

**PURPOSE:** The purpose of this policy is to specify the minimum inventory for medication and equipment to be carried on advanced life support (ALS) ambulances and ALS non-transport units.

**AUTHORITY:** Health and Safety Code, Division 2.5, Sections 1797.220 and 1798 et seq.

**POLICY:**

- I. Each ALS provider is required to develop a daily checkout sheet, which at a minimum lists all of the required items in this policy. Each ALS provider shall require each attending paramedic to conduct an inspection of their assigned ambulance or non-transport ALS unit at the beginning of their shift using the ALS provider's daily checkout sheet.
- II. The attending paramedic on each ambulance or non-transport ALS unit is responsible for ensuring that all medications and equipment are present at the beginning of each shift, that all equipment is functioning properly, and that all battery-powered devices are charged.
- III. All ALS emergency ambulances, non-emergency ambulances, and ALS non-transport units shall be stocked and equipped as specified in this policy.
- IV. The quantities specified are minimum quantities except for controlled substances (i.e. morphine, midazolam) which are listed as the maximum quantities allowed.
- V. Expiration dates for medications and supplies must be current, as applicable. All medications, supplies, and equipment shall be stored in accordance with the manufacturer's recommendation.
- VI. In addition to the items listed below, all ambulances must meet the minimum requirements set forth for ambulances in Title 13, California Code of Regulations, Division 2, Chapter 5, Article 1, Section 1103.2.

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	Minimum Quantity Required	
	ALS Non-Transport	ALS Transport
<b>Medications</b>		
Activated Charcoal in aqueous solution	50 gm	50 gm
Adenosine	30 mg	30 mg
Albuterol Aerosolized Solution = 2.5 mg each	4	8
Aspirin, children's chewable – 81 mg tablets	1 bottle	1 bottle
Atropine	3 mg	6 mg
Atrovent (Ipratropium bromide HFA) 0.5 mg each	2	3
Benadryl	50 mg	100 mg
Calcium Chloride	0	1 gm
Dopamine	0	400 mg
Epinephrine 1:1,000	2 mg	4 mg
Epinephrine 1:10,000	4 mg	8 mg
Dextrose 50%	50 gm	75 gm
Glucose Paste	1	2
Glucagon (optional)	1 mg	1 mg
Lidocaine	200 mg	400 mg
Lidocaine premix	0	2 gm
Lidocaine Jelly	0	2 oz
Magnesium Sulfate	0	2 gm
Midazolam ( <i>Versed</i> ) ( <b>Must be kept double locked</b> )	10 mg	40 mg
Morphine Sulfate ( <b>Must be kept double locked</b> )	20 mg	40 mg
Narcan	2 mg	4 mg
Neosynephrine – 0.5 mg per metered dose	0	1 bottle
Nitroglycerin spray (minimum of 60 metered doses) or Tablet 1/150 gr	1 bottle	2 bottle
Normal Saline 1000ml bags	3	8
Saline/Sterile Water 1000ml Irrigating	2	5
Sodium Bicarbonate	50 mEq	100 mEq
<b>Medication Infusion Supplies &amp; Equipment</b>		
IV start kit, which contains: – (2) Alcohol wipes, (1) Roll tape, 3/4", (2) – 2" x 2" gauze sponge, (1) ID label, (1) Providone iodine prep, (1) Adhesive bandage, (1) Latex Free Tourniquet, (1) OpSite Dressing (or equivalent)	3	8
Disposable razors	2	2
IV Catheters: 16ga, 18ga, 20ga, 22ga,	2 ea	5 ea
IV Catheters: 14ga, 24ga	2 ea	2 ea
Hypo needles 18ga, 20ga/21ga, 22ga/23ga, 25ga	2 ea	5 ea
Disposable syringes: TB, 3ml, 5ml/6ml, 10ml/12ml	2 ea	3 ea

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	Minimum Quantity Required	
	ALS Non-Transport	ALS Transport
Disposable syringes: 20ml/30ml	1	2
Intraosseous needles: 15ga, & 18ga	1 ea	1 ea
<u>EZ-IO drill (Required for all Transport providers by July 1, 2012)</u>	0	1
<u>EZ-IO 15mm Needle (Required for all Transport providers by July 1, 2012)</u>	0	1
<u>EZ-IO 25mm Needle (Required for all Transport providers by July 1, 2012)</u>	0	1
<u>EZ-IO 45mm Needle (Required for all Transport providers by July 1, 2012)</u>	0	1
Betadine solution or swabs	2	4
Solution administration set, Macro drip	2	4
Solution administration set, Micro drip	1	2
IV extension tubing	1	2
Saline locks	1	2
IV Warming device	0	1
Glucose monitoring device with multiple test strips	1	1
Dial-a-Flow or equivalent	0	1
Mucosal Atomizer	2	4
<b>Airway Management Supplies &amp; Equipment</b>		
In ambulance oxygen source, minimum of 500 PSI and a wall mounted regulator	NA	1
Portable oxygen – D or E size cylinders, minimum of 200 PSI, with regulator	1	1
Spare Portable oxygen – D or E size cylinders, minimum of 1800 PSI	1	1
Continuous Positive Airway Pressure (CPAP)	0	1
Wall mount suction device	0	1
Battery powered suction unit	1	1
Disposable bag valve device – adult, with appropriate connector masks	2	2
Disposable bag valve device – pediatric, with appropriate connector masks for children and infants	1 ea	1 ea
Suction Catheters with control, Fr 6, 8, or 10, 12, or 14, 18	1 ea	1 ea
Connecting tubing for suction units	2	2
Yankauer Tonsil Tip Suction Catheter	2	2
Water soluble lubricating jelly	1 Tube	1 Tube
Oropharyngeal Airways, ( <i>adult, child, infant</i> ) sizes 0 – 9	1 ea	1 ea
Nasopharyngeal Airways, Sizes 20, 24, 28, 32, 36 French	1 ea	1 ea
Nasal Cannula, adult	3	3

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	Minimum Quantity Required	
	ALS Non-Transport	ALS Transport
Pediatric Non-rebreather oxygen mask	1	2
Adult Non-rebreather oxygen mask	2	3
Nasal Cannula, pediatric	1	2
Adult laryngoscope handle with alkaline batteries or 2 disposable handles	1	1
Pediatric laryngoscope handle with alkaline batteries or 2 disposable handles	1	1
Spare alkaline batteries for laryngoscope handle	2	2
Macintosh laryngeal blades: #1, #2, #3, #4	1 ea	1 ea
Miller laryngeal blades: # 0, #1, #2, #3, #4	1 ea	1 ea
Spare light bulbs for Macintosh laryngeal blades: #1, #2 and Miller laryngeal blades: # 0, #1, #2, #3	1 ea	1 ea
Spare light bulbs for Macintosh laryngeal blades: #3, #4 and Miller laryngeal blades: #4	1 ea	1 ea
Magill Forceps – Adult and Pediatric	1 ea	1 ea
Endotracheal tubes: 2.0 or 2.5, 3.0 or 3.5, 4.0 or 4.5, 5.0 or 5.5, 6.0 or 6.5, 7.0 or 7.5, 8.0 or 8.5	2 ea	2 ea
Pediatric Stylet	1 ea	2 ea
ET tube holder	2	2
Disposable Endotracheal tube introducers	2	2
Meconium aspirators	1	1
End tidal CO2 device, quantitative adult	1 ea	2 ea
End tidal CO2 device, quantitative pediatric	1 ea	1 ea
Nebulizer mask	1	1
Breath actuated nebulizer	1	2
Pleural decompression kit, which includes: 14 or 16 ga 2 to 2 ½ inch needle and cannula or patients > 50kg, or 18 ga, 1 to 1 1/4 inch needle and cannula for patients less than 50kg, one-way valve, Betadine swab, tape, and 10 ml syringe ,	1	1
Cricothyrotomy insertion kit, which includes: 10 ml syringe, Translaryngeal jet ventilator device with push-button and high-pressure tubing with locking device (Adult), or Bag-Valve device (Pediatric), 10 - 12 ga needle for adult, 12 – 14 ga needle for pediatrics, and Betadine swab, or Enk Oxygen Flow Modulator set, (Adult), or Bag-Valve device (Pediatric), and Betadine swab. Providers are required to have one of the above kits by later than July 1, 2011.	1	1
King Airway LTS-D or LT-D Size 4	1 ea	2 ea
King Airway LTS-D or LT-D Sizes 3 & 5	1 ea	1 ea
60 ML syringe for each King Airway if kit not purchased	3	4

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	Minimum Quantity Required	
	ALS Non-Transport	ALS Transport
BAAM	0	1

<b>Patient Assessment Supplies &amp; Equipment</b>		
Soft ankle/wrist restraints	0	4
Stethoscope	1	2
Penlight	1	1
Blood pressure cuff: thigh, adult, child, infant	1 ea	1 ea
Thermometer or equivalent	1	1
Rolls of tape, size 1" or 2" or 3" Hypoallergenic (Transpore/paper)	2	2
Bandage shears (heavy duty)	1	2
Emesis basins	0	2
Covered waste container	0	1
Bed pan/fracture pan	0	2
Urinal	0	1
OB Kit, which includes: (1) pair of sterile gloves, (1) drape sheet, (2) umbilical clamps, (4) disposal towels, (2) O.B. towelettes, (1) bulb syringe, (2) alcohol preps, (1) O.B. sterile pad (1) plastic bag for placenta, (2) twist ties, (1) receiving blanket, (3) gauze sponges, (pk/2)	1	2
1000ml Pressure infusion bag or equivalent	1	1
Broselow Pediatric Resuscitation Tape	1	1
Cardiac monitor with defibrillation/pacing capabilities (12 lead optional)	1	See below
Cardiac monitor with defibrillation/pacing/12 lead capabilities	See above	1
Pediatric defibrillation equipment	1	1
ECG electrodes (adult and pediatric)	6 ea	9 ea
Pulse oximetry device	1	1
Disposable Blanket	1	2
<b>Trauma Supplies &amp; Equipment</b>		
Long board with restraint straps	1	2
Pediatric immobilization device	1	1
Head immobilization devices <sup>1</sup>	2	2
Short extrication device ( <i>i.e.</i> , KED)	1 ea	1 ea
Cervical collars – Various adult and pediatric or adjustable collars	2 ea	2 ea
Adult traction splint	1	1
Pediatric traction splint	1	1
Sterile burn sheets	2	4
Air occlusive dressings	2	4
2 x 2 gauze pads Sterile	4	8
4 x 4 gauze pads non-sterile	6	10
Rigid splints – Short	1 ea	2 ea

<sup>1</sup> The use of non-medical tape (*i.e.*, duct tape) is not permitted

Rigid splints – Long	1 ea	2 ea
Trauma dressings	2	4
Gauze roll type bandages, size 2 or 4 or 6	2	4
Triangular bandages	1	2
Tourniquet SOF Tactical Tourniquet or the Combat Application Tourniquet (CAT) or equivalent product	1	1
Instant ice packs	2	8
Ring Cutter	1	1
<b>Disaster Supplies</b>		
MCI Vests - Medical Group Supervisor, Triage Unit Leader	0	1 ea
START triage tags	50	50
<b>General Equipment</b>		
San Joaquin County Map Book (current within 2 years) or GPS equivalent	1	1
Map book for assigned response zones or district (current within 1 year) or GPS equivalent	1	1
Battery operated flashlight	1	1
Functional environmental controls for heat and air condition for the patient compartment.	0	1
Patient compartment door latches operable from inside and outside.		
Patient sheets	0	4
Patient blankets	0	2
Patient pillows	0	2
Ambulance gurney with mattress, capable of elevating the head, feet, and adjustable to several levels.	0	1
Field Operations Guide ICS 420-1 ( <i>FOG Manual</i> ), current edition	1	1
Mobile or portable radio (s) that are able to communicate on Med Net, HEAR and Cal Cord,	1	See below
Mobile radios(s) that are able to communicate on Med Net, HEAR and Cal Cord. Each ambulance shall have at a minimum a speaker and microphone located in the patient compartment which allows the paramedic to communicate with receiving facilities and the base hospital.	See above	1
Portable radio(s) that are able to communicate on Med Net, HEAR and Cal Cord, includes one spare battery per radio	See above	1
Mobile company radio	0	1
Portable company radio, includes one spare battery per radio	0	1
Current San Joaquin County EMS Agency ALS and BLS Policy manual or pocket guide	1 set	1 set

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<b>Personal Protective Equipment (PPE)</b>		
Needle disposal system, which is OSHA compliant	1	1
Bottle of instant hand sanitizer (alcohol based)	1	2
Biohazard bags (various sizes recommended)	3	5
Commercial biohazard spill kit or equivalent	1	1
Antibacterial disinfectant solution	1	1

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