

**POLICY #: 205 ADVANCED LIFE SUPPORT AND BASIC LIFE
SUPPORT EQUIPMENT AND SUPPLY**

I. PURPOSE

- A. To establish the minimum requirement of equipment and supplies to be available on ALS ambulances, BLS and ALS First Responder units including ALS Wildland Engines, and for ALS Special Use Medic in the County of San Luis Obispo.

II. POLICY

- A. Ambulances, ALS and BLS First Responder Units, ALS Wildland Engines, and ALS Special Use Medic personnel authorized to operate in the County of San Luis Obispo must, at a minimum, have the equipment and supplies available in the unit/at the event as referenced in Attachment A of this document.
- B. Any waivers to this policy must be documented and approved by completing and submitting Attachment B – Drug Shortage Mitigation and Response Strategies and then Attachment C – Waiver Request. Types of waivers included are:
1. One-time, 30 day waiver exempting the provider agency from minimum stocking requirements listed in Attachment A – EMS Equipment and Supply List.
 2. 90 day window for a preapproved, one-time, 30 day waiver exempting provider agency from minimum stocking requirements listed in Attachment A – EMS Equipment and Supply List, when on-hand stock of medication falls below required minimum stocking levels.
 3. Request for substitution of medication with an alternative.

III. AUTHORITY

- California Health and Safety Code, Division 2.5, Sections 1797.204, 1797.206 and 1797.220

IV. ATTACHMENTS

- A. EMS Equipment and Supply List
- B. Drug Shortage Mitigation and Response Strategies
- C. Waiver Request

Approvals:

EMS Agency, Administrator	
EMS Agency, Medical Director	

EMS Equipment and Supply List

Description	Strength/Size	ALS Transport Minimum	ALS First Responder Minimum	ALS Special Use Medic Minimum	ALS Wildland Unit Minimum	BLS First Responder Minimum † Elective skills as required
MEDICATIONS						
Activated charcoal	50 gm bottle (aqueous solution)	1	1	0	0	0
Adenosine	6 mg/2 mL	5	3	3	3	0
Albuterol unit dose	2.5 mg/3 mL solution	4	2	2	2	0
Amiodarone	50mg/mL (9mL vials)	3	2	1	1	0
	OR					
Amiodarone	150mg/3ml (3ml vials)	6	4	3	3	0
Aspirin	81 mg nonenteric coated chewable	1 bottle	1 bottle	4 tablets	4 tablets	1 bottle
Atropine	1 mg/10 mL	2	2	2	2	0
Atropine	8 mg multi-dose vial	1	1	0	0	0
Calcium Chloride 10%	1 gm/10 mL	1	1	0	0	0
Dextrose 10%	25 gm/250 mL bag	2	2	1	1	0
*Dextrose 50%	25 gm/50 mL	2	2	1	0	0
Diphenhydramine	50 mg/1 mL	2	2	2	2	0
Epinephrine	1:1,000 1 mg/1 mL	4	2	2	2	0
†Epinephrine Auto-Injector	Pediatric and Adult	0	0	0	0	†1 each
Epinephrine	1:10,000 1 mg/10 mL (10 mL preload)	8	6	3	6	0
Fentanyl	100 mcg/2 mL	2	2	2	2	0
Glucagon	1 mg/1 mL	1	1	0	0	0
Glucose gel	15 gm	2 tubes	2 tubes	2 tubes	2 tubes	2 tubes
Lidocaine 2%	100 mg/ 5 mL	2	1	1	1	0
Ketamine	100 mg/ 1mL	2	1	1	1	0
Midazolam	5 mg/1 mL	2	1	1	1	0
Naloxone	2 mg (vial or pre-load)	2	2	2	2	0
†Naloxone IN Kit	§2 mg pre-load and Atomizer	0	0	0	0	†2
Nitroglycerine	SL tablets or spray	2	1	1	1	0
Nitro Paste 2%	1 gm single dose packet	3	3	0	0	0
Ondansetron	4 mg /2 mL injectable	3	3	0	0	0
	4 mg dissolvable tablets	3	3	1	1	0
Sodium Bicarbonate	50 mEq/50 mL	2	2	0	0	0
Tranexamic Acid (TXA)	100 mg/1 mL 10 mL vial	2	1	0	1	0
Variations in the concentration of medications being stocked, due to medication supply shortages, must be approved by Medical Director						
†Elective skills equipment required for participating agencies						
Alternate Medications to be Stocked <u>ONLY</u> with Medical Director Approval						
§Other pre-packaged single dose intranasal naloxone delivery devices that may be used with Medical Director Approval		0	0	0	0	†2
Diazepam (alternate to be stocked by order of Med Dir ONLY)	10 mg	2	1	1	1	0
Morphine (alternate to be stocked by order of Med Dir ONLY)	10 mg	3	2	2	2	0

EMS Equipment and Supply List

Description	Strength/Size	ALS Transport Minimum	ALS First Responder Minimum	ALS Special Use Medic Minimum	ALS Wildland Unit Minimum	BLS First Responder Minimum † Elective skills as required
Lidocaine 2% (alternate to be stocked during Amiodarone shortage by order of Med Dir ONLY)	100mg / 5ml	6	4	3	3	0
IV SOLUTIONS/EQUIPMENT						
0.9% Normal Saline	1,000 mL bag (or equivalent total volume)	6	4	2	4	0
100 mL Saline Delivery Equipment	0.9% NS 100 mL bag	4	2	1	1	0
0.9% Normal Saline	10 mL Vials/Flush	5	5	2	2	0
IV Tubing	10-20gtt/mL	6	3	2	2	0
IV Catheters	Sizes 14, 16, 18, 20, 22, 24 gauge	2 each	2 each	2 each	2 each	0
Syringes	Assorted - 1mL, 3mL, 6mL-20mL	2 each	2 each	1 each	1 each	0
Needles Assorted	- ½", 1", 1 ½" - 18-30 gauge	2 each	2 each	2 each	2 each	0
Intraosseous (IO) single needle device	(FDA approved) adult and pediatric	1 each	1 each	1 each	1 each	0
Tourniquets (for IV start)		2	2	2	2	0
Saline locks		4	2	2	2	0
Luer-Lock adaptors	(Not required but recommended for use with STEMI patients)	2	2	0	0	0
Alcohol and betadine swabs		10 each	10 each	10 each	10 each	†10 each
TRAUMA						
Bandages and bandaging supplies:						
Band-aids	Assorted	10	10	5	5	10
Sterile bandage compresses or equivalent	4"x4"	12	10	10	10	10
Trauma dressing	10"x30" or larger universal dressing	2	2	2	2	2
Roller gauze	3" or 4"	12 rolls	8 rolls	2 rolls	2 rolls	8 rolls
Cloth adhesive tape	1, 2, or 3"	1 roll	1 roll	1 roll	1 roll	1 roll
Triangular bandages with safety pins		4	2	1	1	2
Tourniquet	See approved list for commercial devices	2	2	1	1	2
Vaseline gauze	3"x8", or 5"x9"	2	2	1	1	2
Tongue blade or bite stick		2	2	2	2	2
Burn Sheets (sterile or clean) –	may be disposable or linen (with date of sterilization indicated)	2	2	0	2	2
Cervical collars	Stiff: Sizes to fit all patients over one year old	1each	1 each	1 each	1 each	1 each
Cold packs		2	2	2	2	2
Irrigation equipment and supplies:						
Saline, sterile	250mL	4	2	1	2	2
Long spine board and light weight head immobilizer blocks	(or equivalent immobilization device)	2	1	0	0	1

EMS Equipment and Supply List

Description	Strength/Size	ALS Transport Minimum	ALS First Responder Minimum	ALS Special Use Medic Minimum	ALS Wildland Unit Minimum	BLS First Responder Minimum † Elective skills as required
Straps to secure patient to boards		2 sets	1 set	0	0	1 set
TRAUMA CONT.						
Splints, traction	Adult and pediatric (or a single device suitable for both)	1 each	1 each	0	0	1 each
Splints, cardboard or equivalent	arm and leg splint	2 each	2 each	1 each	2 each	2 each
K.E.D. or equivalent		1	1	0	0	0
Pediatric spinal immobilization board	(or equivalent immobilization device)	1	1	0	0	0
Sheet or commercial pelvic binder		1	1	0	0	1
Infection Control						
Meet the minimum requirement per crew member as stated in the California Code of Regulations Title 8 (All Providers)						
Transportation Equipment						
Collapsible gurney cot with adjustable contour feature		1	0	0	0	0
Stair chair or equivalent device		1	0	0	0	0
Sheets, pillow, pillow case, towels, blankets (cloth or disposable)		2	0	0	0	0
Scoop stretcher with straps		1	0	0	0	0
Flat vinyl/canvas stretchers with		1	0	0	0	0
MISCELLANEOUS						
Blood pressure cuffs (portable):	Adult	1	1	1	1	1
	Large adult or thigh	1	1	0	0	1
	Pediatric	1	1	0	1	1
Obstetrical kit - sterile, prepackaged		1	1	0	0	1
Restraints - non-constricting wrist and ankle		1 set each	1 set each	0	0	1 set each
Stethoscope		1	1	1	1	1
Trash bags/receptacles		2	2	1	1	2
Blanket	Disposable	1 each	1 each	1 each	1 each	1 each
Bandage scissors (heavy duty)		1	1	1	1	1
Emesis basins or emesis bags with containers		2	2	1	1	2
Water, potable		1 liter	1 liter	0	1 liter	1 liter
Maps, entire county		1	1	0	0	1
Penlight		1	1	1	1	1
Triage tags		20	20	20	20	20
Bed pan		1	0	0	0	0
Urinal		1	0	0	0	0
†Glucometer	with ≥10 test strips, lancets, and other appropriate supplies	1	1	1	1	†1

EMS Equipment and Supply List

Description	Strength/Size	ALS Transport Minimum	ALS First Responder Minimum	ALS Special Use Medic Minimum	ALS Wildland Unit Minimum	BLS First Responder Minimum † Elective skills as required
Puncture proof sharps container	small	2	2	1	1	†1
MISCELLANEOUS CONT.						
Thermometer		1	1	0	0	0
Automatic External Defibrillator	With AED pads	* For EMT-D Provider Agencies (1)				
AIRWAY						
Endotracheal tubes:	sizes-3.0, 5.0, 5.5, 6.0, 6.5, 7.0, 7.5, 8.0, 8.5, 9.0	1 each	1 each	1 each	1 each	0
Laryngoscope handles, with extra batteries		2	2	1	1	0
Laryngoscope blades:	Miller # 0, 1, 2, 3, 4 Macintosh # 1, 2, 3, 4	1 each	1 each	1 each	1 each	0
i-Gel Supraglottic Airways	Size 3 and Size 5	1 each	1 each	1 each	1 each	0
i-Gel Supraglottic Airways	Size 4	2 each	2 each	1 each	1 each	0
Magill forceps (pediatric and adult)		1 each	1 each	1 each	1 each	0
Adult stylets		2 each	1 each	1 each	1 each	0
10-20 mL syringe, sterile lubricant		2 each	1 each	1 each	1 each	0
Needle Cricothyrotomy kit with:	10 or 12 ga needle, 10-20 mL syringe, alcohol and betadine wipes and oxygen supply adapter	1	1	1	1	0
	Or other FDA approved percutaneous cricothyrotomy kit	1	1	1	1	0
Capnography Device	Qualitative or Quantitative	1	1	1	1	0
Hand held nebulizer for inhalation therapy		2	2	1	1	0
Medrafter or equivalent		1	1	0	0	0
Portable, battery powered, cardiac monitor-defibrillator with 12-lead ECG capability with the ability to perform computerized ECG readings and provide hard copy ECG tracings, with:		1	1	1	AED w.manal defib and w/EKG	0
	Patient ECG cable	1	1	1	0	0
	ECG recording chart paper	1	1	1	0	0
	Adult ECG electrodes	4 sets	4 sets	2 sets	2 sets	0
	Defibrillation pads or equivalent - Adult and Pediatric	1 set each	1 set each	1 set each	1 set each	0
	Conductive defibrillation pads, or tubes of conductive gel	4	4	2	2	0
		2	2	1	1	0
IV catheter for pleural decompression	10 gauge/3 inch	2	2	1	1	0
Asherman chest seal or equivalent open wound dressing		1	1	1	1	1
Pulse oximeter		1	1	1	1	1
†Continuous Positive Airway Pressure (CPAP) Ventilator	portable/adjustable pressure settings, FDA Approved with an oxygen supply	1	1	0	0	†1

EMS Equipment and Supply List

Description	Strength/Size	ALS Transport Minimum	ALS First Responder Minimum	ALS Special Use Medic Minimum	ALS Wildland Unit Minimum	BLS First Responder Minimum † <i>Elective skills as required</i>
Nasopharyngeal airways (soft rubber)	Medium and Large adult sizes	2 each	2 each	1 each	1 each	2 each
AIRWAY CONT.						
Lubricant, water-soluble jelly (K-Y)		2	2	2	2	2
Oropharyngeal airways	(sizes 5.5 – 12 or equivalent)	2 each	1 each	1 each	1 each	1 each
Adult non-rebreather masks		2	2	1	1	2
Pediatric/infant non-rebreather mask		2	2	1	1	2
Adult nasal cannula		4	2	1	1	2
Oxygen Cylinders	D or E size cylinder with regulator capable of delivering 2-15 LPM	1	1	1	1	1
	M, H, or K cylinder with wall outlet(s) and constant flow regulator(s)	1	0	0	0	0
Oxygen reserve:						
	D or E cylinders	1	1	0	0	1
Face masks for resuscitation (clear)		2	1	1	1	1
Bag-valve mask with O2 reservoir and supply tubing						
	Adult	1	1	1	1	1
	Pediatric	1	1	1	1	1
	Infant	1	1	1	0	1
Suction equipment and supplies:						
Rigid pharyngeal tonsil tip		2	2	0	0	2
Spare suction tubing		1	1	0	0	1
Suction apparatus (portable)		1	1	1	1	1
Suction catheters	at least 2 sizes suitable for adult and pediatric endotracheal suctioning	2 each	1 each	1 each	1 each	1 each

County of San Luis Obispo Public Health Department
 Division: Emergency Medical Services Agency

Policy 205 Attachment B
 Effective Date: 3/01/2023

Drug Shortage Mitigation and Response Strategies

(Must be on file prior to submission of Policy #205 Attachment C, Waiver Request)

Date:	Form completed by:
Agency:	
Drug (name, concentration, supplied dose, packaging):	
Lot # and Expiration:	
Statement of Compliance	
The provider agency understands they are solely responsible for full compliance with all local, state, and federal regulations governing purchase, distribution, storage and administration of all medications.	
The provider agency is making all attempts to meet the following ongoing mitigation steps to prevent need for emergent response to shortages in supply chain:	
<input type="checkbox"/> Identify heavily used medications and predict ordering needs based on data of historical use.	
<input type="checkbox"/> Rotate stock of medications to facilitate efficient use.	
<input type="checkbox"/> Review County EMS Policy 205 Attachment A and consider changing stocking levels.	
<input type="checkbox"/> Identify infrequently used medications and track expiration dates to predict ordering needs.	
<input type="checkbox"/> Attempt to place orders with suppliers in advance of depletion of stock (place order 90 days in advance).	
Response to Shortage in Supply Chain Checklist (address sequentially until resolved):	
<input type="checkbox"/> Place backorder with primary supplier.	
<input type="checkbox"/> Contact alternate suppliers for availability, and place backorder.	
<input type="checkbox"/> Check FDA website for shortage details and potential extended use dates: https://www.fda.gov/Drugs/DrugSafety/DrugShortages/default.htm	
<input type="checkbox"/> Contact other ALS providers in County for possibility of interagency exchange.	
<input type="checkbox"/> Fill out Policy 205 Attachment C, Waiver Request form to EMS Agency.	
Please provide details of steps taken such as: suppliers contacted, applicable dates, how shortage resolved, etc:	
Signature and Date:	

Waiver Request

(Minimum Drug Stocking Levels)

Date:	Form completed by:
Agency:	
Drug (name, concentration, supplied dose, packaging):	
Lot # and Expiration:	
In response to an ongoing, or imminent shortage of the single and specific medication listed above, the provider agency requests the following action (choose one):	
<input type="checkbox"/> A) One-time, 30 day waiver exempting the provider agency from minimum stocking requirements listed in Attachment A for the medication listed above. Requested to begin: <input type="text"/>	
<input type="checkbox"/> B) 90 day window for a preapproved, one-time, 30 day waiver exempting provider agency from minimum stocking requirements listed in Policy 205 for the medication listed above to begin when on-hand stock of medication above falls below required minimum stocking levels.	
<input type="checkbox"/> C) Request for substitution of medication with an alternative (concentration, amount, etc. provide specifics in notes below):	
Pending approval of this request the provider agency completing the request certifies an understanding, and compliance with each of the following:	
<input type="checkbox"/> The provider agency will immediately report any adverse impacts on patient care resultant of this shortage to the EMS Agency.	
<input type="checkbox"/> If a need for continuing waiver is expected beyond 30 days the provider agency will submit a new request no later than five days before this waiver's expiration.	
<input type="checkbox"/> The provider agency will notify the EMS Agency within 24 hours when medication restock becomes available and this waiver will become null and void, unless otherwise specified by EMS Agency.	
<input type="checkbox"/> Action B only - The provider agency will notify the EMS agency within 24 hours when medication stock falls below minimum stocking levels and preapproved 30 day waiver is enacted.	
<input type="checkbox"/> The provider agency will provide any evidence required by EMS Agency of educational plan deemed necessary by EMS Agency to prepare field personnel to incorporate this shortage into patient care.	
Signature and Date:	Page 2 - EMS Agency response

Submit to EMSA by email at: PH_EMSA@co.slo.ca.us

Waiver Request

(Minimum Drug Stocking Levels)

EMS AGENCY USE ONLY

Drug Shortage Mitigation and Response Strategies verified:	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
Waiver granted:	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
Action plan granted:	A	<input type="checkbox"/>		
	B	<input type="checkbox"/>		
	C	<input type="checkbox"/>		

Action plan B only - Pre-approved period starts: Expires:

Waiver starts: Expires:

Notes:

Medical Director Signature:	Date: