MASSACHUSETTS
OFFICE OF EMERGENCY MEDICAL SERVICES
DEPARTMENT OF PUBLIC HEALTH

ADMINISTRATIVE REQUIREMENT MANUAL

EFFECTIVE DATE: June 16, 2025 **AUTHORIZATION**: Susan Lewis, Director

TITLE: Basic Life Support (BLS) Equipment List

SUPERSEDES: June 1, 2022

General Principles

A. **REGULATORY AUTHORITY:** 105 CMR 170.455, 170.460, 170.470

B. **AUTHORIZED EQUIPMENT:** Ambulance services must carry equipment and medications as required by Statewide Treatment Protocols. Ambulance services should not equip ambulances with equipment that is outside of scope of practice of its EMT employees, or outside of the service's level of licensure.

C. **PERFORMANCE STANDARDS**: All equipment must be designed and constructed to meet medical performance objectives and must not endanger patients.

D. **MAINTENANCE**: **All equipment and supplies must be maintained and used according to manufacturers' specifications**, including but not limited to, for storage, expiration date and replacement. Services must keep records of preventive maintenance and repairs for all equipment, including service-level and third-party inspection and maintenance records.

E. **SPECIFICATIONS:** All equipment must be latex free. Disposable is preferred unless otherwise specified.

ITEM	#	DESCRIPTION	MIN. SIZE PER ITEM	TOTAL QUANTITY	CLASS				CC
					I	II	IV	V	
First-In Kit/Bag	1.1	First-In kit items may be incorporated into other units (i.e., portable oxygen unit) and vice versa. Each first-In kit must include the following:		1	I	II	IV	V	CC
	1.2	Oropharyngeal airways (individually wrapped and sterile)	ADULT CHILD INFANT	2 ea.	I	II	IV	V	CC
	1.3	Small dressings gauze (sterile)	4" x 4"	4	I	II	IV	V	CC
	1.4	Medium dressings gauze (sterile)	5" x 9"	4	I	II	IV	V	CC
	1.5	Large dressings gauze (sterile)	10" x 30"	2	I	II	IV	V	CC
	1.6	Hemostatic dressing approved by the Committee on Tactical Combat Casualty Care		4	I	II	IV	V	CC
	1.7	Soft roller, self-adhering bandage	4" x 5 yds	2	I	II	IV	V	CC
	1.8	Bio-occlusive dressing with one-way release valve (individually packaged)		1	I	II	IV	V	CC
	1.9	Cravats/triangular bandages	40" wide	4	I	II	IV	V	CC
	1.10	Tourniquets approved by the Committee on Tactical Combat Casualty Care for control of arterial bleeding		2	I	II	IV	V	CC
	1.11	Adhesive tape (2") hypoallergenic	5 yds	1	I	II	IV	V	CC
	1.12	Bandage scissors (7") or equivalent		1	I	II	IV	V	CC
	1.13	Sphygmomanometer	ADULT	1	I	II	IV	V	CC
	1.14	Stethoscope		1	I	II	IV	V	CC
	1.15	Penlight-type flashlight		1	I	II	IV	V	CC
	1.16	Sterile water or saline solution (in an unbreakable container)	500 ml	1	I	II	IV	V	CC
	1.17	Bulb syringe (sterile/wrapped) 3oz for irrigation purposes		1	I	II	IV	V	CC

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					I	II	IV	V	
	1.18	Cold packs (instant)		2	I	II	IV	V	CC
	1.19	Carbon Monoxide monitor (CO monitor) for measuring ambient air		1	I	II	IV	V	CC
	1.20	Adhesive bandages (i.e. Band-Aids)	3/4"	6	I	II	IV	V	CC
	1.21	Exam type gloves (disposable only)		2 pairs	I	II	IV	V	CC
	1.22	Glucometer (kit with control solution, test strips, antiseptic wipes, small gauze, and Band-Aids)		1	I	II	IV	V	CC
	1.23	Lancets (single use, self-retracting)		8	I	II	IV	V	CC
	1.24	Sharps Container (OSHA approved)			I	II	IV	V	CC
Portable Oxygen Unit	2.1	Oxygen cylinder	D or E	1	I	II	IV	V	CC
	2.2	Oxygen cylinder pressure gauge and regulator capable of delivering a range of 0-25 LPM		1	I	II	IV	V	CC
	2.3	Bag-valve mask (BVM) device with oxygen supply reservoir (hand-operated, single use, with HEPA filter). Child/infant BVMs must include PEEP. Each adult and child BVM/mask size must be SAME SIZE. For infant BVMs, both infant and neonate masks must be carried.	BVMs: ADULT CHILD INFANT Masks for BVMs: ADULT CHILD INFANT NEONATE	1 ea.	I	II	IV	V	CC
	2.4	Pulse Oximetry		1	I	II	IV	V	CC
	2.5	Non-Rebreather: High concentration oxygen masks with delivery tubes	ADULT PEDI	2 ea.	I	II	IV	V	CC
	2.6	Nasal cannula with delivery tube	ADULT	2	I	II	IV	V	CC
	2.7	Cylinder wrench or wheel secured to unit		1	I	II	IV	V	CC
	2.8	Spare oxygen cylinder (must be accessible from patient compartment, not part of a kit or stretcher. All spare cylinders must be stored in crash stable devices per AR 2-405 minimum specifications for ambulance vehicles.)	D or E	1	I	II	IV	V	CC

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					I	II	IV	V	
Portable Suction Unit	3.1	Portable suction apparatus (battery powered), with charging cable, spare battery, or otherwise maintained in an operational state, capable of delivering minimum vacuum of minimum vacuum of 500 mm of mercury. A collection bottle (disposable preferred) of at least 250 ml shall be provided with (1) spare of the same size.		1	I	II	IV	V	CC
	3.2	Wide bore suction tubing (transparent/translucent, non-kinking)		1	I	II	IV	V	CC
	3.3	Semi-rigid pharyngeal suction tip		1	I	II	IV	V	CC
	3.4	Collection bottle or bag (non-breakable, disposable transparent)	550 ml	1	I	II	IV	V	CC
	3.5	Exam-type gloves (disposable only)		1 pair	I	II	IV	V	CC
	3.6	French suction catheter	14 Fr	1 ea.	I	II	IV	V	CC
Automatic External Defibrillator	4.1	AED appropriate to ambulance staffing configuration, with appropriate accessories to provide care in accordance with the Statewide Treatment Protocols and ILCOR/CoSTR standards		1	I	II	-	V	-
	4.2	AED Pads (manufacturer recommended)	ADULT PEDI	2 ea.	I	II	-	V	-
	4.3	Razor (disposable only)		1	I	II	-	V	-
Diagnostic Equipment	5.1	ADULT Sphygmomanometer	LG-ADULT ADULT	1 ea.	I	II	IV	-	CC
	5.2	PEDI Sphygmomanometer	CHILD INFANT	1 ea.	I	II	IV	V	CC
	5.3	Stethoscope		1	I	II	IV	-	CC
	5.4	Penlight-type flashlight		2	I	II	IV	-	CC
Installed Oxygen System	6.1	An installed oxygen system conforming to AR 2-405 minimum specifications for ambulance vehicles.		1	I	II	IV	-	CC
	6.2	Flow meters capable of delivering a range of 0-25 LPM (min.)		2	I	II	IV	-	CC

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Installed Suction	7.1	Electrically powered suction aspirator system furnished with an illuminated switch, and panel mounted (as required by AR 2-405 minimum specifications for ambulance vehicles)		1	I	II	IV	-	CC
	7.2	Collection bottle or bag (non-breakable, disposable transparent)	1000 ml capacity	1	I	II	IV	-	CC
	7.3	Spare collection bags when bag-type system is furnished		4	I	II	IV	-	CC
	7.4	Semi-rigid pharyngeal suction tip		2	I	II	IV	-	CC
	7.5	Wide-bore suction tubing (transparent/translucent, non-kinking)	1/4" diameter	2	I	II	IV	-	CC
	7.6	French suction catheters	6 Fr 8 Fr 14 Fr	2 each	I	II	IV	-	CC
Airway Management	8.1	Bag-valve mask (BVM) device with oxygen supply reservoir (hand-operated, single use, with HEPA filter). Child/infant BVMs must include PEEP. Each BVM/mask size must be SAME SIZE; however, for infant BVMs, both infant and neonate masks must be carried.	BVMs: ADULT CHILD INFANT MASKS: ADULT CHILD INFANT NEONATE	1 each	I	II	IV	-	CC
	8.2	Non-Rebreather: High concentration oxygen masks (transparent, disposable) with delivery tubes	ADULT PEDI INFANT	3 each	I	II	IV	-	CC
	8.3	Nasal cannula with delivery tube	ADULT PEDI	3 each	I	II	IV	-	CC
	8.4	Oropharyngeal airways (individually wrapped)	Sizes covering all patients and weight ranges	2 each	I	II	IV	-	CC

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					I	II	IV	V	
	8.5	Nasopharyngeal airways (individually wrapped)	20F 22F 24F 26F 28F 30F 32F 34F	1 each	I	II	IV	V	CC
	8.6	PEDI Nasopharyngeal airways (individually wrapped)	12F 14F 16F 18F	1 each	I	II	IV	V	CC
	8.7	Water soluble lubricant (single use package)		12	I	II	IV	V	CC
Glucometer Kit	9.1	Glucometer (with control solution; antiseptic wipes; small gauze; bandages)		1	I	II	IV	V	CC
	9.2	Glucometer test strips		8	I	II	IV	V	CC
	9.3	Lancets (single use, self-retracting)		8	I	II	IV	V	CC
Wound Care	10.1	Small dressings gauze (sterile)	4" x 4"	4	I	II	IV	-	CC
	10.2	Medium dressings gauze (sterile)	5" x 9"	4	I	II	IV	-	CC
	10.3	Large dressings gauze (sterile)	10" x 30"	2	I	II	IV	-	CC
	10.4	Soft roller, self-adhering bandage	4" x 5 yds	2	I	II	IV	-	CC
	10.5	Cravats / triangular bandages	40" wide	4	I	II	IV	-	CC
	10.6	Adhesive tape (1") hypoallergenic	5 yds	2	I	II	IV	-	CC
	10.7	Adhesive tape (2") hypoallergenic	5yrds	2	I	II	IV	-	CC
	10.8	Bandage scissors (7") or equivalent		2	I	II	IV	-	CC
	10.9	Sterile water or saline solution (in an unbreakable container)	3000cc total	3 containers min.	I	II	IV	-	CC
	10.10	Bioclusive dressing with 1-way release valve (individually packaged)		1	I	II	IV	-	CC
	10.11	Cold packs (instant)		4	I	II	IV	-	CC
Burn Kit	11.1	Burn sheets (sterile) linen or disposable		2	I	II	IV	V	CC

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Obstetrical Kit	12.1	Obstetrical kit (sterile) containing the following		2	I	II	IV	V	CC
	12.2	Large towel		1	I	II	IV	V	CC
	12.3	Receiving blanket, or equivalent		1	I	II	IV	V	CC
	12.4	Sterile disposable plastic or latex-free gloves		1 pair	I	II	IV	V	CC
	12.5	Sterile gauze pads	3" x 3"	6	I	II	IV	V	CC
	12.6	Kelly clamps or sterile ties		2	I	II	IV	V	CC
	12.7	Sanitary napkins		6	I	II	IV	V	CC
	12.8	Infant bulb syringe		1	I	II	IV	V	CC
	12.9	Bandage or surgical blade scissors		1	I	II	IV	V	CC
	12.10	Container with lid for carrying placenta		1	I	II	IV	V	CC
	12.11	Newborn swaddle system (i.e., space blanket, foil swaddle, or equivalent to retain body temperature)		1	I	II	IV	V	CC
(Commercial equivalent kit acceptable)									
Splints or equivalent immobilization devices	13.1	Traction splint (femur) device or equivalent; with ankle hitch and leg ties or equivalent. All accessory items to be stored with splints.	ADULT PEDI	1 each	I	II	-	-	CC
	13.2	Upper and Lower extremity immobilization devices (disposable recommended): Must be made of a rigid support material capable of immobilizing all four extremities, as well as the joint above and the joint below the fracture, in sizes appropriate for adults and pediatrics		1 each: Adult arm Adult leg Pediatric arm Pediatric leg	I	II	-	V	CC
Spinal Immobilization	14.1	Full spine board, with easily cleanable 9' straps or functional equivalent and sufficient padding to maintain in-line head & cervical support/stabilization with head strap (2" tape or equivalent)		1 board 4 straps	I	II	-	-	CC
	14.2	ADULT Cervical Collar (rigid) **Adjustable collar is equivalent to all 4 sizes**	NO-NECK SMALL MEDIUM LARGE	2 each	I	II	IV	V	CC

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	14.3	PEDI Cervical Collar (rigid) **Adjustable collar is equivalent to all 3 sizes**	CHILD TODDLER INFANT	2 each	I	II	IV	V	CC
(Accessories must be stored together near boards; all must be antibacterial/impervious to contaminates, or disposable)									
Stretcher	15.1	4-wheeled, multi-level ambulance cot		1	I	II	-	-	CC
	15.2	Standard cot mattress with waterproof cover		1	I	II	-	-	CC
	15.3	Patient restraining devices at chest (commercial shoulder harness or equal) hip, and knee to prevent lateral or longitudinal displacement of the patient during transport		1 set each	I	II	-	-	CC
	15.4	IV holder, capable of being cot mounted and holding 2 IV bags		1	I	II	-	-	CC
	15.5	Padded wrist and ankle restraints		1 set	I	II	-	-	CC
	15.6	For power- type units, one extra battery, and charger (as recommended by manufacturer)		1	I	II	-	-	CC
Stair Chair	16.1	Stair chair with patient restraint straps		1	I	II	-	-	-
	16.2	For power-type units, one extra battery, and charger (as recommended by manufacturer)		1	I	II	-	-	-
Auxiliary Stretcher	17.1	Auxiliary stretcher with patient restraint straps, or equivalent (i.e., orthopedic "scoop" stretcher, "Reeves"- type stretcher, long spine board)		1	I	II	-	-	CC
Transfer Sheet	18.1	Transfer sheet with a minimum of six (6) handles, or equivalent		1	I	II	-	V	CC
Accessories	19.1	ADULT bed pan urinal, large basin or equivalent		1 ea.	I	II	IV	-	CC
	19.2	Motion sickness bags, or equivalent, capable of being sealed		2	I	II	IV	V	CC
	19.3	Sheets (disposable or linen)		4 (I, II, CC) 1 (IV, V)	I	II	IV	V	CC
	19.4	Blankets		4 (I, II, CC) 1 (IV, V)	I	II	IV	V	CC
	19.5	Towels		4	I	II		-	CC

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					I	II	IV	V	
	19.6	Paper tissues (disposable)		1 package	I	II	IV	-	CC
	19.7	Drinking cups (disposable, individually wrapped)		2	I	II	IV	-	CC
	19.8	Trash bin liners, plastic (with ties)		2	I	II	IV	-	CC
	19.9	Biohazard bags (with ties)		2	I	II	IV	-	CC
	19.10	Ring Cutter (with extra blade)		1	I	II	IV	-	CC
	19.11	CPR board or functionally equivalent (i.e., short board or back plate of a mechanical CPR device): must have hard washable surface for patient torso and be accessible in patient compartment		1	I	II	IV	-	CC
	19.12	Child appropriate restraint device or combination of devices to provide safe transport of an infant/pediatric patient >2.3kg on stretcher		1	I	II	IV	-	CC
Personal Protection	20.1	Exam- type gloves (disposable only)	SMALL MEDIUM LARGE X-LARGE	1 box each	I	II	IV	V	CC
	20.2	NIOSH approved N95 Mask or better (disposable only)	All sizes per mfr.	3 each	I	II	IV	V	CC
	20.3	Facemask and protective eye wear (combination face mask/eye shield equivalent)		4 each	I	II	IV	V	CC
	20.4	Antiseptic hand sanitizer dispenser or 25 individually wrapped antiseptic hand wipes		1	I	II	IV	V	CC
	20.5	Infection control kit, containing two (2) each of disposable, fluid resistant gowns, masks, caps, protective eye wear, and two (2) different sizes of gloves		1 kit	I	II	IV	V	CC
Safety/Access Equipment	21.1	ANSI vest or equivalent (Class II/III)		2	I	II	IV	V	CC

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Vehicle Equipment	22.1	Warning Lights: Emergency warning beacon, visible 360 degrees, as permitted by M.G.L. c.90, s.7, or as required per AR 2-405 minimum specifications for ambulance vehicles			I	II	IV	V	CC
	22.2	Audible Warning Device: A siren, per AR 2-405 minimum specifications for ambulance vehicles & AMD Standard 023			I	II	-	V	CC
	22.3	Global positioning system (GPS) navigation system, and street directories and road maps for primary and backup areas served			I	II	IV	V	CC
	22.4	Fire Extinguishers: CO2 or dry pounder, UL approved. One fire extinguisher must be accessible from the patient compartment	5 lbs.	2 (I, II, CC) 1 (IV, V)	I	II	IV	V	CC
	22.5	Handlights: (6-volt/4.5-volt if rechargeable) bulb or LED or equivalent		2	I	II	IV	V	CC
	22.6	Road Reflectors (US DOT approved triangles or equivalent)		3	I	II	-	V	CC
	22.7	US DOT Emergency Response Guidebook (current edition) or electronic equivalent		1	I	II	IV	V	CC
	22.8	National Institute of Occupational Health & Safety (NIOSH) pocket guide to Chemical Hazards (current edition) or electronic equivalent		1	I	II	IV	V	CC
	22.9	Binoculars	7 x 35mm	1	I	II	IV	V	CC
	22.10	SMART triage tags		25	I	II	IV	V	CC
	22.11	Additional protective equipment to adequately safeguard crew from anticipated exposures as defined by the licensee			I	II	IV	V	CC

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Optional Equipment: Required Only for Services That Have Implemented Medical Director Options Under the Statewide Treatment Protocols									
BLS Bronchodilator Kit	23.1	Nebulizers with mouthpiece		2	I	II	-	V	-
	23.2	Facemasks	Adult Pedi	2 each	I	II	-	V	-
CPAP Kit	24.1	CPAP device with equipment to do inline nebulizer treatment. High pressure outlets needed at oxygen sources, if required by device	Masks: Small Medium Large	1 Kit 2 each Masks	I	II	-	V	-
Supraglottic Airway Kit	25.1	Supraglottic Airway	Sizes covering adult and large adult patients per mfr.	1 each	I	II	-	V	-
	25.2	Syringe for inflation of cuff (if required)		1	I	II	-	V	-
	25.3	Lubricant (water soluble)		1	I	II	-	V	-
	25.4	Commercial securing device (or equivalent)		1	I	II	-	V	-