



# Equipment and Supply Standard

PURPOSE

- I. The purpose of this policy is to standardize and establish minimum medication and equipment available on EMS vehicles in Napa County.

POLICY

## I. EQUIPMENT AND SUPPLY INSPECTION

- A. The Napa County EMS Agency personnel may inspect BLS and ALS units at any time for compliance with the identified standards for equipment and personnel. Deficiencies may result in the unit's removal from service until the deficiencies are remedied.
- B. The Napa County EMS Agency will notify the ambulance provider's designated management representative immediately of the infraction.

## II. CONTROLLED SUBSTANCES

- A. Controlled substances shall be kept in a secure manner at all times. No drugs or medications are to be located in a vehicle, which is not totally equipped and staffed to provide the level of service for which controlled substances are provided.
- B. Controlled substances will be secured properly and appropriately in the paramedic mobile unit with adequate precautions taken to prevent losses by any means. The paramedic provider agency is responsible for ensuring that this security occurs, as well as supervising adequate record keeping as described below.
- C. An inventory of controlled substances assigned to an ALS unit shall be completed and a record maintained.
- D. The drug inventory is to be completed at the start of each shift.
- E. This controlled substance inventory log shall be retained on file by the provider agency for a minimum for four (4) years.
- F. A record of any use of controlled drugs by an ALS unit shall be maintained.
- G. The Drug Administration Log is designed to show the actual circumstances under which a drug is administered, lost or broken. This information will clarify any controlled substance inventory discrepancies.
- H. This drug administration log shall be retained on file by the provider agency for a minimum for four (4) years.

## III. MINIMUM EQUIPMENT LIST

- A. The following list is applicable to all EMS providers within Napa County. This list is not all-inclusive and serves as a minimum required equipment list only. ALS Ambulances and ALS First Responder providers are required to carry both ALS and BLS equipment items.
- B. EMS providers on each EMS vehicle are 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.
- C. 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 unless otherwise specified in this policy.

ALS EQUIPMENT		ALS Ambulance	ALS 1 <sup>st</sup> Response
<b>Defibrillator/Diagnostic</b>			
Monitor-Defibrillator		1	1
ECG cables		1	1
12-Lead cables		1	1
ECG paper (extra)		1	1
Electrodes (single)	Adult	30	30
	Pediatric	20	20
Defibrillator Patches	Adult	2	2
	Pediatric	1	1
Waveform Capnography (In-line)		2	1
Waveform Capnography (Nasal Cannula)		4	2
Extra battery		1	1
Length based resuscitation tape (Pediatape)		1	1
Pediatric Medication/Cardiac Arrest Reference		2	1
<b>ALS Airway/Oxygenation</b>			
King LTD or IGEL	Size 3 (Small Adult)	1	1
	Size 4 (Medium Adult)	1	1
	Size 5 (Adult)	1	1
Magill forceps	Adult	1	1
	Pediatric	1	1
Laryngoscope handle	Adult	1	1
	Pediatric	1	1
	Extra batteries – (1 set for each)	2	1
Laryngoscope blades	(Adult) straight	1 set	1 set
	(Adult) curved	1 set	1 set
	(Pediatric) straight	1 set	1 set
	(Pediatric) curved	1 set	1 set
	Extra bulbs (if applicable)	1	1
Video Laryngoscopy Device		1	Optional

ALS EQUIPMENT		ALS Ambulance	ALS 1 <sup>st</sup> Response
Endotracheal tubes:	#6.0, cuffed	1	1
	#7.0, cuffed	1	1
Intubation stylet - Adult		1	1
Endotracheal Tube Introducer (ETTI)		1	1
Tube Tamer or equivalent (Adult)		1	1
Cricothyrotomy Insertion Kit		1	1
Pleural Decompression Kit		2	1
Commercial Chest Seal		2	1
Nebulizer (Hand-held) HHN		2	1
CPAP Device (5-10 cm H <sub>2</sub> O)	Large Mask	1	1
	Standard Mask	1	1
	Small Mask	1	1
Nebulizer adaptor for CPAP		1	1
<b>Medications</b>			
Acetaminophen 1 Gram/100 mL vial		2	1
Adenosine 3 mg/mL (6mg vials)		30mg	30mg
Albuterol 0.83 mg/mL 5mg in 6mL NS		6	4
Amiodarone 50mg/mL		450mg	450mg
Aspirin, chewable (81mg)		1 bottle	1 bottle
Atropine Sulfate Multi-Dose Vial 0.4mg/mL		1	1
Atropine Sulfate 0.1 mg/mL(1mg pre-load)		2	1
Benadryl, 50mg/mL vial		2	1
Calcium chloride, 1gram/10mL pre-load		1	1
Dextrose 10% 0.1 gram/mL		3	2
Epinephrine 1:10,000, 0.1 mg/mL pre-load		6	4
Epinephrine 1:1000, 1 mg/mL (vial or ampule)		2	2
Fentanyl 100mcg 50 mcg/mL		2	2

ALS EQUIPMENT		ALS Ambulance	ALS 1 <sup>st</sup> Response
Hydroxocobalamin (CyanoKit) <sup>++</sup>		Optional	Optional
Ipratropium (Atrovent) 0.167 mg/mL 0.5mg in 3mL NS		2	2
Lidocaine 100mg 20 mg/mL		1	1
Midazolam (Versed) 5mg/mL		2 Total 10mg	2 Total 10mg
Nitroglycerin Paste		2	1
Nitroglycerin, tablets or spray, 0.4mg/sL doses		1 bottle	1 bottle
Ondansetron 4mg tab		4	2
Ondansetron 4mg vial		4	2
Sodium Bicarbonate, 50 mEq/50 mL		2	2
Tranexamic Acid 100 mg/mL		1 Gm	1 Gm
Controlled Substance and Administration logs		1	1
NS 100cc bag		2	1
NS 1000cc bag		4	2
NS Flush, 10cc		6	3
<b>IV/IO/IM/IN Medication Administration</b>			
22 gauge catheter, over the needle		2	2
20 gauge catheter, over the needle		4	4
18 gauge catheter, over the needle		4	4
16 gauge catheter, over the needle		2	2
14 gauge catheter, over the needle		2	2
Intraosseous (EZ-IO)	Drill	1	1
	(15mm) Needle	1	1
	(25mm) Needle	1	1
	(45mm) Needle	1	1
Syringes:	1cc	8	4
	3cc (twin-pak)	8	4
	5cc (twin-pak)	4	2
	10cc (twin-pak)	8	4
	60cc	2	1
25 gauge IM Needles <sup>**</sup>		4	2

ALS EQUIPMENT		ALS Ambulance	ALS 1 <sup>st</sup> Response
Filter Needles** ( <u>required if carrying ampules</u> )		2	2
Saline locks with extension		4	2
Micro drip IV tubing (with luer lock connection)		2	2
Macro drip IV tubing (with luer lock connection)		2	2
IV Arm board (small)		1	1
<b>Miscellaneous</b>			
"Sharps" container, large in rig		1	0
"Sharps" container, small box / bag		1	1
Alcohol prep pads		20	10
Chlorhexidine prep pads		10	10
BLS EQUIPMENT		ALS/BLS/CCT Ambulance	ALS/BLS 1 <sup>st</sup> Response
<b>Defibrillator/Diagnostic</b>			
Automated External Defibrillator (AED)		1 BLS Only	1 BLS Only
AED Patches	Adult	2 BLS Only	2 BLS Only
	Pediatric	1 BLS Only	1 BLS Only
Stethoscopes		1	1
Manual Blood Pressure Cuffs	Adult	1	1
	Pediatric	1	1
	Thigh cuff	1	1
Thermometer		1	1
Glucometer		1	1
Lancets and Glucometer Testing Strips		6 each	4 each
<b>Medication: LOSOP/Standard Scope</b>			
Epinephrine auto-injector 1:1000 0.3mg		1 <sup>^^</sup>	1 <sup>^^</sup>
Epinephrine auto-injector 1:1000 0.15mg		1 <sup>^^</sup>	1 <sup>^^</sup>
Naloxone hydrochloride 2mg		2 <sup>^^</sup>	1 <sup>^^</sup>
Mucosal Atomization Device (MAD)		2 <sup>^^</sup>	1 <sup>^^</sup>
Oral glucose 15g		2	1

BLS EQUIPMENT		ALS/BLS/CCT Ambulance	ALS/BLS 1 <sup>st</sup> Response
<b>BLS Airway/Oxygenation</b>			
Oropharyngeal		1 set	1 set
Nasopharyngeal (Sizes 28, 30, 32, 34)		1 set	1 set
KY Jelly		8	4
Adult (non-rebreather)		4	2
Pediatric (non-rebreather)		2	2
Adult (cannulas)		4	2
Pediatric (cannulas)		2	2
Pulse Oximeter (Adult capable)		1	1 Optional for BLS
Pulse Oximeter (Pediatric capable)		1	1 Optional for BLS
Fixed vehicle O <sub>2</sub> tank with regulator ≥ M		1	N/A
Portable D cylinder O <sub>2</sub> with regulator		2	2
O <sub>2</sub> extension tubing		1	1
Bag/valve mask with reservoir (Adult)		2	1
Bag-Valve mask with reservoir (Pediatric)		1	1
Bag-Valve mask with reservoir (Infant)		1	1
Neonatal (Mask only)		1	1
Suction Equipment	Portable (battery powered)	1	1
	Wall unit	1	N/A
	Suction liners/basins	2	1
	Connecting tubing	2	1
	Pharyngeal tonsil tip (rigid)	2	2
	French Catheter (Soft)	2	2
<b>Bandaging/Trauma</b>			
Trauma Dressing (minimum 10x30)		2	1
Abd Combine Pad (minimum 5x9)		2	1
4" x 4" sterile compresses		8	4
Petroleum gauze (4x4)		2	2
QuikClot® Gauze (Roll)		2	2
Rolled gauze bandages		4	4

BLS EQUIPMENT		ALS/BLS/CCT Ambulance	ALS/BLS 1 <sup>st</sup> Response
40" triangular bandages		2	1
Bandage shears		1	1
Tourniquet (CAT™, SOF® or the MAT™)		2	1
1" roll adhesive tape		2	1
2" roll adhesive tape		2	1
Band-Aids (Box)		1 Box	1 Box
Burn sheets, sterile		2	2
Adult Cervical Collars (No Neck, Short, Regular, & Tall)		2/size or 2 adjustable	2/size or 2 adjustable
Pediatric Cervical Collars (Pedi, Midi, & Mini)		2/size or 2 adjustable	2/size or 2 adjustable
Cold packs		4	4
Traction Splint - Adult		1	1
KED		1	0
Pelvic Binder (T-POD or SAM Pelvic Sling II)		1	1
Splints: (small, medium & large)		2 each	2 each
Backboard, Scoop, or CombiCarrier II <sup>∞</sup>		2	2
FASPLINT (Halfback)		Optional	Optional
FASPLINT (Full body)		Optional	Optional
RedVac or equivalent		Optional	Optional
Spider Straps or equivalent		2	1
Pedi-Board or equivalent with straps		1	Optional
Water, sterile, 1000 cc		1	1
Saline, sterile, 1000 cc		1	1
<b>Personal Protective Equipment</b>			
Masks	Surgical	10	5
	N95/P-100	4	4
Gloves, disposable box (latex free) 1 box of each size S M L XL		1 each	1 each
Helmets with eye protection		1 per crew member	1 per crew member
Leather palmed gloves (pair)		1 per crew member	1 per crew member
High visibility vest (DOT approved)		1 per crew member	1 per crew member

BLS EQUIPMENT		ALS/BLS/CCT Ambulance	ALS/BLS 1 <sup>st</sup> Response
<b>Transportation</b>			
Stretchers	Ambulance gurney	1	N/A
	Stair Chair or equivalent	1	Optional
Linen	Pillow	1	0
	Pillow cases	2	0
	Blankets (Yellow/CHP)	2	1
	Sheet	2	0
<b>Miscellaneous</b>			
Triage tags DMS All Risk Tags)		25	15
Felt tip marker		1	1
Clipboard		1	1
VHF Radio programmed with local frequencies		1 each	1 each
Bedpan and urinal		1	0
Unit access to current Napa County EMS Treatment Guidelines/Administrative Policies		1	1
Bleach Based Disinfectant (wipes or spray with towels)		1	1
Emesis basins or equivalent		2	1
Obstetrical kit, sterile		1	1
Restraints (Hard or soft)		1 set	0
Access to Napa County map		1	1
Flashlight, six-volt or equivalent		2	1
Triangle reflectors or 30-min flares		1 set or 6 flares	1 set or 6 flares
Fire extinguisher		1	1
Mechanical CPR Device		Required on select EMS Response Vehicles	

<sup>^^</sup> BLS LOSOP item (optional for BLS Only)

<sup>++</sup> ALS LOSOP item (optional for ALS Only)

<sup>°</sup> Backboards must be padded.

<sup>\*\*</sup> All needles shall meet Cal OSHA Safer Sharps requirements