.	6	10	(d)(5) ten large sterile dressings 5 inches by 9 inches minimum;	New= Reduces in min. 5x9 Gauze frm 10 to 6
(6) Trauma shears.	1	1	(d)(6) one pair bandage shears;	
(7) Sterile bed-size burn sheet.	2	2	(d)(7) two sterile bed-size burn sheets;	
(8) Triangular bandages.	6	6	(d)(8) six triangular bandages;	
(9) Minimum of 500ml sterile normal saline in plastic container(s). May be in more than one container to comply.	1	1	(d)(9) one liter of sterile normal saline in plastic container(s) within the manufacturer's expiration date; and	New= Reduces min amount of saline from 1liter to 500ml
(10) Commercial chest seal.	2	1	(d)(10) roll of plastic or aluminum foil or equivalent sterile occlusive dressing	New = Requirement for commercial chest seal
(11) Commercial windlass tourniquet at least 1-inch in width. Examples include, but are not limited to: CAT, SOFT-T, SOFT-T Wide, and SAM XT.	4			New = Addition of Commercial Tourniquets
<b>(f) Miscellaneous and Special EMS Equipment in clean and sanitary condition:</b>				
(1) Linen on wheeled ambulance cot.	R	R	(f)(1) linen and pillow on wheeled ambulance cot and spare pillow, two sheets, two pillow cases, and two blankets;	
(2) Cloth towels.	4	4	(f)(2) four cloth towels;	
(3) Pillow (covered or disposable).	1	2	See (f)(1)	New = Removal of spare pillow requirement
(4) Cloth or disposable pillow case.	2	2	See (f)(1)	
(5) Cloth or disposable sheet.	4	2	See (f)(1)	New= Increased number of sheets from 2 to 4.
(6) Cloth or disposable blanket.	2	2	See (f)(1)	
(7) Facial tissues.	1 box	1 box	(f)(3) one box facial tissues;	
(8) Emesis containers, emesis bag, or equivalent.	2	2	(f)(4) two emesis containers;	
(9) Adult and large adult size blood pressure cuff with gauge.	1 each	1	(f)(5) one adult-size blood pressure cuff with gauge;	New = Additional of Large Sized Adult BP Cuff. Child & Infant BP Cuff requirement specified in (d)(5)
(10) Adult stethoscope.	1	1	(f)(6) stethoscope;	
(11) A thermometer capable of measuring a reasonable temperature range of non-hypothermic patients.	1			New = Addition of a thermometer
(12) Carrying case or bag for essential emergency care equipment and supplies.	1	1	(f)(7) carrying case for essential emergency care equipment and supplies	
(13) Chemical cold pack	2	4 cold	(f)(8) four chemical cold packs;	New = Reduction of Cold Packs from 4 to 2
(14) Chemical hot pack.	Optional, 2 if present			New = Addition of optional Hot Packs
(15) Single-use, water based lubricating jelly.	4			New = Addition of water based lubricating jelly.

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(16) Eye protections for droplet / splash exposure. Examples include goggles and face shields.	2 pairs	2 pairs	(f)(11) two sets masks and goggles or equivalent;	New = Addition of eye protection / splash exposure	
(17) Latex-free, disposable exam gloves in sizes small, medium, and large.	10 pairs each	2 pairs	(f)(12) two pair disposable rubber or plastic gloves;	New = Replacing rubber gloves with non-latex exam gloves	
(18) Flashlight with batteries.	1	1	(g)(2) one battery lantern in operable condition; and		
(19) Triage tags, or equivalent, for at least 20 patients.	R			New = Addition of Triage Tags	
<b>(g) Safety Equipment</b>					
(1) Six flares or three Federal DOT approved reflective road triangles or equivalent.	R	R	(g)(1) six flares or three U.S. Department of Transportation approved reflective road triangles;		
(2) One Underwriters' Laboratory rated five-pound U.L.-rated ABC chemical fire extinguisher or any extinguisher having a U.L. rating of 10BC.	1	1	(3) one Underwriters' Laboratory rated five pound U.L.-rated ABC chemical fire extinguisher or any extinguisher having a U.L. rating of 10BC.		
(3) Portable, passive monitoring CO detector with real-time visual and audible alerts for the presence of high level CO.	1			New = Addition of CO Detector	
(4) High visibility/retroreflective traffic vests.	4			New = Addition of Vests	
<b>(h) Required BLS Medications and adjuncts:</b>					
(1) Adult Epi Pen or Syringe Epinephrine.	2 doses			New = Addition of Adult Epi	
(2) Pediatric Epi Pen or Syringe Epinephrine.	2 doses			New = Addition of Pediatric Epi	
(3) Aspirin.	2 doses			New = Addition of Aspirin	
(4) Naloxone (or equivalent).	2 doses			New = Addition of naloxone	
(5) Albuterol.	4 doses			New = Addition of Albuterol	
(6) Nebulizer capable of delivering medication to adult and pediatric patients.	2 doses			New = Addition of Nebulizer Masks	
(7) CPAP and at least two different adult size masks.	Optional BLS, 1 Each Size ALS			New = Addition of CPAP option for BLS, Requirement for ALS	
(8) Blood Glucose monitoring equipment.	R			New = Addition of Glucometer	
(9) Liquid Glucose or equivalent.	1 dose	1	(f)(13) one liquid glucose or equivalent;		
<b>(i) Required ALS Medications and adjuncts if vehicle is operating as ALS vehicle:</b>					
(1) Direct and / or video laryngoscopy equipment.	R			Added - For ALS Units Only	
(2) Adult and pediatric endotracheal tubes.	R			Added - For ALS Units Only	
(3) Magill forceps, adult and pediatric.	R			Added - For ALS Units Only	
(4) Supraglottic airways in appropriate sizes for adult and pediatric patients.	1 Each Size			Added - For ALS Units Only	
(5) Adult chest decompression needle - minimum size 14ga x 3.25 inch.	2			Added - For ALS Units Only	
(6) Pediatric chest decompression needle - minimum size 14ga x 1.5 inch.	R			Added - For ALS Units Only	
(7) A device capable of performing automatic or manual defibrillation, cardiac rhythm monitoring (at least three leads), 12-lead ECG acquisition, and transcutaneous pacing.	R			Added - For ALS Units Only	
(8) A device capable of continuous waveform capnography.	R			Added - For ALS Units Only	
(9) Medications required to perform care as directed by approved protocols.	R			Added - For ALS Units Only	

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(10) All devices and supplies necessary to administer medications required by protocol in sizes to fit neonate, infant, child, and adult patients.	R			Added - For ALS Units Only
(11) Isotonic crystalloid fluids and administration tubing capable of adjustable fluid delivery rate.	R			Added - For ALS Units Only
(12) A device to provide pressure infusion of IV fluids.	R			Added - For ALS Units Only
(13) A device that limits risk of inadvertent fluid over-administration for pediatric patients.	R			Added - For ALS Units Only
<b>REMOVED ITEMS</b>				
		1	(f)(9) one male urinal;	REMOVED
		1	(f)(10) one bed pan;	REMOVED
		6	(f)(14) six sanitary napkins individually wrapped; and	REMOVED
		1	(f)(15) one pen light or flashlight.	REMOVED
		1	(h)(7) one sterile single-use disposable oxygen humidification setup;	REMOVED

**Additional Notes**

800.24 (c) Specifies Definitions for "Clean", "Sterile" and "Operable"

800.24(e) Specifies securing of ALS equipment to prevent access to a BLS provider, when an ALS equipped vehicle is in use for BLS purposes

800.24(g) Specifies requirement for security of vehicles