



ALS UNIT MINIMUM INVENTORY

Adopted: 07/01/2015
Revision: 09/30/2025
Effective: 10/01/2025

(Signature On-file)
David Duncan MD, EMS Agency Medical Director

PURPOSE:

A standardized inventory control program will ensure that appropriate levels of Advanced Life Support (ALS) equipment and medication inventories are maintained and carried on all approved ALS units operating under the authority of the El Dorado County Local Emergency Medical Services Agency (LEMSA).

SCOPE:

This policy applies to all providers operating under the authority of the LEMS Agency, including public safety agencies and private ambulance providers.

DEFINITIONS:

Minimum Equipment Inventory - The minimum inventory of equipment and medications that are required to be carried on approved ALS units. Additional quantities of listed equipment and medications may be carried at the discretion of the ALS provider.

ALS Transport Unit - An ALS ambulance that is permitted and equipped to transport El Dorado County patients.

ALS Non-Transport Unit - A response unit such as a fire engine/truck that is capable of providing full ALS care but not capable of patient transport.

ALS Command/Utility Unit - A, squad, truck, SUV, UTV or other type of response unit that is capable of providing limited ALS support, such as incident command, special events, or rescue.

CAL-MAT - California Medical Assistance Team.

Contractor - Joint Powers Authority (JPA) under contract to provide EMS care in El Dorado County.

POLICY:

- 1) The EMS Medical Director has the authority to set the minimum standards 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 Command/Utility Units this limited inventory may necessitate restocking from the ALS Transport Unit prior to transport of the patient in order for the Non-Transport Unit to stay "in-service".
- 3) Records of daily inventory shall be retained by the Contractor for a minimum of twenty-four (24) months.

ALS UNIT MINIMUM INVENTORIES
CONTINUED

TRANSPORT	NON-TRANSPORT	COMMAND/UTILITY	CAL-MAT	AIRWAY
1	1	1	1	Approved Needle Cricothyroidotomy Kit (eg. Rüsck or similar) Example contents: - ENK Flow Modulator - Reinforced 10-14 Gauge Cath (At least 2 ½" long) - Chlorhexidine Prep/Swab - 5 mL Syringe - Normal Saline Acorn or Vial - Twill Tape
1	N/A	N/A	N/A	Main Oxygen Tank w/2 Flow Meters (Minimum oxygen level of 750 PSI)
2	2	1	1	Portable Oxygen Tanks (Minimum oxygen level of 500 PSI)
1	1	1	1	Portable Oxygen Regulator
2	N/A	N/A	N/A	Oxygen Humidifier
Opt.*	Opt.*	Opt.*	Opt.*	N2O2/CPAP Adapter (Pigtail) *optional if N2O2 not used and disposable CPAP is used.
1	1	1	1	Adult BVM w/Mask & O2 Supply Tubing
1	1	1	1	Child BVM w/Mask & O2 Supply Tubing
1	1	1	1	Infant BVM w/Mask & O2 Supply Tubing
2	1	Opt.	Opt.	Peep Valves
4	1	1	1	Adult Nasal Cannulas
2	1	Opt.	Opt.	Pediatric Nasal Cannulas
4	1	1	1	Adult Non-Rebreather Masks
2	1	1	1	Pedi Non-Rebreather Masks
2	1	Opt.	Opt.	Infant Non-Rebreather Masks
2	1	Opt.	Opt.	EMS Appropriate handheld Nebulizer
2*	1*	Opt.	1*	Nebulizer Mask *optional if non-re-breather mask can be converted to nebulizer mask
2	1	Opt.	Opt.	Nebulizer BVM Adapter

Key:

Opt. = Optional

N/A = Not applicable

* = See notes for special information

TRANSPORT	NON-TRANSPORT	COMMAND/UTILITY	CAL-MAT	AIRWAY continued
2	1	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 • Cuffed Endotracheal Tubes Sizes 6.0 – 8.5 (other half sizes are optional) • Adult Laryngoscope Handle (pediatric sized handle is optional) • Full Set of Disposable Laryngoscope Blades (straight and curved) • 10 mL Syringe • Stylets (1 adult) • 2 ET Securing Devices • Magil Forceps (1 adult and 1 pediatric) • Spare Laryngoscope Batteries (1 set for each handle) • 4 Water Soluble Lubricating Jelly Packets • End Tidal CO2 Detectors (1 adult and 1 pediatric) • ET Tube Introducer (ETTI)/Bougie
1	Opt.	Opt.	Opt.	Video Intubation Device (Non-brand specific)
1	1	1	1*	Air-Q SP: <ul style="list-style-type: none"> • Sizes 0, 0.5, 1.0, 1.5, 2.0, 3.0, 4.0, 5.0 *CALMAT substitute with I-Gel, Size 3, Size 4 and Size 5 <ul style="list-style-type: none"> • Water based lubricant
1	1	1	1	Pulse Oximeter
1	Opt.	Opt.	Opt.	Spare SPO2 Sensor
2	Opt.	Opt.	Opt.	Pedi Pulse Oximetry Sensors
Opt.	Opt.	Opt.	N/A	Nitrous Delivery System: 1 Matrix Unit/ 1 Mask/ 5 Mouthpieces
1	1	1	1	CPAP

Key:

Opt. = Optional

N/A = Not applicable

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ALS UNIT MINIMUM INVENTORIES
CONTINUED

TRANSPORT	NON-TRANSPORT	COMMAND/UTILITY	CAL-MAT	SUCTION
1	NA	NA	N/A	On Board Suction Unit (Ambulance Mounted)
1	1	Opt .	Opt .	Battery Operated Portable Suction Unit
3	Opt .	Opt .	Opt .	Spare Suction Canisters/Bags W/ Lids
3	1	Opt .	Opt .	Suction Connecting Tubing
3	1	Opt .	Opt .	Yankauer/Tonsil Tip Catheters
2	1	Opt .	Opt .	#10 French Suction Catheters
2	1	Opt .	Opt .	#14 French Suction Catheters
2	1	Opt .	Opt .	#16 French Suction Catheters
1	1	Opt .	Opt .	60 cc Syringe (Luer tapered style tip)
1	Opt .	Opt .	Opt .	#14 French Salem Sump NG Tube
1	Opt .	1*	1*	Manual Suction Unit (*Optional if battery powered suction is carried)

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TRANSPORT	NON-TRANSPORT	COMMAND/UTILITY	CAL-MAT	ECG
1	1	Opt.	1	12 Lead/ETCO2 Capable Biphasic Monitor/Defibrillator w/Pacing (Test to Manufacturer Specification)
N/A	N/A	1	N/A	Biphasic Monitor/Defibrillator w/Pacing (Test to Manufacturer Specification)
1	1	Opt.	1	12 Lead Cables
2	1	Opt.	1	ECG Leads (Cables)
2	1	Opt.	1	Spare ECG Paper
8	2	Opt.	2	Adult Electrode Sets
4	1	Opt.	Opt.	Pediatric Electrode Sets
2	2	1	1	Adult and Pedi Multi-Function Defibrillation/Pacing Pads
2	1	1	1	Spare Monitor/AED Batteries
1	1	Opt.	Opt.	ETCO2 Set (cable and adult and pediatric adapters)

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ALS UNIT MINIMUM INVENTORIES

CONTINUED

TRANSPORT	NON-TRANSPORT	COMMAND/UTILITY	CAL-MAT	IV
8	2	1	2	Normal Saline IV Solutions 1000 mL
2	1	Opt.	Opt.	Normal Saline IV Solution 100 mL
8	2	1	Opt.	IV Administration Sets (Macro-Drip)
Opt.	Opt.	Opt.	4*	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%. *CALMAT: Select 3 for all IV tubing
2	1	Opt.	Opt.	IV Administration Sets (Micro-Drip)
5	2	2	2	Saline Locks (with Extension Sets)
2	Opt.	Opt.	Opt.	Buretrol Sets (150 mL each)
3	1	1	1	Normal Saline Vials or Preloaded Syringes 5-10mL
2	Opt.	Opt.	Opt.	Dial-A-Flows
2	Opt.	Opt.	Opt.	3-Way Stopcock
2	Opt.	Opt.	N/A	Blood Tube Sets
4	Opt.	Opt.	N/A	Vacutainer Barrels
8	Opt.	Opt.	N/A	Vacutainer Luer Adapters
1	1	1	1*	Blood Glucose Meter (Calibrate according to manufacturer recommendations) *CALMAT: True Metrix Pro 4 - No Coding Required
1	1	1	1	Box of Glucose Meter Test Strips
1	1	1	N/A	Glucose Meter Testing Solution (High and Low) Must be replaced 90 days after initial opening. (May be stored off unit)
8	3	2	3	Lancets
10	5	3	*	Isopropyl Alcohol Preps *CALMAT: Contained within IV start packs, Qty 4
30	10	5	Opt.	Chlorhexidine Preps/Swabs
2	1	1	1	Prep Razors
4	2	2	*	IV Tourniquets (Latex Free) *CALMAT: Contained within IV start packs, Qty 4
4	1	1	1	Rolls of Transpore Tape 1"
10	2	2	*	Sterile IV Site Covers *CALMAT: Contained within IV start packs, Qty 4
4	Opt.	Opt.	2	14 g. IV Catheters
6	2	1	4	16 g. IV Catheters
8	2	2	4	18 g. IV Catheters 1.25"
8	2	2	2	20 g. IV Catheters 1.25"
4	1	1	2	22 g. IV Catheters 1.25"
Opt.	Opt.	Opt.	Opt.	23 g. Butterfly Catheter
Opt.	Opt.	Opt.	Opt.	25 g. Butterfly Catheter

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ALS UNIT MINIMUM INVENTORIES
CONTINUED

TRANSPORT	NON-TRANSPORT	COMMAND/UTILITY	CAL-MAT	IV continued
1	1	Opt.	*	IO Kit (Either Brand): 1 EZ-IO Bag with the Following Supplies: <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 (N/A for ALS Non-Transporting/ Assessment Units) • 2 EZ-Connect Tubing • 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 Chlorhexidine Preps/Swabs • 2 Sterile 4x4 Dressings • 1 EZ-Stabilizer *CALMAT: IO, Driver, SAM. IO, Adapter, IO Stabilizer, Needle 15mm, 25mm 45mm - all SAM brand
5	2	1	1	1 mL Syringes
5	2	1	1	3 mL Syringes
6	2	1	1	5 mL Syringes
8	1	1	1	10 mL Syringes
4	2	2	2	18 g. Transfer or Injection Needles (Assessment units/CALMAT may carry either 18 or 20 g)
4	2	Opt.	Opt.	20 g. Transfer or Injection Needles
4	2	Opt.	Opt.	Filter Needles in Assorted Sizes (mandatory if carrying ampules)
4	2	1	2	MAD Intranasal Atomizers

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ALS UNIT MINIMUM INVENTORIES
CONTINUED

TRANSPORT	NON-TRANSPORT	COMMAND/UTILITY	CAL-MAT	MEDs Par levels assume drug is available in the concentration listed. Alternatives may be allowed on a temporary basis in cases of supplier shortage.
1	Opt.	Opt.	Opt.	Acetaminophen 160 mg/5mL (Liquid)
2	1	Opt.	1	Activated Charcoal (without Sorbitol)
1 each	1 each	1 each	1 each	Adenosine (6mg) + (12mg)
2	2	1	1	Albuterol Sulfate 2.5mg
opt	opt	opt	1	Albuterol HFA 108mcg/inhalation with AeroChamber Spacer (Fireline Paramedic Only)
8	2	2	2	Albuterol 2.5mg/ Ipratropium 0.5mg Mixed (DuoNeb)
4	2	1	1	Amiodarone in 150 mg Preloaded Syringes or 3 ml Vials
1	1	1	1	Aspirin Bottle (Chewable 81 mg.) Have restock on hand at 12 tablets.
2	1	1	1	Atropine Sulfate/1 mg. Pre-Load Syringes
1	1	1	1	Atropine Sulfate/8 mg. Vial
2	1	Opt.	Opt.	Calcium Chloride 10%/1 G. Pre-Load Syringes
2	1	Opt.	1	10% Dextrose/25g (250cc bag)
2	1	1	1	Diphenhydramine 50 mg Vials or Pre-load Syringes
2	2	Opt.	N/A	Diphenhydramine PO 25mg/10mL (LOSOP)
Opt.	Opt.	Opt.	Opt.	Dopamine 400 mg in 250 mL (Plus Drip Chart)
10	4	2	2	Epinephrine 1:10,000 Pre-Load Syringes 1 mg/10 mL
6	3	3	3	Epinephrine 1:1000 1mg vials/ampules <i>(may substitute with a single multi-dose vial up to 30mg)</i>
Opt.	Opt.	Opt.	Opt.	Epinephrine Auto Injector 0.3mg
Opt.	Opt.	Opt.	Opt.	Epinephrine Auto Injector 0.15mg
4	1	Opt.	1*	Fentanyl (100 mcg/2 mL Carpujects or vials) (Non-Transport may be optional w/ Medical Director's approval) *CALMAT: Pursuant to scope
2	1	1	1	Glucagon 1mg
120mL	Opt.	Opt.	N/A	Ibuprofen 100 mg/5mL
60mg	Opt.	Opt.	Opt.	Ketamine hydrochloride
60 mg	Opt.	Opt.	Opt.	Lidocaine HCl 2%/100 mg. Pre-Load
1	1	Opt.	1	Lidocaine Viscous 2%/ 5g in 15 mL (or Lidocaine Jelly 2%) tube
30 mg	15 mg	Opt.	Opt.	Midazolam (Versed) (5 mg/mL concentration) (Optional w/ Medical Director's approval)
3	2	Opt.	1*	Magnesium Sulfate 5g *CALMAT: Pursuant to scope
4	2	Opt.	2*	Morphine Sulfate (Supplied in 4 mg Carpujets) (ONLY REQUIRED IF FENTANYL IS NOT AVAILABLE) *CALMAT: Pursuant to scope

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ALS UNIT MINIMUM INVENTORIES
CONTINUED

TRANSPORT	NON-TRANSPORT	COMMAND/UTILITY	CAL-MAT	MEDs continued Par levels assume drug is available in the concentration listed. Alternatives may be allowed on a temporary basis in cases of supplier shortage.
4	2	2	2	Narcan (injectable) 2mg
Opt.	Opt.	Opt.	Opt.	Narcan prefilled single dose nasal spray 4mg/0.1mL
1	Opt.	Opt.	Opt.	Neosynephrine Spray (up to a 1% solution)
1 btl	1 btl	1 btl	1 btl	Nitroglycerine 1/150 SL Spray or Tablets
3 g	1 g	Opt.	1 g*	NTG Paste 2% (30g tube or 1g packets) *CALMAT: Pursuant to scope
Opt.	Opt.	Opt.	N/A	Nitronox (at least one completely full)
16mg	8mg	Opt.	8 mg	Ondansetron Oral Dissolving Tablets (4 mg or 8 mg each)
4	2	Opt.	2	Ondansetron Vials or Pre-load Syringes 4 mg/2 mL
2	1	1	1	Oral Glucose 15 g
3	2	Opt.	Opt.	Sodium Bicarbonate/50 mEq. Pre-Load Syringes
4	2	2	2 g*	Tranexamic acid (TXA) 1g *CALMAT: Pursuant to scope
2	1	Opt.	Opt.	Acetaminophen IV (bag or Bottle) 1g Vented Tubing Required for Bottle

TRANSPORT	NON-TRANSPORT	COMMAND/UTILITY	CAL-MAT	INFECTION CONTROL
1*	1*	1*	1*	*Hepa (P100) Masks- (at least one per crew member -N95 mask may be substituted if P100 are unavailable)
2	1	1	1	Disposable Gown (per crewmember)
1	1	1	1	Hand Cleaner Bottle/ Wipes
2	1	1	1	Sharps Container/Shuttle
1	1	1	1	Protective Eyeglasses Per Paramedic
Opt.	Opt.	Opt.	Opt.	Spit Sock Hood
1	Opt.	Opt.	Opt.	Disinfectant Spray
5	2	2	2	Large Bio-Hazard Bags
2 sets	Opt.	Opt.	Opt.	Non-Latex Sterile gloves (XL, L, M)
1	1	1	1	Non-Latex Protective Gloves (1 box sized for each crewmember)
2	2	2	2	Emesis Bag/Basin
1	Opt.	Opt.	N/A	Post Exposure Kit, containing: 2 Red Top and 1 Purple Top Blood Tube(s), and set of instructions

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TRANSPORT	NON-TRANSPORT	COMMAND/UTILITY	CAL-MAT	TRAUMA
1	1	1	1	Needle Thoracostomy Kits Consisting of: <ul style="list-style-type: none"> • 3 1/4" 10 or 12 Gauge Cath (For adults) x 2 • 2" 14 Gauge Cath (For pediatrics) x2 • Chlorhexidine Prep/Swab
10	5	5	5	Sterile 4x4 Dressings
4"stack	Opt.	Opt.	Opt.	Non-Sterile 4x4 Dressings
5	2	2	2	Roller Gauze 4.5"
5	2	2	2	Combine Dressings 5" x 9"
2	1	1	1	Multi Trauma Dressings
2	1	Opt.	1	Petrolatum Gauze (Occlusive Dressing)
2	1	Opt.	1*	LEMSA Approved Chest Seal (The Asherman Chest Seal, HyFin Chest Seal, SAM Chest Seal) *CALMAT: Alternate brand may be utilized
2	5	5	5	Adhesive Bandages
6	2	2	2	QuickClot® Combat Gauze™ Z-Fold Dressing or QuickClot® 1 st Response™ 5" clotting sponge dressing pack
2	1	1	1	Israeli type trauma Bandage 4" (without mobile pad)
1 box	1	1	1	Triangular Bandages
1	1*	1*	Opt.	Burn Kit consisting of: Face Mask 2 - Sheets 2 - 15"x20" Dressings 2 - 12"x15" Dressings *Optional for Non-Transport and Command/Utility 2 - 12"x12" Dressings *Optional for Non-Transport and Command/Utility
2	1	1	1	1000 mL Sterile Irrigation Solution
4	1	1	1	2" Cloth Tape Rolls
2	Opt.	1	1	Elastic (Ace type) Bandages
2	1	1	1	Trauma Shears
2	2	2	2	Tourniquet (recommended C-A-T 7 th gen)
Opt.	Opt.	Opt.	Opt.	Pediatric Tourniquet
5	1	1	1	Hot Packs
5	1	1	1	Cold Packs
2	1	Opt.	Opt.	Backboards
1	Opt.	Opt.	Opt.	Scoop Stretcher

Key:

Opt. = Optional

N/A = Not applicable

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TRANSPORT	NON-TRANSPORT	COMMAND/UTILITY	CAL-MAT	TRAUMA continued
6	3	1	1	EMS Appropriate Hard collar (X-Collar or other)
1	1	1	1	Infant Cervical Collars
2	1	1	1	Head Immobilizer Sets
2	1	1	Opt.	Backboard Straps
1	Opt.	Opt.	Opt.	KED
2	Opt.	1	1	Sam Splints
2	2	Opt.	Opt.	Arm Splints (Cardboard or Air/Vac)
2	2	Opt.	Opt.	Leg Splints (Cardboard or Air/Vac)
1	1	1	Opt.	Adult Traction Splint (Sager, Hare, or Kendrick)
1	1	Opt.	Opt.	Pediatric Traction Splint (Kendrick Traction Device)
1	Opt.	Opt.	Opt.	Pediatric Immobilizer
Opt.*	Opt.	Opt.	Opt.	Pelvic Binder/Immobilization Device (T-Pod or SAM Sling) *Required if no linen sheet.
Opt.	Opt.	Opt.	Opt.	Full or Half Body Vacuum Splint

Key:

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ALS UNIT MINIMUM INVENTORIES
CONTINUED

TRANSPORT	NON-TRANSPORT	COMMAND/UTILITY	CAL-MAT	MISCELLANEOUS
1	1	Opt.	1	OB Kit
1	1	1	1	Penlight
2	N/A	N/A	N/A	Blankets
6	N/A	N/A	N/A	Sheets
1	N/A	N/A	N/A	Pillow or soft head support (or additional blanket)
Opt.	N/A	N/A	N/A	Pillowcases
1	N/A	N/A	N/A	Rain Cover (or suitable substitute)
2	2	Opt.	Opt.	Emergency/CHP Blankets
1	N/A	N/A	N/A	Bedpan
1	N/A	N/A	N/A	Urinal
2	N/A	N/A	N/A	Soft Restraint Sets
1	N/A	N/A	N/A	Hard Leather or Other Hard Padded Restraint Set
1	N/A	N/A	N/A	Med Net Radio (Optional for non JPA transport units)
Opt.	Opt.	Opt.	Opt.	Stuffed Animal
1	1	1	1	MCI Triage Kit Consisting of: TRANSPORT UNIT <ul style="list-style-type: none"> 1- Triage Ribbon Dispenser 1- 8 Person Go Kit NON-TRANSPORT UNIT <ul style="list-style-type: none"> 1- Triage Ribbon Dispenser CAL-MAT <ul style="list-style-type: none"> 50- Triage Tags (MCI)
Opt.	Opt.	Opt.	Opt.	Clipboard
1	1	1	1	Patient Care Protocols (via OneDose app [preferred] or printed copy)
5	3	2	2	PCR Forms (or Cal Mat Paper PCRs)
2	2	2	2	PCR Continuation Forms (or Cal Mat paper PCRs)
5	3	1	1	Notice of Privacy Rights (HIPAA) Forms
1	1	1	1	Weight Based Resuscitation tool
1	1	1	1	Ring Cutter
1	N/A	N/A	N/A	Child Car Seat/Restraint System
Opt.	Opt.	Opt.	Opt.	Automatic CPR Device (LUCAS or AutoPulse)
2	1	1	Opt.	Nose clips for epistaxis
1	1	1	1	Thermometer- Temporal or Tympanic
1	1	1	1	Mobile EPCR Platform

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