



# GEORGIA TRAUMA COMMISSION

October 1, 2023

## Notice of Grant Awards for EMS Trauma-Related Equipment for FY 2024 GTCNC Budget

The Georgia Trauma Commission (GTC) is offering a grant award opportunity for the FY 2024 funding cycle to purchase trauma-related equipment to equip 911-response ambulances. The EMS Committee of the GTC approved a total allocation of **\$1,123,932.44** for this grant. The Department of Public Health, Office of EMS and Trauma (DPH OEMST) determines the vehicle counts per 911-zone provider. The FY 2024 total vehicle count is **1,508**, which will provide up to **\$745.31**, per ambulance (Attachment D). If you observe a discrepancy in the number of 911 ambulances for your agency, please advise us, and we will coordinate with DPH OEMST and the GTC EMS Committee and may be able to adjust the counts in future grant opportunities.

Funds must be used by the GRANTEE to purchase equipment on one or more of the following GTC EMS Committee-approved lists (Attachment C): 1. GTC EMS Committee-approved list; 2. Georgia DPH OEMST ground ambulance vehicle inspection form (v2.00 08/01/2022); 3. 2020 Joint Position Statement.

Completed grant applications (Attachment A) must be submitted, along with a notarized affidavit (Attachment B), to [gtcbusinessops@gtc.ga.gov](mailto:gtcbusinessops@gtc.ga.gov) on or before **October 31, 2023**. Applications received after this date will be returned to the sender. The GTC will submit Approved applications to the Georgia Department of Public Health Accounts Payable. Grantees should receive payment before 30 November 2023. During the course of the grant cycle, the GTC will notify agencies of their grant application status (receipt of application, approval for payment, and final payment details).

We look forward to serving the EMS community with this grant award opportunity. If you have any questions, please feel free to contact the GTC office at 706-841-2800.

Sincerely,

*Elizabeth Atkins*

Elizabeth V. Atkins, MSN, RN, TCRN  
Executive Director, Georgia Trauma Care Network Commission  
706-841-2800 | [elizabeth.atkins@gtc.ga.gov](mailto:elizabeth.atkins@gtc.ga.gov)

Enclosures: Attachments A, B, C, and D

ATTACHMENT A



**GEORGIA TRAUMA  
COMMISSION**

<b>GEORGIA TRAUMA COMMISSION EMS TRAUMA-RELATED EQUIPMENT GRANT APPLICATION FORM</b>			
Name of Grant: FY 2024 EMS GTCNC EMS Trauma Related Equipment Grant			
Applying Organization Legal Name:			
Doing Business As "DBA" (if differs from Legal Name):			
Mailing Address:			
Payment Address*: <i>*Address must be verified &amp; approved by State of Georgia.</i>			
City:	State:	ZIP Code:	County:
Phone:	Fax:	E-mail:	
Federal Tax ID Number:			
GA EMS Provider License Number:			
<b>EMS DIRECTOR OF APPLYING ORGANIZATION</b>			
Name/Title:			
Phone:		E-mail:	
<b>CONTACT FOR FURTHER INFORMATION ON APPLICATION (If Different from Person(s) listed above)</b>			
Name/Title:			
Phone:		E-mail:	
<b>Please answer each question:</b>			
<b>QUESTION</b>		<b>ANSWER FIELD</b>	
Is the original signed and notarized affidavit listing and affirming all seven (7) conditions detailed in Attachment B and on the Applying Organization's letterhead included in this completed application?		Yes____ No____	
Does the Applying Organization understand and agree to comply with the eligible equipment parameters detailed in Attachment B of the grant documents?		Yes____ No____	
Total number of licensed ambulances for applying organization?		Total Number: _____	
Number of "peak demand staffed" 911 response ambulances for this 911 zone?  <i>Peak Demand Staffed: The peak number of ambulances that are scheduled and staffed on a consistent basis.</i>		"Peak Demand Staffed" Number: _____	
For which county is the Applying Organization requesting funds? <i>*A separate application is required for each county</i>		County: _____	
<i>I certify the information contained in the submitted application is true and accurate to the best of my knowledge and that I have submitted this application on behalf of the Applying Organization.</i>			
SIGNATURE:		TITLE:	DATE:

**All awarded funds are State Funds.**



6. Applying organization agrees to make available, at all reasonable times during FY 2024, the records for inspection or audit by a duly authorized representative appointed by the Commission or the Georgia State Auditor.
7. Applying organization shall preserve and make available its records for a period of five (5) years from the date of final payment under this agreement or for such period (if any) as is required by applicable statute.

**AFFIDAVIT OF AUTHORIZED AGENT**

Personally appeared before me, the undersigned officer duly authorized to administer oaths, the affiant, after being duly sworn, stated under oath as follows:

1. THAT the affiant is the Authorized Agent for the Applying Organization, is over the age of eighteen years, and has personal knowledge of the facts contained in this Affidavit.
2. THAT the Applying Organization is the zoned 911 provider in the County for which grant funds are requested.
3. THAT the Applying Organization understands that peak staffed 911 response ambulance means the peak number of ambulances that are scheduled and staffed on a consistent basis.

\_\_\_\_\_ Date: \_\_\_\_\_  
Signature of Affiant

State of Georgia  
County of \_\_\_\_\_  
Signed and sworn to (or affirmed) before me on \_\_\_\_\_  
Date  
by \_\_\_\_\_,  
Printed name(s) of individual(s) making statement  
who proved to me on the basis of satisfactory evidence to be the person(s) who  
appeared before me.  
\_\_\_\_ Personally Known or  
\_\_\_\_ Produced Identification  
Type of ID \_\_\_\_\_

\_\_\_\_\_  
Signature of notary public  
\_\_\_\_\_  
(Name of notary, typed, stamped or printed)  
Notary Public State of Georgia  
My commission expires: \_\_\_\_\_

Stamp/Seal



# GEORGIA TRAUMA COMMISSION

## EMS Trauma Care Related Equipment Grant

Revised 8/25/23

Adult and Pediatric Airway head mannequins  
Ambulance Child Restraint devices  
Apple iPad  
Automatic Chest Compression System  
Bariatric Ambulance Ramp  
Batteries and Battery Chargers-for cardiac monitors, stretchers, two-way radios, and the like  
Blood Cooling Devices  
Blood Temperature Monitor  
Blood Warming Tube  
Combi Extrication Tool  
Commercial Washing Machine  
Commercially made Chest Decompression Needles  
Commercially made Eye Irrigation Devices  
Commercially made Pelvic Stabilization Devices  
Commercially made Tourniquet Devices  
Disposable CPAP units  
Driving Simulator  
Eject Helmet Removal System  
Emergency Cricothyrotomy Kit (non-surgical crico kit)  
External Blood Clotting Supplies  
Impedance Threshold devices (ITD)  
Infusion Pumps  
Intraosseous Supplies Capnography  
Image Trent Kno2 Software  
IV Warmers  
Jump Bags  
Laptop/Toughbooks  
Motorola Minitor VI Pagers  
Narcotics Lock Box  
Portable, lightweight, patient lifting device (Binder Lift)  
Pressure infusion bags  
Pulse oximeters and probes  
Replacement AVLS Antennae  
Rescue Advanced Life Support Skill Mannequin Trainer  
Rescue/Evacuation Litter  
Resuscitation Items  
Scoop Stretcher  
Stair Chair  
Tablets  
Thermometers  
Transport Ventilator  
Two-way Radios  
Utility Terrain Vehicle  
Video Laryngoscopy Rescue/Evacuation Litter



# Georgia Office of Emergency Medical Services and Trauma

## Vehicle Inspection Form: *Ground Ambulance*

Service Name:		Tag#:	Type:
VIN #		Call Sign:	VID#:
Inspection Type: <input type="checkbox"/> Initial <input type="checkbox"/> Anniversary <input type="checkbox"/> Renewal <input type="checkbox"/> Unscheduled			
VID # displayed on <b>Left</b> and <b>Right</b> side of vehicle:(No less than 3")		<input type="checkbox"/> Yes	<input type="checkbox"/> No
Service name displayed on <b>Left</b> and <b>Right</b> side of vehicle:(No less than 3")		<input type="checkbox"/> Yes	<input type="checkbox"/> No
<b>Interior - Cab</b>			
Odometer Reading:	Make:	Model:	
Windshield free of cracks, starbursts, or spider webbing greater than 3" (GA Code § 40-8-73 (2010))		<input type="checkbox"/> Yes	<input type="checkbox"/> No
Proof of insurance (GA Code § 40-6-10 (2020)):		<input type="checkbox"/> Yes	<input type="checkbox"/> No
Air Conditioner Operational (Front):		<input type="checkbox"/> Yes	<input type="checkbox"/> No
Heating Operational (Front):		<input type="checkbox"/> Yes	<input type="checkbox"/> No
Doors Operational from the inside and outside:		<input type="checkbox"/> Yes	<input type="checkbox"/> No
Door Locks Operational (Front):		<input type="checkbox"/> Yes	<input type="checkbox"/> No
Seatbelts Operational (Driver):		<input type="checkbox"/> Yes	<input type="checkbox"/> No
Seatbelts Operational (Passenger):		<input type="checkbox"/> Yes	<input type="checkbox"/> No
Two-Way Communication System:		<input type="checkbox"/> Yes	<input type="checkbox"/> No
Vehicle Horn Operational		<input type="checkbox"/> Yes	<input type="checkbox"/> No
Wipers Operational		<input type="checkbox"/> Yes	<input type="checkbox"/> No
Mirrors Visible and without defect (Driver and Passenger side)		<input type="checkbox"/> Yes	<input type="checkbox"/> No
<b>Exterior Lighting</b>			
Headlights Operational (Left and Right) High and Low beam		<input type="checkbox"/> Yes	<input type="checkbox"/> No
Turn Signal Operational (Front - Left and Right)		<input type="checkbox"/> Yes	<input type="checkbox"/> No
Turn Signal Operational (Rear - Left and Right)		<input type="checkbox"/> Yes	<input type="checkbox"/> No
Hazard Lights Operational (Front and Rear)		<input type="checkbox"/> Yes	<input type="checkbox"/> No
Tail Lights Operational (Left and Right)		<input type="checkbox"/> Yes	<input type="checkbox"/> No
Reverse Light Operational (Left and Right)		<input type="checkbox"/> Yes	<input type="checkbox"/> No
Brake Lights Operational (Left, Right, Center if applicable)		<input type="checkbox"/> Yes	<input type="checkbox"/> No
Reverse/Back up Alarm Operational		<input type="checkbox"/> Yes	<input type="checkbox"/> No
<b>Safety - Tires/Brakes</b>			
Tire Tread depth greater than 2/32" per DOT recommendation(Left - Front)		<input type="checkbox"/> Yes	<input type="checkbox"/> No
Tire Tread depth greater than 2/32" per DOT recommendation(Right - Front)		<input type="checkbox"/> Yes	<input type="checkbox"/> No
Tire Tread depth greater than 2/32" per DOT recommendation(Left - Rear Outside)		<input type="checkbox"/> Yes	<input type="checkbox"/> No
Tire Tread depth greater than 2/32" per DOT recommendation(Left - Rear Inside)		<input type="checkbox"/> Yes	<input type="checkbox"/> No
Tire Tread depth greater than 2/32" per DOT recommendation(Right - Rear Outside)		<input type="checkbox"/> Yes	<input type="checkbox"/> No
Tire Tread depth greater than 2/32" per DOT recommendation(Right - Rear Inside)		<input type="checkbox"/> Yes	<input type="checkbox"/> No
Brakes Operational		<input type="checkbox"/> Yes	<input type="checkbox"/> No
Rear Bumper and Step intact and operational		<input type="checkbox"/> Yes	<input type="checkbox"/> No
<b>Emergency Lights/Siren</b>			
All Warning Lights Operational (All Sides)		<input type="checkbox"/> Yes	<input type="checkbox"/> No
If blue warning lights are used, a valid DPS Permit must be present			
Scene/Flood Lights Operational (All Sides)		<input type="checkbox"/> Yes	<input type="checkbox"/> No
Siren Operational		<input type="checkbox"/> Yes	<input type="checkbox"/> No

## Interior - Patient Compartment

Air Conditioner Operational (Rear):	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Heating Operational (Rear):	<input type="checkbox"/> Yes	<input type="checkbox"/> No
All Doors Operational from the inside and outside:	<input type="checkbox"/> Yes	<input type="checkbox"/> No
All Door Locks Operational (Rear):	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Seatbelts Operational (All patient compartment seats):	<input type="checkbox"/> Yes	<input type="checkbox"/> No
All Patient Compartment Lights Operational (Hi/Lo)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Exhaust Fan Operational	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Cleanliness of Interior (Area should be free of blood, dirt, and debris, etc)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
All equipment and supplies must be maintained in working order and shall be stored in an orderly manner so as to protect the patient and be readily accessible when needed.	<input type="checkbox"/> Yes	<input type="checkbox"/> No

## Respiratory Equipment

Quantity	Item/Description	Compliant	
1	Fixed Suction unit or a Mounted Electric Suction unit that works on vehicle power and battery power. The aspirator system shall achieve a minimum of 5.8 psi (300mmHg) vacuum within 4 seconds after the suction tube is closed. Mounted devices must meet the requirements of SAE J3043 (Ambulance Equipment Mount Device or Systems).	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1	Portable Suction - Mechanical or Battery Powered, If battery powered the aspirator system shall achieve a minimum of 5.8 psi (300mmHg) vacuum within 4 seconds after the suction tube is closed	<input type="checkbox"/> Yes	<input type="checkbox"/> No
4	Sterile Suction Catheters - assorted sizes	<input type="checkbox"/> Yes	<input type="checkbox"/> No
2	Rigid Suction Catheters in original sealed packaging	<input type="checkbox"/> Yes	<input type="checkbox"/> No
2	Suction tubing in original sealed packaging	<input type="checkbox"/> Yes	<input type="checkbox"/> No
2	Bag Valve Mask Resuscitator - Adult, disposable, with transparent adult mask and tubing. The valve must operate in cold weather, and the unit must be capable of use with an oxygen supply. The unit must be capable of delivering approximately 100% oxygen.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
2	Pediatric Bag Valve Mask Resuscitator -BVM with <b>Infant AND Pediatric Mask</b> , disposable with tubing. <i>(Can be 2 of each, Infant BVM and Pediatric BVM or Can be 2 Pediatric BVM with 2 infant mask and 2 pediatric masks)</i> The valve must operate in cold weather, and the unit must be capable of use with an oxygen supply. The unit must be capable of delivering approximately 100% oxygen.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
4	Adult Oxygen Mask with Reservoir	<input type="checkbox"/> Yes	<input type="checkbox"/> No
4	Pediatric Oxygen Mask with Reservoir	<input type="checkbox"/> Yes	<input type="checkbox"/> No
3	Nebulizer Kit each having the ability to provide aerosolized treatment for adult and pediatric patient.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
4	Nasal Cannula	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1 each	Nasopharyngeal Airways - assorted sizes, must include 20F, 24F, 28F, 30F, 32F, 34F, with water soluble lubricant	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1 each	Oropharyngeal Airways - assorted sizes, must include 40mm (00), 50mm (0), 60mm (1), 80mm (3), 90mm(4), 100mm (5), 110mm (6)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1 each	Blind Insertion Airway Devices (device not intended to be placed into trachea) in assorted adult sizes per manufacturer (i.e. Combi tube sizes 37mm, 41mm OR King Airway sizes 3, 4, 5, OR i-gel sizes 3, 4, 5 or LMA sizes 3, 4, 5 or equivalent per Service Medical Director) to include water soluble lubricant	<input type="checkbox"/> Yes	<input type="checkbox"/> No

## Respiratory Equipment (continued)

Quantity	Item/Description	Compliant	
1	Oxygen: Fixed system with at least two wall-mounted oxygen outlets and one flowmeter. The system shall also include a yoke, pressure reducer gauge and an approved cylinder-retaining device that meets DOT standards. The system shall have a capacity of at least 2,000 liters of oxygen and be capable of delivering an oxygen flow of at least 15 liters per minute OR If oxygen system is not a fixed system; the vehicle must have capacity of at least 2,000 liters of oxygen, 2 regulators with pressure gauge and flowmeter capable of delivering an oxygen flow of at least 15 liters per minute with access to the oxygen operational control in the patient care compartment. Each cylinder must have no less than 600 psi. All Cylinders must be secured using a commercially manufactured device. Ambulances manufactured after 2014 must meet Ambulance Manufacturers Division (AMD) 028 and/or SAE J3043.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1	Oxygen: portable unit consisting of at least a "D" cylinder or equivalent, yoke, regulator with pressure gauge and flowmeter, and cylinder wrench or hand wheel. The cylinder must have no less than 600 psi. The unit shall be capable of delivering an oxygen flow of at least 15 liters per minute. Cylinder holders with a quick release fitting shall be furnished to allow the use of the portable unit outside the vehicle. All Cylinders must be secured using a commercially manufactured device. Ambulances manufactured after 2014 must meet Ambulance Manufacturers Division (AMD) 028 and/or SAE J3043.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1	Oxygen: full spare cylinder for use with the above portable oxygen unit of at least a "D" cylinder for use with the above portable oxygen unit. All Cylinders, including those in bags or carrying cases must be secured using a commercially manufactured device. Ambulances manufactured after 2014 must meet Ambulance Manufacturers Division (AMD) 028 and/or SAE J3043.	<input type="checkbox"/> Yes	<input type="checkbox"/> No

## Bandaging/Dressings

Quantity	Item/Description	Compliant	
2	Triangular Bandages	<input type="checkbox"/> Yes	<input type="checkbox"/> No
2	Universal Dressings approximately 10 inches by 30 inches	<input type="checkbox"/> Yes	<input type="checkbox"/> No
2	Clean wrapped sheets or sterile burn sheets	<input type="checkbox"/> Yes	<input type="checkbox"/> No
12	Non-sterile gauze pads, 4 inches by 4 inches	<input type="checkbox"/> Yes	<input type="checkbox"/> No
6	Bandages, soft roller, self adhering type, assorted sizes (2 inch - 6 inch) (Minimum 4 yards/each)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
4	Bandages, elastic, of assorted sizes (2 inch-6 inch)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
2	Occlusive dressing, sterile, individually wrapped, minimum of 4 inches by 3 inches	<input type="checkbox"/> Yes	<input type="checkbox"/> No
4	Adhesive Tape – Rolls, Assorted Sizes minimum 1 inch wide	<input type="checkbox"/> Yes	<input type="checkbox"/> No
2	Commercially made Arterial Tourniquet	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1	Heavy Duty Bandage Shears	<input type="checkbox"/> Yes	<input type="checkbox"/> No

## Diagnostic Equipment

Quantity	Item/Description	Compliant	
1 each	Manual Aneroid Sphygmomanometer, with pediatric, adult, <b>AND</b> large adult size cuffs	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1	Stethoscope	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1	Glucose monitoring instrument, with minimum 5 each of strips, lancets, alcohol preps	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1	Pulse oximetry device with adult and pediatric size clips	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1	Non-Mercury Thermometer; if patient contact type must have disposable covers or be disposable.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1	Penlight	<input type="checkbox"/> Yes	<input type="checkbox"/> No

## Immobilization/Extraction Devices



Quantity	Item/Description	Compliant	
4	Extremity Immobilization Devices: 2 full arms and 2 full legs. Must be capable of immobilizing the joint above and the joint below the fracture.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1	Short Spinal Extrinsication Device (KED or equivalent)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1	Pediatric Immobilization device (must be manufactured for pediatric use only) with at least 3 straps	<input type="checkbox"/> Yes	<input type="checkbox"/> No
2	Spine Boards, Long (at least 16 inches wide by 72 inches long), each with at least 3 straps or equivalent - one Spine Board may be replaced with a scoop stretcher	<input type="checkbox"/> Yes	<input type="checkbox"/> No
2	Lateral Cervical Immobilization Devices (may be commercial devices, foam blocks, or sheet rolls)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
6	Cervical Immobilization collars, hard type, 4 adult assorted sizes/adjustable and 2 pediatric assorted sizes/adjustable	<input type="checkbox"/> Yes	<input type="checkbox"/> No
2	Traction Splints, universal lower extremity adjustable OR one adult and one pediatric lower extremity adjustable	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1	Equipment for the safe transport of pediatric patients, as approved by the local Medical Director with guidelines provided by the Department	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1	Spring Loaded Center Punch	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1 pair	Gloves, work gloves or leather gloves	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1 each	Flathead and Phillips screwdriver, minimum 6 inches	<input type="checkbox"/> Yes	<input type="checkbox"/> No

### Patient Safety/Comfort/Care

Quantity	Item/Description	Compliant	
1	Multi-Level Stretcher with at least one complete set of shoulder/chest straps, and two sets of lower extremity straps. (Buckels must be metal "seatbelt type" and straps must not be cut, frayed, or have holes) Must be capable of securing adult and pediatric patients. Safety/Catch hook must be in place and functional. Mattress must be impervious and free of rips and tears.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
4	Mattress covers; disposable or fabric sheets	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1	Pillow, disposable, or pillow with single use covers. Rolled sheets are acceptable substitutes	<input type="checkbox"/> Yes	<input type="checkbox"/> No
2	Blankets	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1	Waterproof Patient Covers (Water impervious blankets will count as both blankets and waterproof patient covers)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
2	Emesis basins or emesis bags	<input type="checkbox"/> Yes	<input type="checkbox"/> No
4	Restraints, 2 ankle and 2 wrist, leather or nylon or disposable	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1	Urinal	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1	Bedpan	<input type="checkbox"/> Yes	<input type="checkbox"/> No
6	Surgical face masks	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1	Nonporous Infant Insulating Device, foil swaddler, foil bunting, silver swaddler or equivalent	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1	Obstetrical Kit: Receiving blanket, sterile bulb aspirator, sterile scissors or scalpel blade, 4 inch gauze pads, 2 cord clamps, plastic bag for placenta, APGAR scoring card. All items are to be in a container with identifying label showing contents.	<input type="checkbox"/> Yes	<input type="checkbox"/> No

### Provider Safety

Quantity	Item/Description	Compliant	
1	Flashlight	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1	Sharps container, minimum 1 quart size or equivalent	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1	Fire Extinguisher, 10 pound ABC type or functional equivalent, charged, with current NFPA inspection tag, secured with appropriate restraint device	<input type="checkbox"/> Yes	<input type="checkbox"/> No
6	N95 Particulate mask, minimum of 2 sizes	<input type="checkbox"/> Yes	<input type="checkbox"/> No

### Provider Safety (continued)

Quantity	Item/Description	Compliant	
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4	Personal Protection Equipment sets to include: face shield/goggles, surgical masks, gowns/coveralls	<input type="checkbox"/> Yes	<input type="checkbox"/> No
60	Nitrile (non-latex) Exam gloves, 30 each of at least 2 sizes	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1	U.S. Department of Transportation Emergency Response Guidebook, current edition (Hard copy or electronically stored on ambulance computer)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1	FEMA Job Aid or other Resource Handbook providing information on chemical, biological, nuclear agents (Hard copy or electronically stored on ambulance computer)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Min 2	ANSI compliant Reflective safety wear for each crewmember	<input type="checkbox"/> Yes	<input type="checkbox"/> No

### Miscellaneous Equipment

Quantity	Item/Description	Compliant	
1	Automatic or Semi-automatic External Defibrillator with Adult and Pediatric pads or Pediatric Dose Attenuator. (cardiac monitor/defibrillator for Cardiac Technician or Paramedic staffing)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1	Sealed and/or locked IV Solution/Medication Kit. The contents and expiration date of each pharmaceutical within the kit must be immediately available physically or electronically. The EARLIEST expiration date must be affixed to the outside of the kit or immediately electronically available. This kit must be maintained in a temperature controlled environment and not be left unsecured.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1	A length-based resuscitation tape or reference material that provide appropriate guidance for pediatric drug dosing and equipment sizing based on length or age	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1	Agency Protocol Manual (Hard copy or electronically stored on ambulance computer)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
2	Irrigation Liquids 1000ml or equivalent packaging	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Min 10	Triage Tags- SMART compliant	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1	Disinfectant solution	<input type="checkbox"/> Yes	<input type="checkbox"/> No

### Advanced Life Support Equipment - Cardiac Technician or Paramedic

Quantity	Item/Description	Compliant	
<b>The ambulance must have all of the above required equipment. When staffed by at least one Cardiac Technician or Paramedic the additional equipment listed below is required if specified by Medical Director Approved Protocols.</b>			
1	ALS Airway Kit with assorted Endotracheal tubes (minimum of 3.0, 4.0, 5.0, 6.0, 7.0, 8.0), laryngoscope handle with appropriately sized blades (for infants, children, adults - disposable blades must remain in manufacturer's packaging until use), 10cc syringes, water soluble lubricant, Magill Forceps, End Tidal Carbon Dioxide monitoring device (quantitative and/or qualitative)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1	Cardiac Monitor/Defibrillator (with print out), configuration and supplies, that is capable of delivering defibrillation, cardioversion, pacing, and EKG monitoring for adult and pediatric patients. Must be secured in a manner to prevent injury while vehicle is in motion. Cardiac monitors must be capable of 12 lead ECG acquisition by 2025.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1	Sealed and/or locked Drug Kit. The contents and expiration date of each pharmaceutical within the kit must be immediately available physically or electronically. The EARLIEST expiration date must be affixed to the outside of the kit or immediately available electronically. This kit may be combined with the Medication Kit listed above. Must be maintained in temperature-controlled environment and must not be left unsecured.	<input type="checkbox"/> Yes	<input type="checkbox"/> No

Comments:

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## Recommended Essential Equipment for Basic Life Support and Advanced Life Support Ground Ambulances 2020: A Joint Position Statement

John Lyng, Kathleen Adelgais, Rachael Alter, Justin Beal, Bruce Chung, Toni Gross, Marc Minkler, Brian Moore, Tim Stebbins, Sam Vance, Ken Williams & Allen Yee

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# RECOMMENDED ESSENTIAL EQUIPMENT FOR BASIC LIFE SUPPORT AND ADVANCED LIFE SUPPORT GROUND AMBULANCES 2020: A JOINT POSITION STATEMENT

John Lyng, MD, NRP, Kathleen Adelgais, MD, MPH, Rachael Alter, BA, Justin Beal, PHRN, Bruce Chung, MD, Toni Gross, MD, Marc Minkler, BS, NRP, Brian Moore, MD, Tim Stebbins, MD, Sam Vance, MHA, EMT-P, Ken Williams, MD, Allen Yee, MD

## ABSTRACT

In continued support of establishing and maintaining a foundation for standards of care, our organizations remain committed to periodic review and revision of this position statement. This latest revision was created based on a structured review of the *National Model EMS Clinical Guidelines Version 2.2* in order to identify the equipment items necessary to deliver the care defined by those guidelines. In addition, in order to ensure congruity with national definitions of provider scope of practice, the list is differentiated into BLS and ALS levels of service utilizing the National Scope of Practice-defined levels of Emergency Medical Responder (EMR) and Emergency Medical Technician (EMT) as BLS, and Advanced EMT (AEMT) and Paramedic as ALS. Equipment items listed within each category were cross-checked against recommended scopes of practice for each level in order to ensure they were appropriately dichotomized to BLS or ALS levels of care. Some items may be considered optional at the local level as determined by agency-defined scope of practice and applicable clinical guidelines. In addition to the items included in this position statement our organizations agree that all EMS service programs should carry equipment and supplies in quantities as determined by the medical director and appropriate to the agency's level of care and available certified EMS personnel and as established in the agency's approved protocols. **Key words:** EMS; equipment; ambulance; ALS; BLS

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Address correspondence to John Lyng, MD, FAEMS, FACEP, NRP National Association of EMS Physicians®, 4400 College Blvd Suite 220, Overland Park, KS 66211. E-mail: [jlyngmd@gmail.com](mailto:jlyngmd@gmail.com)

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## INTRODUCTION

The National Association of EMS Physicians along with these coauthoring associations: American Academy of Pediatrics, American College of Surgeons Committee on Trauma, EMS for Children Innovation and Improvement Center, Emergency Nurses Association, and National Association of State EMS Officials, and as also endorsed by the National Association of Emergency Medical Technicians, believe that the delivery of high-quality and effective EMS care is dependent on several factors, including but not limited to the presence of:

- providers who have been credentialed to ensure they demonstrate appropriate cognitive knowledge, affective ability, psychomotor skills, and critical thinking (1)
- clinical protocols or guidelines that are supported by the best available scientific evidence
- equipment and supplies necessary to deliver appropriate care as directed by clinical protocols/guidelines for patients of all ages

Several documents, including previous versions of this joint position paper, the *National Model EMS Clinical Guidelines Version 2.2*, the *2018 National EMS Scope of Practice Model*, the *Clinical Credentialing of EMS Providers*, *Physician Oversight of Pediatric Care in Emergency Medical Services*, *Pediatric Readiness in Emergency Medical Services Systems*, and core performance measures from the U.S. Dept of Health and Human Services Health Resources and Services Administration EMS for Children (EMSC) Program have been developed to lay the foundation of several of the concepts noted above (1–9).

Ensuring that EMS providers are properly equipped to perform their clinical duties is an important function of oversight in EMS systems. In the past this regulatory oversight has been based on the publication of minimum recommended equipment standards, including prior versions of this document (2–4). These efforts have attempted to provide a listing of the minimum items recommended for Basic Life Support (BLS) and Advanced Life Support (ALS) ground ambulances.

The field of EMS medicine continues to evolve and the *EMS Scope of Practice Model* continues to undergo important longitudinal revisions, reflecting ongoing

improvements in clinical technology and practice (5). In effect, these advancements have caused many interventions, once limited to the scope of advanced providers, to begin transitioning into the scope of basic providers. Additionally, interventions that were once considered outside the scope of EMS medicine continue to find appropriate places in the EMS setting of care. These contemporary updates make the delivery of EMS-based interventions safer and easier for EMS providers to perform.

In 2019 our organizations undertook a review and revision of the 2014 version of this joint position statement. Part of this revision process also included review of equipment lists established by individual state/territory rules and statutes for all 56 U.S. states and territories. Our review identified that portions of either the 2014 document and/or state/territory-level equipment lists required items that:

- are no longer clinically recommended because they have been demonstrated to be either harmful, lacking efficacy, or have been replaced by clinically superior options. [ex: Military Anti Shock Trousers (MAST), syrup of ipecac];
- are no longer correctly dichotomized to BLS vs ALS levels of care [ex: CPAP, nebulized medications];
- fail to include equipment that evidence-based guidelines suggest should be available on ground ambulances [ex: Commercial arterial tourniquets are currently lacking on 29 state/territory lists]; and that
- require arbitrary quantities of items.

Establishing recommended equipment standards has value in helping build consistency across the EMS system of care. Documents such as this can be used to help guide both agency leadership and frontline staff in evaluating whether their agency is properly equipped to provide care that meets recommended community requirements. However, the process of creating and revising rules, statutes, and other legislative mechanisms at the state level of government is often onerous, time consuming, and can sometimes have unpredictable results and generate unintended consequences.

Our review of existing state and territory EMS equipment regulations showed that 39 states and territories had statutory EMS equipment lists that were more than five years old. Equipment lists should serve to facilitate advances in the delivery of quality and cost-effective EMS care, not to create a barrier to EMS system improvement and development. In light of this, we offer the following recommendation to governmental entities with jurisdiction involving the practice of EMS medicine—

*Ensure that legislative and/or administrative mechanisms that establish equipment standards for ground ambulances:*

- *avoid requiring arbitrary minimum amounts of equipment list items;*

- *reflect expert and evidence-based recommendations such as those provided in this document;*
- *undergo review and updates at intervals not to exceed five years;*
- *do not create unnecessary barriers to implementation of new technology at the local level;*
- *allow for flexibility and adaptability in order to make rapid unplanned changes in response to unpredicted equipment or medication shortages affecting local EMS agencies; and*
- *reinforce that all EMS agencies should carry the age-appropriate equipment, supplies, and medications necessary for their clinical providers to effectively carry out patient care as defined by the clinical protocols and guidelines that are applicable to each agency.*

It cannot be overemphasized that the mere presence of certain pieces of equipment on an ambulance does not equate to individual EMS provider competence in the use of that equipment or to an EMS program's practice of high-quality and effective EMS medicine. In addition to establishing minimum equipment standards we also recommend that states consider establishing standards requiring local EMS agencies to demonstrate that their EMS providers are competent in their use of the equipment and supplies necessary to administer care within their scope of practice as defined or allowed by locally applicable clinical protocols or guidelines. Such assessment of provider competency in use of equipment has been established as a key component of EMS readiness in the joint position paper, *Pediatric Readiness in Emergency Medical Services Systems*, and also as a core performance measure by the U.S. Dept of Health and Human Services Health Resources and Services Administration through its EMS for Children (EMSC) Program (8, 9).

Furthermore, though the implementation of equipment lists at the state level is an important level of system oversight, it remains critically important that EMS agency medical directors evaluate that the equipment available on their agency's ambulances is appropriate for the delivery of care and transport of both pediatric and adult patients in their service area. Each agency's physician medical director should have direct involvement in the selection, approval, and deployment of the devices each agency chooses to fulfill both the clinical and regulatory equipment requirements that are germane to their agency.

In continued support of establishing and maintaining a foundation for standards of care, our organizations remain committed to periodic review and revision of this position statement. This latest revision was created based on a structured review

of the *National Model EMS Clinical Guidelines Version 2.2* in order to identify the equipment items necessary to deliver the care defined by those guidelines (6). In addition, in order to ensure congruity with national definitions of provider scope of practice, the list is differentiated into BLS and ALS levels of service utilizing the *National Scope of Practice*-defined levels of Emergency Medical Responder (EMR) and Emergency Medical Technician (EMT) as BLS, and Advanced EMT (AEMT) and Paramedic as ALS (5). Equipment items listed within each category were cross-checked against recommended scopes of practice for each level in order to ensure they were appropriately dichotomized to BLS or ALS levels of care. Some items may be considered optional at the local level as determined by agency-defined scope of practice and applicable clinical guidelines.

In addition to the items included in this position statement our organizations agree that, as modeled in the Iowa Administrative Code, “all EMS service programs shall carry equipment and supplies in quantities as determined by the medical director and appropriate to the agency’s level of care and available certified EMS personnel and as established in the agency’s approved protocols.” (10)

Finally, in addition to taking steps to determine that appropriate equipment is routinely available and that EMS providers are competent in using this equipment, our organizations also recommend that all EMS agencies include in their routine quality assurance practices efforts to evaluate that:

- their EMS providers are outfitted with all of the equipment necessary for them to perform clinical care;
- all equipment and supplies undergo appropriate preventative maintenance and routine function checks; and that
- malfunctioning or missing equipment issues are rapidly mitigated in order to preserve readiness to respond and provide patient care continuously.

## **LIST OF RECOMMENDED ESSENTIAL EQUIPMENT FOR BASIC LIFE SUPPORT AND ADVANCED LIFE SUPPORT GROUND AMBULANCES, 2020**

### **General Principles**

This document is intended to represent minimum essential equipment recommendations and should not be used to limit the addition of items to a service’s repertoire. Carriage of items that supplement those listed herein should be based on local clinical

and operational needs, including the needs of specialty transport teams, and should be left to the discretion of the physician medical director and other agency administrative and operational officers.

- a. Equipment should always be appropriate for the size/age of patients. Availability and use of appropriate pediatric-sized equipment is necessary, not discretionary.
  - Adult-sized items should not be substituted or adapted for use on pediatric patients except where available pediatric-focused equipment has malfunctioned and where failure to provide further intervention by adapting an adult device for pediatric use would result in serious harm to the pediatric patient.
- b. Several items that were included in previous versions of this list, including items previously listed as “optional,” are not included in this revision. Their absence from this list demonstrates lack of sufficient evidence to support inclusion of these items universally for all BLS and/or ALS ground ambulances but should not be interpreted to mean that such items should not be carried on *any* BLS and/or ALS ground ambulance. Local clinical protocols and scope of practice may dictate that such items are prudent and proper to carry.
- c. Evidence supporting inclusion of specific items in this recommended equipment list is cited where available.
- d. Certain items are included in this list based on sound judgment and logic (i.e. “portable reusable light source”) rather than based on the presence of supporting evidence.
- e. Several items were identified on review of existing state/territory equipment lists or in previous versions of this document that should no longer be carried on ground ambulances due to evidence of harm or proven lack of efficacy. These items have been identified in a section that is new in this revision of this joint position paper.
- f. Equipment specifications exist for several items contained in this document. The sources for those specifications are cited.
- g. Latex-free items should be utilized whenever possible/practical.
- h. Specific medication recommendations have been removed from this recommended equipment list due to the following:
  - The diversity of clinical protocols across the U.S., even across the same echelons of care, precludes development of an appropriately brief but comprehensive recommended medication list;
  - The frequency and unpredictable nature of medication shortages requiring frequent and rapid revision to local medication supplies preclude the development of a recommended medication list that would remain germane on a daily basis; and
  - The variability in the availability and use of therapeutic alternatives across EMS agencies precludes development of an appropriately brief but comprehensive recommended medication list.

CATEGORY	BASIC LIFE SUPPORT (BLS) All ages		ADVANCED LIFE SUPPORT (ALS) (All BLS equipment PLUS the following) All ages	
	Adult-specific	Pediatric-specific	Adult-specific	Pediatric-specific
<b>Airway, Ventilation, and Oxygenation</b>	<ul style="list-style-type: none"> <li>Oxygen supply, portable and on-board</li> <li>Devices capable of delivering oxygen in a titratable manner through nasal, partial face, or full-face mask routes in sizes to fit neonates through adults</li> <li>Oropharyngeal airways in sizes to fit neonates to adults</li> <li>Nasopharyngeal airways in sizes to fit neonates to adults</li> <li>Manual and/or powered suction device(s) with rigid oral and flexible pharyngeal/tracheal suction catheters in sizes to fit neonates to adults</li> <li>A device capable of providing non-invasive positive pressure ventilation (NIPPV)</li> <li>Self-inflating manual ventilation devices and masks to fit neonates to adults [11] [12]</li> </ul>	<p><b>PEDIATRIC SPECIFIC</b></p> <ul style="list-style-type: none"> <li>Bulb suction</li> </ul>	<ul style="list-style-type: none"> <li>Direct and/or Video laryngoscopy equipment appropriate for neonates to adults<sup>a</sup></li> <li>Magill forceps</li> <li>Supraglottic airways in sizes to fit neonates to adults<sup>b</sup></li> </ul>	
<b>Bleeding, Hemorrhage Control, Shock Management, and Wound Care</b>	<ul style="list-style-type: none"> <li>Commercial arterial tourniquets</li> <li>Wound packing material<sup>c</sup></li> <li>Gauze sponges</li> <li>Adhesive bandages</li> <li>Adhesive tape</li> <li>Occlusive dressing (aka “chest seal”)</li> <li>Fluid for irrigation of wounds</li> </ul>		<p><b>ADULT SPECIFIC</b></p> <ul style="list-style-type: none"> <li>Chest Decompression needles 14g or larger diameter, <b>minimum length 3.25 inches (8.25cm)</b> or commercial chest decompression device [13] [14] [15] [16] [17] [18] [19]</li> </ul>	<p><b>PEDIATRIC SPECIFIC</b></p> <ul style="list-style-type: none"> <li>Chest Decompression needles: <ul style="list-style-type: none"> <li>14g diameter, <b>maximum length 1.5 inches (3.8 cm)</b> for patients less than 56 inches (144 cm) long [20]</li> <li>23g diameter, maximum length 0.75 inches (2cm) for newborns</li> </ul> </li> </ul>
<b>Cardiovascular &amp; Circulation Care</b>	<ul style="list-style-type: none"> <li>Automatic External Defibrillator (AED) with adult and pediatric or combination pads</li> </ul>		<ul style="list-style-type: none"> <li>A device capable of performing automatic and/or manual defibrillation, cardiac rhythm monitoring (in at least three leads), 12 lead ECG acquisition, and transcutaneous pacing</li> </ul>	
<b>Diagnostic Tools</b>	<ul style="list-style-type: none"> <li>Glucometer</li> <li>Pulse Oximeter with sensors to fit neonates to adults</li> <li>Stethoscope</li> <li>Blood Pressure Cuffs in sizes to fit neonates to adults</li> <li>Thermometer</li> </ul>		<ul style="list-style-type: none"> <li>Continuous waveform capnography</li> </ul>	

(Continued)

CATEGORY	BASIC LIFE SUPPORT (BLS) All ages		ADVANCED LIFE SUPPORT (ALS) (All BLS equipment PLUS the following) All ages	
	Adult-specific	Pediatric-specific	Adult-specific	Pediatric-specific
<b>Infection Control</b>	<ul style="list-style-type: none"> <li>Items necessary for Universal &amp; Standard Precautions [21] <ul style="list-style-type: none"> <li>Waterless hand cleanser</li> <li>Sharps container</li> <li>Supplies for collection or absorption of patient vomit, urine, and/or feces</li> <li>Biohazardous materials collection bags</li> <li>Products appropriate for cleaning and disinfecting surfaces and equipment</li> </ul> </li> <li>Items necessary for the following Transmission-based Precautions [22] [23] [24]: <ul style="list-style-type: none"> <li><u>Contact precautions</u>: examination gloves, eye protection, gowns</li> <li><u>Droplet precautions</u>: surgical masks and eye protection</li> <li><u>Airborne precautions</u>: N95 facemasks in provider-appropriate sizes AND eye protection OR Powered Air-Purifying Respirator (PAPR)</li> </ul> </li> <li>General trash collection bags</li> </ul>		No additional ALS recommendations	
<b>Medications</b>	<ul style="list-style-type: none"> <li>Medications that are germane to approved agency BLS protocols</li> </ul>		<ul style="list-style-type: none"> <li>Medications that are germane to approved agency ALS (and/or higher level) protocols</li> </ul>	
<b>Medication Delivery and Vascular Access</b>	<ul style="list-style-type: none"> <li>Devices and supplies needed to administer medications via routes (Oral, Inhaled, Intramuscular, Intranasal) included in locally approved scope of practice and locally applicable protocol(s) and in sizes to fit neonates to adults</li> <li>Supplies for application of antiseptic to skin</li> </ul>		<ul style="list-style-type: none"> <li>Devices and supplies needed to administer medications via routes (Oral, Inhaled, Intramuscular, Intranasal, Intravenous, Intraosseous) included in locally approved scope of practice and locally applicable protocol(s) in sizes to fit neonates to adults</li> <li>Isotonic crystalloid fluids and administration tubing capable of adjustable fluid delivery rate</li> <li>A device to provide pressure infusion of IV fluids</li> </ul>	
	<p><b>PEDIATRIC SPECIFIC</b></p> <ul style="list-style-type: none"> <li>Tools that provide pre-calculated weight-based dosing and preclude the need for calculation by EMS providers can reduce dosing errors. [25]</li> </ul>		<p><b>PEDIATRIC SPECIFIC</b></p> <ul style="list-style-type: none"> <li>A device suitable for administering a fluid bolus to pediatric patients that limits risk for inadvertent over-administration of fluid</li> </ul>	

(Continued)



CATEGORY	BASIC LIFE SUPPORT (BLS) All ages		ADVANCED LIFE SUPPORT (ALS) (All BLS equipment PLUS the following) All ages	
	Adult-specific	Pediatric-specific	Adult-specific	Pediatric-specific
Neonatal Care		<p><b>PEDIATRIC SPECIFIC</b> Newborn delivery supplies:</p> <ul style="list-style-type: none"> <li>• 2 umbilical cord clamps</li> <li>• Tool for cutting umbilical cord</li> <li>• Bulb suction</li> <li>• Infant head cover</li> <li>• Towels</li> <li>• Blanket</li> <li>• Gauze dressings</li> <li>• Material or device intended to maintain body temperature</li> </ul>		No additional ALS recommendations
Orthopedic Injury Care		<ul style="list-style-type: none"> <li>• Splinting material or commercial devices for immobilization of orthopedic extremity injuries including but not limited to: <ul style="list-style-type: none"> <li>• Femoral splinting materials which may include either simple non-traction devices or devices that provide femoral traction.<sup>d</sup> [26] [27]</li> <li>• Pelvic splinting materials which may include either a commercial pelvic circumferential compression device (PCCD) designed specifically to splint the pelvis, or a dedicated bedsheet and towel clips to perform circumferential pelvic antishock sheeting [28] [29] [30] [31] [32]</li> </ul> </li> <li>• Cold packs</li> <li>• Elastic bandages</li> </ul>		No additional ALS recommendations
Patient Packaging, Evacuation, and Transport		<ul style="list-style-type: none"> <li>• Extrication board/device<sup>e</sup> [33]</li> <li>• Materials or devices that can be utilized to provide spinal motion restriction of the cervical, thoracic, and lumbar spine for neonates to adults</li> <li>• Portable stretcher or litter</li> <li>• Collapsible “stair chair”</li> <li>• Wheeled multi-level gurney</li> </ul> <p><b>PEDIATRIC SPECIFIC</b></p> <ul style="list-style-type: none"> <li>• Pediatric-specific restraint system or age/size-appropriate car safety seat<sup>6</sup> [34] [35]</li> </ul>		No additional ALS recommendations

(Continued)

CATEGORY	BASIC LIFE SUPPORT (BLS) All ages		ADVANCED LIFE SUPPORT (ALS) (All BLS equipment PLUS the following) All ages	
	Adult-specific	Pediatric-specific	Adult-specific	Pediatric-specific
<b>Safety</b>	<ul style="list-style-type: none"> <li>• Fire Extinguisher (5lb ABC) [36]</li> <li>• ANSI Class 2 or 3 reflective vest or outerwear [37]</li> <li>• Impact-resistant eye protection (ANSI Z87.1) [38]</li> <li>• Nonflammable reflective and/or illuminated roadside warning devices</li> <li>• Portable reusable light source</li> </ul>		No additional ALS recommendations	
<b>Temperature Management and Heat-loss Prevention</b>	<ul style="list-style-type: none"> <li>• Blankets</li> <li>• Towels</li> <li>• Heat packs</li> </ul>		No additional ALS recommendations	
<b>Miscellaneous items</b>	<ul style="list-style-type: none"> <li>• Bandage/trauma shears</li> <li>• A device that allows for two-way communication between the field and EMS communications/dispatch centers, direct medical control, and receiving hospitals</li> <li>• Triage Marking System (colored tape, tags, or other system) that is interoperable with other local healthcare system entities and that follows recommendations from the U.S. Dept of Health and Human Services Assistant Secretary for Preparedness and Response (ASPR) [39]</li> </ul>		No additional ALS recommendations	

**Items that should no longer be carried on BLS or ALS ground ambulances due to evidence of harm or proven lack of clinical efficacy**

- Military Antishock Trousers (MAST), aka Pneumatic Antishock Garment (PASG) [40]
- Syrup of Ipecac [41]

<sup>a</sup>Laryngoscopy equipment is included to facilitate ALS provider identification and mechanical removal of upper airway foreign bodies using Magill forceps, regardless of whether the ALS agency includes pediatric or adult endotracheal intubation within their ALS provider scope of practice.

<sup>b</sup>Depending on locally approved scope of practice and locally applicable protocol(s) other invasive airways (endotracheal tubes, needle or surgical cricothyrotomy supplies) may also be carried but are not recommended to be universally required on all ALS ground ambulances.

<sup>c</sup>Wound packing material may include plain gauze and/or hemostatic dressings.

<sup>d</sup>Traction is not a necessary or required element of prehospital stabilization of suspected femur fracture(s) and is often contraindicated [26] [27].

<sup>e</sup>Devices used for extrication, such as backboards, should not be used for transport. Whenever feasible, patients should be removed from extrication devices prior to transport. Spinal Motion Restriction can be maintained by securing the patient to the transport stretcher. [33].

<sup>f</sup>Restraint devices should meet applicable crash-testing standards, as they are developed and published, and should appropriately meet individual patient weight, length, and developmental status needs [34] [35]

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**ATTACHMENT D**

<b>Region</b>	<b>Agency Name</b>	<b>County</b>	<b>FY 2024 Ambulance Count</b>	<b>FY 2024 GTCNC Award Amount</b>
1	Ambucare, LLC	Haralson	7	\$ 5,217.19
1	Metro Atlanta	Bartow	11	\$ 8,198.45
1	Bartow County Fire	Bartow	2	\$ 1,490.63
1	Puckett EMS	Catoosa	5	\$ 3,726.57
1	Atrium Floyd EMS	Chattooga	5	\$ 3,726.57
1	Cherokee County Emergency Services	Cherokee	25	\$ 18,632.83
1	Dade County EMS	Dade	5	\$ 3,726.57
1	CHI Memorial Hospital EMS	Dade	2	\$ 1,490.63
1	Fannin County Fire and EMS	Fannin	7	\$ 5,217.19
1	Atrium Floyd Emergency Medical Services	Floyd	19	\$ 14,160.95
1	Redmond Regional EMS	Floyd	13	\$ 9,689.07
1	Gilmer County Fire and EMS	Gilmer	6	\$ 4,471.88
1	Gordon County Ambulance-Adventist	Gordon	9	\$ 6,707.82
1	Adventist Health	Murray	7	\$ 5,217.19
1	Metro Atlanta	Paulding	11	\$ 8,198.45
1	Pickens County EMS	Pickens	8	\$ 5,962.51
1	Redmond Regional EMS	Polk	6	\$ 4,471.88
1	Walker County Fire	Walker	1	\$ 745.31
1	CHI Memorial Hospital EMS	Walker	10	\$ 7,453.13
1	Hamilton EMS	Whitfield	13	\$ 9,689.07
2	Banks County Fire and EMS	Banks	7	\$ 5,217.19
2	Central Emergency Med Services Inc	Forsyth	10	\$ 7,453.13
2	Dawson County Emergency Services	Dawson	7	\$ 5,217.19
2	Forsyth County EMS	Forsyth	1	\$ 745.31
2	Franklin County EMS	Franklin	7	\$ 5,217.19
2	Habersham County EMS	Habersham	10	\$ 7,453.13
2	Hall County Fire Services	Hall	22	\$ 16,396.89
2	Hart County EMS	Hart	9	\$ 6,707.82
2	Lumpkin County Emergency Services	Lumpkin	7	\$ 5,217.19
2	Rabun County EMS	Rabun	8	\$ 5,962.51
2	Stephens County Emergency Medical Services	Stephens	6	\$ 4,471.88
2	Towns County EMS	Towns	5	\$ 3,726.57
2	Union County EMS	Union	7	\$ 5,217.19
2	Northeast Georgia Physicians Group, INC	White	6	\$ 4,471.88
3	Atlanta Fire Rescue Department	Fulton	10	\$ 7,453.13
3	City of Forest Park Fire EMS	Clayton	5	\$ 3,726.57
3	City of Morrow Fire and EMS	Clayton	3	\$ 2,235.94
3	Clayton County Fire and Emergency Services	Clayton	23	\$ 17,142.21
3	Metro Atlanta	Cobb	38	\$ 28,321.91
3	Puckett EMS	Cobb	26	\$ 19,378.15
3	Dekalb County Fire	Dekalb	7	\$ 5,217.19
3	American Medical Response	Dekalb	60	\$ 44,718.80
3	Douglas County Fire and EMS	Douglas	12	\$ 8,943.76
3	American Medical Response	Fulton	29	\$ 21,614.09
3	City of Hapeville	Fulton	3	\$ 2,235.94
3	Grady EMS	Fulton	108	\$ 80,493.84
3	Gwinnett County Fire/EMS	Gwinnett	49	\$ 36,520.35
3	National EMS	Newton	7	\$ 5,217.19
3	Piedmont Newton Hospital EMS	Newton	0	\$ -
3	National EMS	Rockdale	11	\$ 8,198.45
4	Butts County Fire Department	Butts	7	\$ 5,217.19
4	Coweta County EMS	Coweta	14	\$ 10,434.39
4	Fayette County Department of Fire Services & Emergency Services	Fayette	8	\$ 5,962.51
4	Heard County Emergency Services	Heard	6	\$ 4,471.88
4	Henry County Fire Rescue	Henry	20	\$ 14,906.27
4	AmeriPro EMS	Lamar	2	\$ 1,490.63
4	Meriwether County EMS	Meriwether	11	\$ 8,198.45
4	Peachtree City Fire Department	Fayette	6	\$ 4,471.88
4	AmeriPro EMS	Pike	3	\$ 2,235.94
4	Spalding Regional Medical Center EMS	Spalding	12	\$ 8,943.76
4	American Medical Response	Troup	18	\$ 13,415.64
4	AmeriPro EMS	Upson	6	\$ 4,471.88
4	West Georgia Ambulance Service	Carroll	15	\$ 11,179.70
4	West Point Fire Department	Troup	2	\$ 1,490.63

5	Grady EMS	Baldwin	7	\$ 5,217.19
5	Atrium Health Navicent EMS	Bibb	23	\$ 17,142.21
5	Community Ambulance MGAS Holdings, INC	Bibb	14	\$ 10,434.39
5	Heartland EMS	Bleckley	12	\$ 8,943.76
5	Community Ambulance MGAS Holdings, INC	Crawford	2	\$ 1,490.63
5	Dodge County EMS	Dodge	6	\$ 4,471.88
5	Hancock County EMS	Hancock	2	\$ 1,490.63
5	Houston County EMS	Houston	16	\$ 11,925.01
5	Jasper County EMS	Jasper	4	\$ 2,981.25
5	Johnson County EMS	Johnson	4	\$ 2,981.25
5	Atrium Helath Navicent EMS	Jones	1	\$ 745.31
5	Laurens County EMS	Laurens	12	\$ 8,943.76
5	Monroe County EMS	Monroe	6	\$ 4,471.88
5	Montgomery-Toombs-Montgomery EMS	Montgomery	1	\$ 745.31
5	Peach County	Peach	4	\$ 2,981.25
5	Heartland EMS	Pulaski	3	\$ 2,235.94
5	Putnam County EMS	Putnam	5	\$ 3,726.57
5	Telfair County EMS	Telfair	5	\$ 3,726.57
5	Atrium Health Navicent EMS	Treutlen	2	\$ 1,490.63
5	Atrium Health Navicent EMS	Twiggs	1	\$ 745.31
5	Washington County EMS	Washington	5	\$ 3,726.57
5	Wheeler County Ambulance Service	Wheeler	3	\$ 2,235.94
5	Wilcox County EMS	Wilcox	4	\$ 2,981.25
5	Heartland EMS	Wilkinson	3	\$ 2,235.94
6	Burke County EMA	Burke	13	\$ 9,689.07
6	Gold Cross EMS, INC	Columbia	11	\$ 8,198.45
6	Emanuel County EMS	Emanuel	5	\$ 3,726.57
6	Gold Cross EMS, INC	Jefferson	4	\$ 2,981.25
6	Jenkins County Ambulance Service	Jenkins	3	\$ 2,235.94
6	Lincoln County OES	Lincoln	4	\$ 2,981.25
6	McDuffie County EMS	McDuffie	6	\$ 4,471.88
6	Central Emergency Med Services Inc	Richmond	15	\$ 11,179.70
6	Screven County EMS	Screven	4	\$ 2,981.25
6	Warren County EMS	Warren	3	\$ 2,235.94
6	Wilkes County EMS	Wilkes	5	\$ 3,726.57
7	Unified Government of Cusseta-Chattahoochee County EMS	Chattahoochee	2	\$ 1,490.63
7	AmeriPro EMS	Clay	1	\$ 745.31
7	Columbus Fire and Emergency Medical Services	Muscogee	10	\$ 7,453.13
7	EMS Care Ambulance	Muscogee	5	\$ 3,726.57
7	Harris County EMS	Harris	8	\$ 5,962.51
7	Macon County EMS	Macon	4	\$ 2,981.25
7	Marion County EMS	Marion	3	\$ 2,235.94
7	Community Ambulance MGAS Holdings, INC	Muscogee	5	\$ 3,726.57
7	AmeriPro EMS	Quitman	1	\$ 745.31
7	AmeriPro EMS	Randolph	3	\$ 2,235.94
7	Schley County EMS	Schley	3	\$ 2,235.94
7	Stewart County EMS	Stewart	3	\$ 2,235.94
7	Talbot County EMS	Talbot	3	\$ 2,235.94
7	Taylor County EMS	Taylor	4	\$ 2,981.25
7	Webster County Fire/EMS	Webster	2	\$ 1,490.63
8	Grady EMS	Baker	2	\$ 1,490.63
8	AmeriPro EMS	Ben Hill	3	\$ 2,235.94
8	Berrien County EMS	Berrien	4	\$ 2,981.25
8	Grady EMS	Brooks	4	\$ 2,981.25
8	Calhoun County EMS	Calhoun	2	\$ 1,490.63
8	Colquitt County EMS	Colquitt	7	\$ 5,217.19
8	Colquitt/Miller County Fire/EMS	Miller	5	\$ 3,726.57
8	Grady EMS	Cook	6	\$ 4,471.88
8	Crisp County EMS	Crisp	7	\$ 5,217.19
8	Grady EMS	Decatur	5	\$ 3,726.57
8	Dooly County EMS	Dooly	4	\$ 2,981.25
8	Dougherty County EMS	Dougherty	14	\$ 10,434.39
8	South Georgia Medical Center	Echols	0	\$ -
8	Grady County EMS	Grady	5	\$ 3,726.57
8	Irwin County EMS	Irwin	4	\$ 2,981.25
8	South Georgia Medical Center	Lanier	4	\$ 2,981.25
8	Lee County EMS	Lee	8	\$ 5,962.51
8	LifeBrite of Early County	Early	3	\$ 2,235.94

8	South Georgia Medical Center	Lowndes	14	\$ 10,434.39
8	Grady EMS	Mitchell	6	\$ 4,471.88
8	Grady EMS	Seminole	2	\$ 1,490.63
8	Gold Star EMS	Sumter	4	\$ 2,981.25
8	Terrell County EMS	Terrell	4	\$ 2,981.25
8	Thomas County EMS	Thomas	11	\$ 8,198.45
8	Tift County Fire and Rescue	Tift	8	\$ 5,962.51
8	Turner County EMS	Turner	4	\$ 2,981.25
8	Worth County EMS	Worth	5	\$ 3,726.57
9	Alma Bacon County EMS	Bacon	5	\$ 3,726.57
9	Appling County EMS	Appling	5	\$ 3,726.57
9	Atkinson County EMS	Atkinson	2	\$ 1,490.63
9	Brantley County EMS	Brantley	6	\$ 4,471.88
9	Bryan County EMS	Bryan	15	\$ 11,179.70
9	Bulloch County EMS	Bulloch	9	\$ 6,707.82
9	Camden County EMS	Camden	9	\$ 6,707.82
9	Candler County EMS	Candler	5	\$ 3,726.57
9	Charlton County EMS	Charlton	6	\$ 4,471.88
9	Mercy Ambulance	Chatham	46	\$ 34,284.41
9	Clinch County EMS-Gold Star	Clinch	4	\$ 2,981.25
9	Coffee Regional Medical Center EMS	Coffee	8	\$ 5,962.51
9	Effingham County EMS	Effingham	11	\$ 8,198.45
9	Evans County EMS	Evans	5	\$ 3,726.57
9	Excelsior Ambulance	Long	5	\$ 3,726.57
9	Glynn County Fire	Glynn	11	\$ 8,198.45
9	Jeff Davis County EMS	Jeff Davis	4	\$ 2,981.25
9	Jekyll Island Fire/EMS	Glynn	3	\$ 2,235.94
9	Liberty County EMS	Liberty	9	\$ 6,707.82
9	McIntosh County EMS	McIntosh	4	\$ 2,981.25
9	Pierce County EMS	Pierce	3	\$ 2,235.94
9	Tattnall County EMS	Tattnall	6	\$ 4,471.88
9	Toombs-Toombs-Montgomery EMS	Toombs	9	\$ 6,707.82
9	Ware County EMS	Ware	6	\$ 4,471.88
9	Wayne County EMS	Wayne	5	\$ 3,726.57
10	Barrow County Fire and EMS	Barrow	9	\$ 6,707.82
10	Northeast Georgia Physicians Group	Barrow	0	\$ -
10	National EMS	Clarke	16	\$ 11,925.01
10	Elbert County EMS	Elbert	7	\$ 5,217.19
10	Greene County EMS	Greene	8	\$ 5,962.51
10	Jackson County EMS	Jackson	13	\$ 9,689.07
10	Madison County EMS	Madison	8	\$ 5,962.51
10	National EMS	Morgan	4	\$ 2,981.25
10	National EMS	Oconee	4	\$ 2,981.25
10	Oglethorpe County EMS	Oglethorpe	4	\$ 2,981.25
10	Walton County EMS	Walton	9	\$ 6,707.82
			1508	\$1,123,932.44






# Final FY 2024 GTC EMS Trauma Equip Grant Application

Final Audit Report

2023-09-29

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