

# EL DORADO COUNTY EMS AGENCY

## FIELD POLICIES

Effective: July 1, 2015

Reviewed: July, 2017

Revised: July 2019

Scope: ALS Personnel



EMS Agency Medical Director

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### ALS UNIT MINIMUM EQUIPMENT INVENTORIES

#### PURPOSE:

A standardized inventory control program will ensure that effective levels of ALS equipment and medications are maintained and carried on approved ALS units.

#### DEFINITIONS:

Minimum Equipment Inventory - A minimum inventory of equipment and medication that is required to be carried on approved Advanced Life Support (ALS) units. More equipment may be carried if deemed appropriate by an ALS contractor.

ALS Transporting Unit – Means an ALS ambulance that is capable of transporting patients.

ALS Non-Transporting Unit – Means an engine, squad, truck, or other type of response unit that is capable of providing full ALS on a full or part-time basis.

ALS Assessment Unit – Means a, squad, truck, or other type of response unit that is capable of providing limited ALS for special events.

#### POLICY:

- 1) The EMS Medical Director has the authority to set the minimum standard for ALS equipment and medications that are to be maintained. This standard shall meet State and local policies, protocols and regulations, and shall ensure the capability to provide an ALS level of patient care. Each ALS provider shall implement an inventory control program to ensure that all ALS units have appropriate ALS equipment and that medications are stocked to at least the minimum level inventory required.
- 2) When determining what inventory your unit(s) will carry, keep in mind the potential for multiple patients and/or multiple calls before restocking. For non-transporting and assessment units this limited inventory may necessitate restocking from the ALS transporting unit prior to transport of the patient in order for the non-transporting unit to stay "in-service".
- 3) Records of daily inventory shall be retained by the ALS contractor for a minimum of twenty-four (24) months.
- 4) **For non-transporting and assessment units:** Contractors with issues in regards to controlled substances (morphine sulfate, Fentanyl, and midazolam) may request an exception to this equipment inventory by submitting a letter to the EMS Agency Medical Director requesting that they not be required to carry morphine sulfate or midazolam. This letter must describe the reason(s) that the contractor desires to exclude these medications from their inventory. The EMS Agency Medical Director will either approve or deny the exception and will notify the contractor in writing of his or her decision.

ALS TRANSPORTING UNIT	ALS NON-TRANSPORTING UNIT	ALS ASSESSMENT UNIT	AIRWAY
2	2	2	Needle Thoracotomy Kits Consisting of: <ul style="list-style-type: none"> <li>• 3 1/4" 10 Gauge Cath (For adults)</li> <li>• 2" 14 Gauge Cath (For pediatrics)</li> <li>• Chlorhexidine Prep/Swab</li> </ul>
1	1	1	Needle Cricothyroidotomy Kits Consisting of: <ul style="list-style-type: none"> <li>• ENK Flow Modulator</li> <li>• Reinforced 10-14 Gauge Cath (At least 2 1/2" long)</li> <li>• Chlorhexidine Prep/Swab</li> <li>• 5 mL Syringe</li> <li>• Normal Saline Acorn or Vial</li> <li>• Twill Tape</li> </ul>
1	N/A	N/A	Main Oxygen Tank w/2 Flow Meters (Minimum oxygen level of 750 PSI)
2	2	1	Portable Oxygen Tanks (Minimum oxygen level of 500 PSI)
1	1	1	Portable Oxygen Regulator
2	N/A	N/A	Oxygen Humidifier
Opt.	Opt.	Opt.	N2O2/CPAP Adapter (Pigtail) * Optional if N2O2 not used and disposable CPAP is used.
1	1	1	Adult BVM w/Mask & O2 Supply Tubing
1	1	1	Child BVM w/Mask & O2 Supply Tubing
1	1	1	Infant BVM w/Mask & O2 Supply Tubing
2	1	Opt.	Peep Valves
6	1	1	Adult Nasal Cannulas
2	1	Opt.	Pediatric Nasal Cannulas
6	1	1	Adult Non-Rebreather Masks
2	1	1	Pedi Non-Rebreather Masks
2	1	Opt.	Infant Non-Rebreather Masks
2	1	Opt.	AeroEclipse Nebulizers
2	1	1	Nebulizers for Inhaled Meds
2*	1*	Opt.	Nebulizer Mask (*optional if non-re-breather mask can be converted to nebulizer mask)
2	1	Opt.	Nebulizer BVM Adapters

**Key:**

Opt. = Optional

N/A = Not applicable

\* = See notes for special information

ALS TRANSPORTING UNIT	ALS NON-TRANSPORTING UNIT	ALS ASSESSMENT UNIT	AIRWAY continued
2	1	1	Intubation Kit(s) Consisting of: <ul style="list-style-type: none"> <li>• Oropharyngeal Airways Sizes #1 thru #6</li> <li>• Nasopharyngeal Airways Sizes 20 FR – 36 FR</li> <li>• Cuffed Endotracheal Tubes Sizes 6.0 – 9.0 (half sizes are optional)</li> <li>• Endotrol Endotracheal Tubes Sizes 6.0, 7.0, and 8.0</li> <li>• Adult Laryngoscope Handle (pediatric sized handle is optional)</li> <li>• Full Set of Disposable Laryngoscope Blades (straight and curved)</li> <li>• 10 mL Syringe</li> <li>• Stylettes (1 adult)</li> <li>• 2 ET Securing Devices</li> <li>• Magil Forceps (1 adult and 1 pediatric)</li> <li>• Spare Laryngoscope Batteries (1 set for each handle)</li> <li>• BAAM Device</li> <li>• 4 Water Soluble Lubricating Jelly Packets</li> <li>• End Tidal CO2 Detectors (1 adult and 1 pediatric)</li> <li>• ET Tube Introducer (ETI)/Bougie</li> </ul>
Opt.	Opt.	Opt.	Video Intubation Device (Non-brand specific)
1	1	1	Air-Q SP: <ul style="list-style-type: none"> <li>• Air-Q SP in sizes 1.0, 1.5, 2.0, 2.5, 3.5, 4.5</li> <li>• Water based lubricant</li> </ul>
1	1	1	Pulse Oximeter
1	Opt.	Opt.	Spare SPO2 Sensor
2	Opt.	Opt.	Pedi Pulse Oximetry Sensors
Opt.	Opt.	Opt.	Nitrous Delivery System: 1 MatrX Unit/ 1 Mask/ 5 Mouthpieces
1*	1*	1	CPAP

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ALS TRANSPORTING UNIT	ALS NON-TRANSPORTING UNIT	ALS ASSESSMENT UNIT	SUCTION
1	NA	NA	On Board Suction Unit
1	1	Opt.	Battery Operated Portable Suction Unit
3	Opt.	Opt.	Spare Suction Canisters/Bags W/ Lids
3	1	Opt.	Suction Connecting Tubing
3	1	Opt.	Yankauer/Tonsil Tip Catheters
2	1	Opt.	#10 French Suction Catheters
2	1	Opt.	#14 French Suction Catheters
2	1	Opt.	#16 French Suction Catheters
1	1	Opt.	60 cc Syringe (Luer tapered style tip)
1	Opt.	Opt.	#14 French Salem Sump NG Tube
Opt.	Opt.	1*	Hand Held Suction Device (*Optional if battery powered suction is carried)

ALS TRANSPORTING UNIT	ALS NON-TRANSPORTING UNIT	ALS ASSESSMENT UNIT	EKG
1	Opt.	Opt.	12 Lead/ETCO2 Capable Biphasic Monitor/Defibrillator w/Pacing <b>(Test to manufacturers specifications)</b>
N/A	1	1	Biphasic Monitor/Defibrillator w/Pacing <b>(Test to manufacturers specifications )</b>
1	1	1	12 Lead Cables
2	1	1	ECG Leads (Cables)
2	1	1	Spare ECG Paper
8	2	2	Adult Electrode Sets
4	1	1	Pediatric Electrode Sets
2	2	1	Pedi Multi-Function Defibrillation/Pacing Pads
2	1	1	Spare Monitor Batteries
1	1	1	ETCO2 Set (cable and adult and pediatric adapters)

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ALS TRANSPORTING UNIT	ALS NON-TRANSPORTING UNIT	ALS ASSESSMENT UNIT	IV
8	2	1	Normal Saline IV Solutions 1000 mL
2	1	Opt.	Normal Saline IV Solution 100 mL
8	2	1	IV Administration Sets (Macro-Drip)
Opt.	Opt.	Opt.	Adjustable IV drip tubing may be used in lieu of macro/micro drip tubing. If used, the inventory of all drip tubing may be reduced by 50%.
2	1	Opt.	IV Administration Sets (Micro-Drip)
5	2	2	Saline Locks
2	Opt.	Opt.	Buretrol Sets (150 mL each)
3	1	1	Normal Saline Vials or Preloaded Syringes 5-10mL
2	Opt.	Opt.	Dial-A-Flows
2	Opt.	Opt.	3 Way Valve w/Extensions
4	1	1	Blood Tube Sets
4	1	1	Vacutainer Barrels
8	2	1	Vacutainer Luer Adapters
1	1	1	Blood Glucose Meter ( <b>Calibrate weekly and upon opening a new box of test strips</b> )
1	1	1	Box of Glucose Meter Test Strips
1	1	1	Glucose Meter Testing Solution (High and Low) Must be replaced 90 days after initial opening.
8	3	2	Lancets
10	5	3	Isopropyl Alcohol Preps
30	10	5	Chlorhexidine Preps/Swabs
2	1	1	Prep Razors
4	2	2	IV Tourniquets (Latex Free)
4	1	1	Rolls of Transpore Tape 1"
10	2	2	Sterile IV Site Covers
6	2	Opt.	14 ga. IV Catheters
6	2	1	16 ga. IV Catheters
8	2	2	18 ga. IV Catheters 1.25"
8	2	2	20 ga. IV Catheters 1.25"
4	1	1	22 ga. IV Catheters 1.25"
Opt.	Opt.	Opt.	23 ga. Butterfly Catheter

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**ALS UNIT MINIMUM EQUIPMENT INVENTORIES**

**CONTINUED**

Opt.	Opt.	Opt.	25 ga. Butterfly Catheter
1	1	1*	IO Kit (Either Brand): 1 EZ-IO Bag with the Following Supplies: <ul style="list-style-type: none"> <li>• 1 EZ-IO® Driver</li> <li>• 2 EZ-IO® LD Needles (Large Adult)</li> <li>• 2 EZ-IO® Adult Needles</li> <li>• 2 EZ-IO® Pediatric (N/A for ALS Non-Transporting/ Assessment Units)</li> <li>• 2 EZ-Connect Tubings</li> <li>• 1 Pressure Bag</li> <li>• 1 Lidocaine HCl 2%/100 mg. Pre-Load (Recommended)</li> <li>• 2 10 mL Normal Saline Preloaded Syringes (Recommended)</li> <li>• 1 EZ-IO Wristband</li> <li>• 4 Chlorhexidine Preps/Swabs</li> <li>• 2 Sterile 4x4 Dressings</li> <li>• 1 EZ-Stabilizer</li> </ul>
4	1	Opt.	Twin Catheters
5	2	1	1 mL Syringes
5	2	1	3 mL Syringes
6	2	1	5 mL Syringes
8	1	1	10 mL Syringes
4	2	2*	18 ga. Transfer or Injection Needles *Assessment units may carry either 18 or 20 ga.
4	2	Opt.	20 ga. Transfer or Injection Needles
5*	2*	Opt.*	Filter Needles in Assorted Sizes (*mandatory if carrying ampules)
5	2	1	MAD Intranasal Atomizers

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ALS TRANSPORTING UNIT	ALS NON-TRANSPORTING UNIT	ALS ASSESSMENT UNIT	MEDs
147 mL (5 oz)	Opt.	Opt.	Acetaminophen 160 mg/5mL (Liquid )
100 G	50 G	Opt.	Activated Charcoal (without Sorbitol)
36 mg	18 mg	6 mg	Adenocard
15 mg	5 mg	Opt.	Albuterol Sulfate
N/A	N/A	2	Albuterol HFA 108mcg/inhalation with Aerochamber Spacer <b>(Fireline Paramedic Only)</b>
4	2	1	Albuterol / Atrovent Mixed (DuoNeb)
1200 mg	450 mg	300 mg	Amiodarone in 150 mg Preloaded Syringes or 3 ml Vials
1 bttl	1 bttl	1 bttl	Aspirin (Chewable 80 mg.)
3 mg	2 mg	1 mg	Atropine Sulfate/1 mg. Pre-Load Syringes
16 mg	8 mg	Opt.	Atropine Sulfate/8 mg. Vial
2 G	1 G	Opt.	Calcium Chloride 10%/1 G. Pre-Load Syringes
Opt.	Opt.	Opt.	50% Dextrose/25 G. Pre-Load Syringes <b>(FOR CODE USE ONLY)</b>
125 G	50 G	25 G	10% Dextrose/25G (250cc NS)
100 mg	50 mg	50 mg	Diphenhydramine 50 mg Vials or Pre-load Syringes
2 bags	1 bag	Opt.	Dopamine 400 mg in 250 mL (Plus Drip Chart)
10 mg	4 mg	2 mg	Epinephrine 1:10,000 Pre-Load Syringes 1 mg/10 mL
6 mg	3 mg	3 mg	Epinephrine 1:1000 Multi-Dose 1mg Vials (may use ampules)
Opt.	Opt.	Opt.	Epinephrine Auto Injector 0.3mg
Opt.	Opt.	Opt.	Epinephrine Auto Injector 0.15mg
300 mcg	100 mcg*	100 mcg*	Fentanyl (100 mcg/2 mL Carpujets or vials) (*Optional w/ Medical Director's approval)
2 mg	1 mg	1 mg	Glucagon
120 mL (4 oz)	Opt.	Opt.	Ibuprofen 100 mg/5mL
400 mg	200 mg	100 mg	Lidocaine HCl 2%/100 mg. Pre-Load
30	15	Opt.	Lidocaine Viscous* 2%/15 mL (*Lidocaine Jelly 2% may be

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ml	ml		substituted)
6 g	2 g	Opt.	Magnesium Sulfate
24 mg	8 mg*	8 mg*	Morphine Sulfate (Supplied in 4 mg Carpujets) (*Optional w/ Medical Director's approval) <b>ONLY REQUIRED IF FENTANYL IS NOT AVAILABLE</b>
<b>ALS TRANSPORTING UNIT</b>	<b>ALS NON-TRANSPORTING UNIT</b>	<b>ALS ASSESSMENT UNIT</b>	<b>MEDs continued</b>
8 mg	4 mg	2 mg	Narcan
Opt	Opt	Opt	Narcan prefilled single dose nasal spray 4mg/0.1mL
1	1	1	Neosynephrine Spray (up to a 1% solution)
1 bttl	1 bttl	1 bttl	Nitroglycerine 1/150 SL Spray or Tablets
3 G	1 G	Opt.	NTG Paste 2% (30g tube or 1g packets)
Opt.	Opt.	Opt.	Nitronox (*at least one completely full)
48 mg	16 mg	Opt.	Ondansetron Oral Dissolving Tablets (4 mg or 8 mg each)
48 mg	16 mg	8 mg	Ondansetron Vials or Pre-load Syringes 4 mg/2 mL
30 G	15 G	15 G	Oral Glucose 15 g
150 mEq	100 mEq	Opt.	Sodium Bicarbonate/50 mEq. Pre-Load Syringes
15 mg	10 mg*	5 mg*	Versed (5 mg/mL concentration) (*Optional w/ Medical Director's approval)

<b>ALS TRANSPORTING UNIT</b>	<b>ALS NON-TRANSPORTING UNIT</b>	<b>ALS ASSESSMENT UNIT</b>	<b>INFECTION CONTROL</b>
1*	1*	1*	Hepa (P100) Masks. N95 mask may also be carried, but a minimum of one P100 mask *PER EMT-P is required for high level procedures such as intubation
2	1	1	Disposable Gowns
1	1	1	Hand Cleaner Bottle/ Wipes
2		1	Sharps Containers
1	1	1	Protective Eye Glasses Per Paramedic
Opt.	Opt.	Opt.	Spit Sock Hood
1	Opt.	Opt.	Disinfectant Spray
5	2	2	Large Bio-Hazard Bags
2 sets	Opt.	Opt.	Non-Latex Sterile gloves ( XL, L, M) <b>Non-Latex gloves only</b>

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**ALS UNIT MINIMUM EQUIPMENT INVENTORIES**

**CONTINUED**

1	1	1	Non-Latex Protective Gloves (*1 box sized for each crewmember) <b>Non-Latex gloves only</b>
2	2	2	Emesis Bag/Basin
1	Opt.	Opt.	Post Exposure Kit, containing: 2 Red Top and 1 Purple Top Blood Tube(s), and set of instructions

ALS TRANSPORTING UNIT	ALS NON-TRANSPORTING UNIT	ALS ASSESSMENT UNIT	TRAUMA
10	5	5	Sterile 4x4 Dressings
4" stack	Opt.	Opt.	Non-Sterile 4x4 Dressings
5	2	2	Roller Gauze 4.5"
5	2	2	Combine Dressings 5" x 9"
2	1	1	Multi Trauma Dressings
2	2	1	Petroleum Gauze
2	5	5	Adhesive Bandages
6	2	2	QuickClot® Combat Gauze™ Z-Fold Dressing or QuickClot® 1 <sup>st</sup> Response™ 5" clotting sponge dressing pack
2	1	1	Israeli/Pressure Bandage 4" (without mobile pad)
1 box	1	1	Triangular Bandages
1	1*	1*	Burn Kit consisting of: <ul style="list-style-type: none"> <li>• *Face Mask</li> <li>• *2 - Sheets</li> <li>• *2 - 15"x20" Dressings</li> <li>• 2 - 12"x15" Dressings</li> <li>• 2 - 12"x12" Dressings</li> </ul> *Only items with an asterisk are required on non-transporting and assessment units.
2	1	1	1000 mL Sterile Irrigation Solution
4	1	1	2" Cloth Tape Rolls
2	1	1	Elastic Bandages
2	1	1	Trauma Shears
2	1	1	Tourniquet (recommended C-A-T 7 <sup>th</sup> gen)
4	2	1	Hot Packs
8	2	1	Cold Packs
2	1	1	Backboards
1	Opt.	Opt.	Scoop Stretcher
6	3	1	X-Collar (or equivalent)
1	1	1	Infant Cervical Collars
2	1	1	Head Immobilizer Sets
2	1	1	Backboard Straps
1	Opt.	Opt.	KED
2	Opt.	1	Sam Splints
2	2	Opt.	Cardboard Arm Splints
2	2	Opt.	Cardboard Leg Splints

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**ALS UNIT MINIMUM EQUIPMENT INVENTORIES**

**CONTINUED**

1	1	1	Adult Traction Splint (Sager, Hare, or Kendrick)
1	1	Opt.	Pediatric Traction Splint (Kendrick Traction Device)
1	Opt.	Opt.	Pediatric Immobilizer
Opt.*	Opt.	Opt.	Pelvic Immobilization Device (T-Pod or SAM Sling) * Required if no linen sheet.
Opt.	Opt.	Opt.	Full or Half Body Vacuum Splint

ALS TRANSPORTING UNIT	ALS NON-TRANSPORTING UNIT	ALS ASSESSMENT UNIT	MISCELLANEOUS
1	1	1	OB Kit
1	1	1	Penlight
2	NA	NA	Blankets
6	NA	NA	Sheets
1	NA	NA	Pillow
4	NA	NA	Pillow Cases
Opt.	NA	NA	Rain Cover
2	2	Opt.	Emergency/CHP Blankets
1	NA	NA	Bedpan
1	NA	NA	Urinal
2	NA	NA	Soft Restraint Sets
1	NA	NA	Hard Leather or Other Hard Padded Restraint Set
1	NA	NA	Med Net Radio
Opt.	Opt.	Opt.	Stuffed Animal
1	1	1	MCI Triage Kit Consisting of: MEDIC UNIT <ul style="list-style-type: none"> <li>• 1- Triage Ribbon Dispenser</li> <li>• 1- 8 Person Go Kit</li> </ul> ENGINE <ul style="list-style-type: none"> <li>• 1- Triage Ribbon Dispenser</li> </ul>
Opt.	Opt.	Opt.	Clipboard
1*	1*	1*	Patient Care Protocols
5*	3*	2*	PCR Forms
2*	2*	1*	PCR Continuation Forms
5	3	1	Notice of Privacy Rights (HIPAA) Forms
1	1	1	Weight Based Resuscitation tool
1	1	1	Ring Cutter
1	N/A	N/A	Child Car Seat/Restraint System
Opt.	Opt.	Opt.	Automatic CPR Device (Lucas or AutoPulse)
2	1	1	Nose clips for epistaxis
1	1	1	Thermometer- Temporal or Tympanic
1	1	1	Mobile EPCR Platform

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