

EL DORADO COUNTY EMS AGENCY

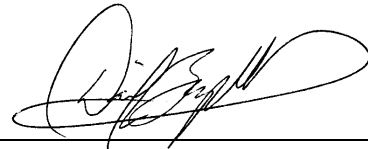
FIELD POLICIES

Supersedes: ALS Equipment policies dated July 1, 2011

Effective: **January 1, 2012**

Reviewed: November 2011

Scope: ALS Personnel



EMS Agency Medical Director

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 provider units.

DEFINITION:

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 provider.

ALS Transporting Unit - An ALS ambulance that is capable of transporting patients.

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

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 provider for a minimum of twenty-four (24) months.
- 4) **For non-transporting and assessment units:** Providers with issues in regards to controlled substances (morphine sulfate 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 provider desires to exclude these medications from their inventory. The EMS Agency Medical Director will either approve or deny the exception and will notify the provider in writing of his or her decision.

ALS TRANSPORTING UNIT	ALS NON-TRANSPORTING UNIT	ALS ASSESSMENT UNIT	AIRWAY
2	2	1	Needle Thoracostomy Kits Consisting of: <ul style="list-style-type: none"> • 2 1/2" 10 -16 Gauge Cath • 10 mL Syringe • Normal Saline Acorn or Vial • One Way Valve • Chlorhexadine Prep/Swab
1	1	1	Needle Cricothyroidotomy Kits Consisting of: <ul style="list-style-type: none"> • ENK Flow Modulator • Reinforced 10-14 Gauge Cath (At least 2 ½" long) • Chlorhexadine Prep/Swab • 5 mL Syringe • Normal Saline Acorn or Vial • Twill Tape
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
1	1	Opt.	N2O2/CPAP Adapter (Pigtail)
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"> • Oropharyngeal Airways Sizes #1 thru #6 • Nasopharyngeal Airways Sizes 20 FR – 36 FR • Uncuffed Endotracheal Tubes Sizes 2.5 – 5.5 (including half sizes) • Cuffed Endotracheal Tubes Sizes 6.0 – 9.0 (half sizes are optional) • Endotrol Endotracheal Tubes Sizes 6.0, 7.0, and 8.0 • Adult Laryngoscope Handle (pediatric sized handle is optional) • Full Set of Disposable Laryngoscope Blades (straight and curved) • 10 mL Syringe • Stylettes (1 adult and 1 pediatric) • 2 ET Securing Devices • Magil Forceps (1 adult and 1 pediatric) • Spare Laryngoscope Batteries (1 set for each handle) • BAAM Device • 4 Water Soluble Lubricating Jelly Packets • End Tidal CO2 Detectors (1 adult and 1 pediatric) • ET Tube Introducer (ETTI)/Bougie 	
1	1	1	King Airway Device Set Consisting of: <ul style="list-style-type: none"> • King LT or LTS-D Airways in sizes 2, 2.5, 3, 4*, & 5* • Water based lubricant • 60 cc or 90 cc syringe (If a 60 cc syringe is used, multiple fillings may be required) 	*Alternative to King sizes 4 & 5: Combitube Set Consisting of: <ul style="list-style-type: none"> • Combitube SA (small adult) • 140 mL Syringe • 12 mL Syringe • Deflector • 10 French Suction Catheter
1	1	1	Pulse Oximeter	
1	Opt.	Opt.	Spare SPO2 Sensor	
2	Opt.	Opt.	Pedi Pulse Oximetry Sensors	
1	Opt.	Opt.	Nitrous Delivery System: 1 MatrX Unit/ 1 Mask/ 5 Mouthpieces	
1*	1*	Opt.	WhisperFlow® CPAP Generator Model # OC 7894 (*Or Equivalent Single Use Disposable Model)	
1*	1*	Opt.	Male Adapted Oxygen Hose (*Not req. if disposable model is used)	
1*	1*	Opt.	WhisperPak® CPAP Kits Containing: <ul style="list-style-type: none"> • Head Strap • 7.5 and 5.0 CM Valves • Large and Medium Masks • Filter • Tubing (*Not required if disposable model is used) 	

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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.	Meconium Aspirator
1	1	Opt.	60 cc Syringe (Luer tapered style tip)
2	1	Opt.	#8 French Pediatric Feeding Tubes
2	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 Monophasic or Biphasic Monitor/Defibrillator w/Pacing (defibrillator must be tested daily)
N/A	1	1	Monophasic or Biphasic Monitor/Defibrillator w/Pacing (Test defibrillator daily)
1	Opt.	Opt.	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*	Defibrillation Gel/Gel Pads *Required only if paddles are carried
1	Opt.	Opt.	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
Opt.	Opt.	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 tubings may be reduced by 50%.
2	1	Opt.	IV Administration Sets (Micro-Drip)
2	Opt.	Opt.	IV Administration Sets (Blood Y)
5	2	2	Saline Locks
2	1	1	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	2	1	Blood Tube Sets
4	2	1	Vacutainer Barrels
8	4	1	Vacutainer Luer Adapters
1	1	1	Blood Glucose Meter (Calibrate weekly and upon opening a new box of test strips)
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
5	1	1	Betadine Pads
30	10	5	Chlorahexadine Preps/Swabs
2	1	1	Prep Razors
4	2	2	Penrose Drains/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"

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4	1	1	22 ga. IV Catheters 1.25"
ALS TRANSPORTING UNIT	ALS NON-TRANSPORTING UNIT	ALS ASSESSMENT UNIT	IV continued
Opt.	Opt.	Opt.	23 ga. Butterfly Catheter
Opt.	Opt.	Opt.	25 ga. Butterfly Catheter
1	1	Opt.*	<p>1 EZ-IO Bag with the Following Supplies:</p> <ul style="list-style-type: none"> • 1 EZ-IO® Driver • 2 EZ-IO® LD Needles (Large Adult) • 2 EZ-IO® Adult Needles • 2 EZ-IO® Pediatric Needles • 2 EZ-Connect Tubings • 1 Pressure Bag • 1 Lidocaine HCl 2%/100 mg. Pre-Load (Recommended) • 2 10 mL Normal Saline Preloaded Syringes (Recommended) • 1 EZ-IO Wristband • 4 Chlorhexadine Preps/Swabs • 2 Sterile 4x4 Dressings • 1 EZ-Stabilizer <p>*Assessment units may use EZ-IO needle manually without the driver and only carry one of each needle size and other supplies.</p>
4	2	Opt.	Twin Catheters
5	2	1	1 mL Syringes w/Insulin Needle
5	2	1	3 mL Syringes
6	2	1	5 mL Syringes
8	1	1	10 mL Syringes
3	1	Opt.	20 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

Key:

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ALS TRANSPORTING UNIT	ALS NON-TRANSPORTING UNIT	ALS ASSESSMENT UNIT	MEDs
100 G	50 G	Opt.	Activated Charcoal (without Sorbitol)
36 mg	18 mg	6 mg	Adenocard
15 mg	5 mg	Opt.	Albuterol Sulfate
4	2	1	Albuterol / Atrovent Mixed (DuoNeb)
1200 mg	450 mg	300 mg	Amiodarone in 150 mg Preloaded Syringes or 3 mg 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
75 G	25 G	25 G	50% Dextrose/25 G. Pre-Load Syringes
50 ml	25 ml	Opt.	Sterile Water for Injection
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	5 mg	2 mg	Epinephrine 1:10,000 Pre-Load Syringes 1 mg/10 mL
60 mg	30 mg	3 mg*	Epinephrine 1:1000 Multi-Dose 30 mL Vials (*may use ampules)
2 mg	1 mg	1 mg	Glucagon
15 ml	6 ml	Opt.	Inhalation Solution In 3 mL Acorns/Pillows
400 mg	200 mg	100 mg	Lidocaine HCl 2%/100 mg. Pre-Load
30 ml	15 ml	Opt.	Lidocaine Viscous 2%/15 mL
40 ml	20 ml	Opt.	Lidocaine 1% w/Epinephrine 1:100,000 (*Optional if Neosynephrine is carried)
4 g	2 g	Opt.	Magnesium Sulfate
32 mg	20 mg*	8 mg*	Morphine Sulfate (Supplied in 4 mg Carpujets) (*Optional w/ Medical Director's approval)
8 mg	4 mg	2 mg	Narcan

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ALS TRANSPORTING UNIT	ALS NON-TRANSPORTING UNIT	ALS ASSESSMENT UNIT	MEDs continued
1*	1*	Opt.	Neosynephrine Spray (up to a 1% solution) (*Opt.if Lido w/ Epi is carried)
2 bttl	1 bttl	1 bttl	Nitrolingual Spray
3 G	1 G	Opt.	Nitro Bid Ointment (NTG Paste) 2% (30g tube or 1g packets)
2 bttl	Opt.	Opt.	Nitronox (*at least one completely full)
20 mg	8 mg	Opt.	Ondansetron Oral Dissolving Tablets (4 mg each)
20 mg	8 mg	4 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)

ALS TRANSPORTING UNIT	ALS NON-TRANSPORTING UNIT	ALS ASSESSMENT UNIT	INFECTION CONTROL
1*	1*	1*	Hepa (P100)Masks. N95 mask may also be carried, but a minimum of one P100 mask *PER PARAMEDIC 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
1	Opt.	Opt.	Disinfectant Spray
5	2	2	Large Bio-Hazard Bags
2 sets	Opt.	Opt.	Non-Latex Sterile gloves (XL, L, M)
1	1	1	Non-Latex Protective Gloves (*1 box sized for each crewmember)
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

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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
1 box	1	1	Triangular Bandages
1	1*	1*	Burn Kit consisting of: <ul style="list-style-type: none"> • *Face Mask • *2 - Sheets • *2 - 15"x20" Dressings • 2 - 12"x15" Dressings • 2 - 12'x12" Dressings *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
4	2	1	Hot Packs
4	2	1	Cold Packs
2	1	1	Backboards
1	Opt.	Opt.	Scoop Stretcher
6	3	1	Adult Cervical Collars of appropriately assorted sizes
1	1	1	Child Cervical Collars
1	1	1	Infant Cervical Collars
4	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
1	1	1	Adult Traction Splint (Sager, Hare, or Kendrick)
1	1	Opt.	Pediatric traction Splint (Kendrick Traction Device)
1	Opt.	Opt.	Pediatric Immobilizer

Key:

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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: <ul style="list-style-type: none"> • Triage Tags 25 ALL-RISK TX5420 • All appropriate triage tracking forms and documents
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	Broselow Tape
1	1	1	Ring Cutter
1	N/A	N/A	Child Car Seat/Restraint System
1	Opt.	Opt.	Hand Cuff Key
1	1	Opt.	Padded Hemostats
Opt.	Opt.	Opt.	Automatic CPR Device (Lucas or AutoPulse)

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