

M A S S A C H U S E T T S

OFFICE OF EMERGENCY MEDICAL SERVICES

DEPARTMENT OF PUBLIC HEALTH

ADMINISTRATIVE REQUIREMENT MANUAL

EFFECTIVE DATE: January 15, 2023 **AUTHORIZATION:** W. Scott Cluett III, Director

TITLE: EMS First Response (EFR)-BLS Vehicle Equipment List

SUPERSEDES: "Emergency First Responder (EFR) Equipment and Supplies"

General Principles

- A. **STATUTORY AUTHORITY:** MGL c. 111C §3
- B. **REGULATORY AUTHORITY:** 105 CMR 170.410 and 170.480
- C. **AUTHORIZED EQUIPMENT:** Each EFR vehicle must carry all equipment required for the level of service at which it will be operating. Services must not equip EFR vehicles with equipment that is outside of the service's level of licensure and the vehicle's level of service. This AR is for use by an EFR service licensed at the BLS level or higher, and any licensed ambulance service operating an EFR vehicle at the BLS level.
- D. **MEDICATIONS:** All EFR vehicles at the BLS level must carry medications set out in Administrative Requirement 5-400 for BLS level ambulances.
- E. **PERFORMANCE STANDARDS:** All equipment must be designed and constructed to meet medical performance objectives and must not endanger patients.
- F. **MAINTENANCE:** All equipment and supplies must be maintained according to manufacturers' specifications with regard to maintenance, storage, expiration date, replacement, etc.

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

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	1.18	Cold packs (instant)		2
	1.19	Carbon Monoxide monitor (CO monitor) for measuring ambient air		1
	1.20	Adhesive bandages (i.e., Band-Aids)	3/4"	6
	1.21	Exam type gloves (single use, latex-free)		2 pairs
	1.22	Glucometer (kit with control solution, test strips, antiseptic wipes, small gauze, and Band-Aids)		1
	1.23	Lancets (single use, self-retracting)		8
	1.24	Sharps Container (self-closing)		1

Portable Oxygen Unit	2.1	Oxygen cylinder	D or E	1
	2.2	Oxygen cylinder pressure gauge and regulator capable of delivering a range of 0-25 LPM		1
	2.3	Bag-valve mask with oxygen supply reservoir (hand-operated, single use, with HEPA filter, pediatric/infant must include PEEP)	ADULT CHILD INFANT	1 each
	2.4	Pulse Oximetry		1
	2.5	Non-Rebreather: High concentration oxygen masks (transparent, disposable) with delivery tubes	ADULT PEDI	2 each
	2.6	Nasal cannula with delivery tube	ADULT	2
	2.7	Cylinder wrench or wheel secured to unit		1
	2.8	Spare oxygen cylinder. All spare cylinders to be maintained in vehicle, but 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

Portable Suction Unit	3.1	One manually operated suction device (such as V-Vac, Res-Q-Vac, or equivalent), OR Portable suction apparatus (battery powered) capable of delivering a minimum vacuum of 600 millimeters of mercury.		1
	3.2	Wide bore suction tubing (transparent/translucent, non-kinking)		1
	3.3	Semi-rigid pharyngeal suction tip		1
	3.4	Collection bottle or bag (non-breakable, disposable transparent)	550 ml	1
	3.5	Exam-type gloves (single use, latex-free)		1 pair

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	3.6	French suction catheter	14 Fr	1
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
	4.2	AED Pads	ADULT PEDI	2 each
	4.3	Razor (single-use)		1
Airway Management	5.1	Bag-valve mask with oxygen supply reservoir (hand-operated, single use, with HEPA filter, pediatric/infant must include PEEP)	ADULT CHILD INFANT	1 each
	5.2	Nasopharyngeal airways (individually wrapped)	20F 22F 24F 26F 28F 30F 32F 34F	1 each
	5.3	PEDI Nasopharyngeal airways (individually wrapped)	12F 14F 16F 18F	1 each
Glucometer Kit	6.1	Glucometer (with control solution; antiseptic wipes; small gauze; bandages)		1
	6.2	Glucometer test strips		8
	6.3	Lancets (single use, self-retracting)		8
Obstetrical Kit	7.1	Obstetrical kit (sterile) each containing the following items:		2
	7.2	Large towel		1
	7.3	Receiving blanket, or equivalent		1

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	7.4	Sterile disposable plastic or rubber gloves;		1 pair
	7.5	Sterile gauze pads	3" x 3"	6
	7.6	Kelly clamps or sterile ties		2
	7.7	Sanitary napkins		6
	7.8	Infant bulb syringe		1
	7.9	Bandage or surgical blade scissors		1
	7.10	Container with lid for carrying placenta		1
	7.11	Newborn swaddle system (i.e., space blanket, foil swaddle, or equivalent to retain body temperature)		1
Spinal Immobilization	8.1	ADULT Cervical Collar (rigid) <i>*Adjustable collar is equivalent to all 4 sizes*</i>	NO-NECK SMALL MEDIUM LARGE	2 each
	8.2	PEDI Cervical Collar (rigid) <i>*Adjustable collar is equivalent to all 3 sizes*</i>	CHILD TODDLER INFANT	2 each
Accessories	9.1	Blanket		1
	9.2	Covered, secure, rigid container for sharp items (i.e., needles), minimum of 8" height or width (to accommodate EpiPens).		1
	9.3	Biohazard bags (with ties)		2
	9.4	Motion sickness bags, or equivalent, capable of being sealed		2
Personal Protection	10.1	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
	10.2	Exam- type gloves (single use, latex-free)	SMALL MEDIUM LARGE X-LARGE	1 box each

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	10.3	NIOSH approved N95 Mask or better (disposable)	All sizes per mfr.	3 each
	10.4	Facemask and protective eye wear (combination face mask/eye shield equivalent)		4 each
	10.5	Antiseptic hand sanitizer dispenser or 25 individually wrapped antiseptic hand wipes		1
Communication Equipment	11.1	a) Capability to provide recorded communication directly with on-line medical control physician, and b) Capacity to reach service dispatch center		

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Optional Equipment: Required Only for Services That Have Implemented Medical Director Options Under the Statewide Treatment Protocols

BLS Bronchodilator Kit	12.1	Nebulizers with mouthpiece		2
Supraglottic Airway Kit	12.2	Supraglottic Airway - sizes covering adult and large adult patients per manufacturer. Include: Syringe for inflation of cuff (if required), Lubricant (water soluble), Commercial securing device (or equivalent)		1 each
Check and Inject Kit (labeled not for IV use)	12.3	Sterile 1 cc graduated syringes with 21-25 gauge, 3/8 – 1" needles already attached with appropriate sheath or engineered for safety		2
	12.4	Direction card inside the kit		1
CPAP Kit	12.5	CPAP machine set up with designated oxygen tank and the ability to provide in-line nebulizer treatments. Must include appropriately sized masks.	Masks: Small Medium Large	1 Kit 2 each Masks