

***COUNTY OF KERN  
EMERGENCY MEDICAL SERVICES  
DEPARTMENT***

***ALS BIKE-MEDIC PROGRAM  
POLICIES AND PROCEDURES***

*June 1, 2010*

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**Revision Listing:**

01/27/99	Hospital Resupply Changes consistent with MICU Inventory
06/10/2010	Add Amiodarone, MAD, ET confirmation and securing devices to inventory.

***POLICY # 4200.3598: ALS BIKE-MEDIC PROGRAM***

**KERN COUNTY EMS DEPARTMENT**  
**Effective Date: 09/02/97**  
**Revised Date: 06/01/2010**

**ALS BIKE-MEDIC POLICIES AND PROCEDURES**  
**Policy Number: 4200.3599**

**I. GENERAL PROVISIONS:**

- A. The Advanced Life Support Bike Medic Program (ALS Bike -Medic) is an optional prehospital advanced life support program administered by the Kern County EMS Department through authorized Kern County Paramedic Providers. The program functions as an extension to state and county Paramedic rules, regulations, policies, procedures, protocols and operates under medical control and authority of the Kern County EMS Department Medical Director.
- B. The primary purpose of the ALS Bike-Medic Program is to provide expedient ALS response and care to EMS incidents that may occur at special events within Kern County prior to ALS transport unit scene arrival at an incident location within the special event area. The ALS Bike-Medic program is to be provided by an authorized ALS Bike-Medic Provider at special events where the area, roadways, crowds, or access difficulty will delay conventional ALS ambulance or ALS First Responder response time to an incident within the special event area. The ALS Bike-Medic Program is a specialty program authorized through the Kern County EMS Department and shall be used as an adjunct to the basic EMS system in a first responder/non-transport role.
- C. The ALS Bike-Medic Program entails the utilization of specially equipped and trained Paramedic(s) with state licensure and local accreditation, employed by a Kern County Paramedic Provider that is authorized by the Department to operate the ALS Bike-Medic Program.
- D. The ALS Bike-Medic Provider shall be responsible to provide bicycles, supplies and equipment in accordance with these policies that are mechanically sound, properly configured and safe to operate within the ALS Bike-Medic role. The ALS Bike-Medic Program shall only be operated in accordance with these policies by a two member team; including one member at EMT-1 or Paramedic level with required ALS Bike-Medic training and a bicycle configured with basic life support supplies and equipment; and one member at Paramedic level with required ALS Bike-Medic training and a bicycle configured with advanced life support supplies and equipment.
- E. Use of ALS Bike-Medic Program shall not be construed, interpreted or allowed to replace or modify in any way ALS transportation resources maintained by an Paramedic Provider or a Kern County Ambulance Service Permittee.
- F. Use of ALS Bike-Medic Program shall not in any way affect, change or modify permittee ambulance response time standard performance requirements as specified in Ordinance Code 8.12. Regulations and Policies.
- G. ALS Bike-Medic Policies and Procedures may be revised or discontinued as determined necessary by the Department.

**II. ALS BIKE-MEDIC SCOPE OF PRACTICE:**

- A. The ALS Bike-Medic Paramedic is authorized to provide prehospital Advanced Life Support within the scope of practice allowed by the State of California and the Kern County EMS Department according to these policies and procedures.
- B. The ALS Bike-Medic Paramedic is authorized to provide prehospital advanced life support skills and procedures according to Paramedic treatment protocols authorized by the EMS Department Medical Director. This authorization shall be commensurate with the ALS Bike-

Medic advanced life support supplies and equipment inventory specified in these policies and specially refined for ALS Bike-Medic function.

- C. The ALS Bike-Medic Paramedic shall comply with all Kern County Paramedic rules, regulations, policies, procedures and protocols at all times.
- D. The ALS Bike-Medic Paramedic shall coordinate appropriate notification, response, communications and utilization of local EMS resources.

**III. ALS BIKE-MEDIC PROVIDER:**

- A. Valid Kern County EMS Department authorization as an ALS Bike-Medic Provider shall be required for a Paramedic Provider to operate the ALS Bike-Medic Program.
- B. ALS Bike-Medic Provider authorization shall immediately be terminated if the provider is unable to provide personnel meeting the requirements of these policies or the program is terminated.
- C. A Kern County Paramedic Provider wishing to be authorized as an ALS Bike-Medic Provider shall provide a written application to the Department. The written application shall include a thorough description of proposed program, ALS Bike-Medic personnel qualifications and training, and a written commitment to comply with ALS Bike-Medic policies and procedures.
- D. To be eligible for ALS Bike-Medic Provider authorization all of the following minimum requirements shall be met:
  - 1. Be an existing Paramedic Provider authorized by the Department;
  - 2. Have and maintain an ALS Bike-Medic training program which complies with the provisions of these policies and procedures;
  - 3. Have and maintain at least two (2) bicycles; one (1) appropriately supplied and equipped in the basic life support role, one (1) appropriately supplied and equipped in the advanced life support role as specified by these policies, to be deployed in a two (2) person ALS Bike-Medic team;
  - 4. Have and maintain a quality assurance mechanism for the ALS Bike-Medic program to ensure proper utilization; and
  - 5. Have and maintain records, reports according to these policies.
- E. An authorized ALS Bike-Medic Provider shall ensure the ALS Bike-Medic program is continually operated according to these policies and procedures. The Department may terminate ALS Bike-Medic Provider authorization for non-compliance to these policies and procedures.

**IV. ALS BIKE-MEDIC QUALIFICATIONS, CERTIFICATION & TRAINING:**

- A. A minimum of one (1) member of the ALS Bike-Medic team shall have and maintain active Kern County Paramedic accreditation. The other member of the ALS Bike-Medic team may be an EMT-1 or Paramedic with active Kern County accreditation.

- B. A Paramedic shall receive a minimum of two (2) hours training in ALS Bike-Medic policies and procedures, ALS Bike-Medic scope of practice, communications systems, Scene Control Policy, and EMS resource utilization before being authorized to operate in an ALS Bike-Medic capacity. The ALS Bike-Medic Provider or the Department may provide the training.
- C. The ALS Bike-Medic Provider shall maintain records of Paramedic personnel that have completed ALS Bike-Medic training which shall be made available to the Department upon request.
- D. The ALS Bike-Medic Provider or the Department may withdraw ALS Bike-Medic authorization at any time for non-compliance with policies and procedures. The ALS Bike-Medic Provider or the Department may also establish re-authorization training requirements (similar to reaccreditation) or mandatory ALS Bike-Medic education sessions.

**V. ALS BIKE-MEDIC PLANNING & DEPLOYMENT:**

- A. The ALS Bike-Medic Provider shall ensure appropriate deployment and utilization of the ALS Bike-Medic Program.
- B. The ALS Bike-Medic Provider shall develop a pre-event plan, based on the specific special event, which defines ALS Bike-Medic staffing, deployment, hours of coverage, communications, area resources, incident reporting, and procedures for requesting additional resources. All assigned Bike-Medic personnel shall be provided a briefing in the pre-event plan for the special event.
- C. The ALS Bike-Medic bicycles shall only be deployed in a two bicycle/two member team configuration; including one member at EMT-1 or Paramedic level with required ALS Bike-Medic training and a bicycle configured with basic life support supplies and equipment; and one member at Paramedic level with required ALS Bike-Medic training and a bicycle configured with advanced life support supplies and equipment as specified within these policies.
- D. Non-emergent activity, movement and positioning of an ALS Bike-Medic team shall be at the discretion of the ALS Bike-Medic provider.
- E. The ALS Bike-Medic Program shall only be provided by the ALS Bike-Medic Provider for special events where area crowds, roadways, and general access would significantly delay response time of a conventional ambulance.

**VI. ALS BIKE-MEDIC SCENE OPERATIONS:**

- A. ALS First Responder Capacity (meaning the ALS Bike-Medic team is the first medical unit or first ALS level personnel arriving at scene):
  - 1. In a first responder capacity, the ALS Bike-Medic Paramedic is expected to assume patient health care responsibility and/or medical group operations responsibility. If

the ALS Bike-Medic team is the first unit arriving at the scene of an emergency incident involving a multi-agency response, the ALS Bike-Medic would assume incident commander responsibility until a public agency arrives, then the ALS Bike-Medic EMT-P would automatically transition into medical group supervisor responsibility.

2. The ALS Bike-Medic Paramedic is expected to establish medical control, complete scene and patient assessment and initiate BLS/ALS patient treatment intervention according to Kern County Paramedic Policies and Procedures and Kern County Paramedic Treatment Protocols as the patient condition necessitates. The ALS Bike-Medic Paramedic is expected to initially bring necessary medical equipment and supplies to the patient for appropriate overall patient care management (avoid making patient contact, then leaving for equipment).
3. The ALS Bike-Medic Paramedic continues providing on scene patient care and maintains patient health care authority until an ALS ambulance arrives and the ALS Bike-Medic transfers patient care responsibility to the ALS ambulance Paramedic. The normal focus of the ALS Bike-Medic program is to provide immediate care until an ALS ambulance arrives, transfer of patient care responsibility occurs, and the ALS Bike-Medic team rapidly becomes available for additional responses or use.
4. If a BLS ambulance arrives at scene and ALS patient care procedures are either indicated, initiated or carried out, the ALS Bike-Medic Paramedic must bring necessary equipment and supplies from the ALS Bike-Medic bicycle to manage the patient and attend the patient during transport to an ALS ambulance or the hospital. If the patient clearly does not require ALS level care, the ALS Bike-Medic Paramedic may decide to transfer patient care responsibility to the attending EMT-1 on the BLS ambulance and not attend the patient during transport, however, the ALS Bike-Medic Paramedic shall be held fully responsible for this decision.
5. During a multi-casualty or mass casualty incident, the ALS Bike-Medic Paramedic may use a BLS ambulance for patient transport when ALS procedures have been initiated, if an ALS ambulance is not reasonably available, or the patient(s) require rapid transport and the situation mandates that the ALS Bike-Medic Paramedic remain at scene to administer ALS level care to additional patients.

**B. ALS Bike-Medic Backup or Support Capacity:**

1. ALS Bike-Medic backup or support capacity means that an ALS ambulance Paramedic is already on scene and the ALS Bike-Medic team arrives on scene as an additional ALS level resource. In this situation, the ALS Bike-Medic team is to assist and at the discretion of the ALS ambulance Paramedic or incident commander, may take over any or all patient health care authority/medical group supervisor responsibility at scene.

**VII. EMS RESOURCE UTILIZATION:**

- A. The ALS Bike-Medic team shall be responsible for prudent notification, response and efficient utilization of all EMS resources in conjunction with the Scene Control Policy. During Med-Alert operations, the ALS Bike-Medic team shall coordinate incident communications and resource utilization through the Kern County EMS Department.

**VIII. DOCUMENTATION & QUALITY ASSURANCE:**

- A. The ALS Bike-Medic Provider shall develop a pre-event plan, based on the specific special event, which defines ALS Bike-Medic staffing, deployment, hours of coverage, communications, area resources, incident reporting, and procedures for requesting additional resources. The pre-event plan will be used as a basis for briefing of ALS Bike-Medic personnel prior to the event.
- B. The ALS Bike-Medic Paramedic shall complete a Patient Care Record-Transport (PCR-Transport) form for every patient contact.
- C. PCR-Transport forms completed by the ALS Bike-Medic shall be turned in to the Department according to standard procedure.
- D. The ALS Bike-Medic provider shall provide ALS Bike-Medic pre-event plans, related data or ALS Bike-Medic program evaluations to the Department upon request.
- E. The Kern County EMS Department shall be notified in advance of any anticipated changes in function of the ALS Bike-Medic program and shall monitor the program for operational and medical quality assurance.

**IX. REQUIRED ALS BIKE-MEDIC EQUIPMENT & SUPPLIES:**

- A. The ALS Bike-Medic Paramedic and ALS Bike-Medic provider shall be responsible to maintain a complete inventory of required ALS Bike-Medic equipment and supplies as specified in these policies. Basic life support supplies and equipment shall be configured on one (1) bicycle and advanced life support supplies and equipment shall be configured on one (1) bicycle as determined by the ALS Bike-Medic Provider. Both bicycles must be staffed and operated together to be in compliance with these policies.
- B. The ALS Bike-Medic Paramedic and ALS Bike-Medic Provider shall be responsible for the care and maintenance of all ALS Bike-Medic inventory. ALS Bike-Medic inventory shall also be subject to inspection by the Department.
- C. The ALS Bike-Medic team shall have all of the following ALS Bike-Medic inventory items:

**1. Required ALS Bike-Medic Medical Supplies and Equipment Inventory - Expendable:**

**a. Medication Inventory:**

#	ITEM/DESCRIPTION	MINIMUM AMOUNT
1.	Adenosine (Adenocard)-----	24.0 mg
2.	Albuterol Sulfate (pre-dilute 2.5 mg per 3 ml solution)-----	5 mg
3.	Amiodarone.....	900 mg
4.	Ammonia Inhalants-----	2 amps
5.	Aspirin (150 to 325 mg. tablets-chewable preferred)-----	4 tablets

6.	Atropine Sulfate	3.0	mg
7.	Dextrose 50% (prefilled)	50.0	gm
8.	Diphenhydramine (Benadryl)	100.0	mg
9.	Epinephrine, 1:10,000	3.0	mg
10.	Epinephrine, 1:1,000	2.0	mg
11.	Furosemide (Lasix)	100.0	mg
12.	Lidocaine, 1% or 2% (IVP)	200.0	mg
13.	Naloxone (Narcan)	4.0	mg
14.	Nitroglycerine Metered Dose Aerosol Units (0.4 mg)	1.2	mg

b. Intravenous Access - Solutions & Accessories:

#	ITEM/DESCRIPTION	MINIMUM AMOUNT	
1.	Alcohol Preps	10	
2.	Betadine Preps	5	
3.	IV Catheters (14,16,18,20,22,24 ga)	2	each
4.	IV Tubing (Microdrip, 60 gtts/ml)	2	
5.	IV Tubing (10 gtts/ml - or (1) 10 gtts/ml and (1) 15/20 gtts/ml)	2	
6.	Hypodermic Needles (18 or 20 ga)	5	
7.	Mucosal Atomization Device (MAD)	2	
8.	Lancets (for BG analysis)	2	
9.	Normal Saline 0.9% (1000 ml bags)	2	liters
10.	Normal Saline 0.9% for Injection - Single Dose Vials	5	ml total
11.	Saline Locks	2	
12.	Syringes (1,3,10,20 cc)	1	each
13.	Tourniquets (1"X 5" Penrose or =)	2	
14.	Vacutainer Tube (red)	1	

c. Airway Maintenance:

#	ITEM/DESCRIPTION	MINIMUM AMOUNT	
1.	Cricothyrotomy Unit (EMS Dept. Approved Unit Only - Pertrach, Adult, 5.6 mm I.D., Cuffed, with tube, dilator, scalpel, #14 splitting needle	1	sterile
2.	Endotracheal Tubes (2.5,3,4,4.5 mm)	1	each
3.	Endotracheal Tubes (5,6,6.5,7,8 mm)(with cuff)	1	each
4.	ET Intubation Tube Stylets (adult)	1	
5.	ET Intubation Tube Stylets (pediatric)	1	
6.	Secondary ET Confirmation device	2	
7.	Commercial ET Tube holder	2	
8.	Lubricant, water soluble (K-Y)	5	ml
9.	Oral Airways - Must meet CHP, HPH 82.4 recommendations, Page 4-2	1	set
10.	Oxygen Mask - Adult & Pediatric	1	each
11.	Oxygen Nasal Cannula	1	
12.	Oxygen Mask - Adult Non-Rebreather	1	
13.	Scalpel - # 11 Blade	1	
14.	Thoracic Decompression Unit (EMS Dept. approved unit only # C-HPS-1-EMORY-010386-CD1163)	1	set

Airway Maintenance - Continued:

#	ITEM/DESCRIPTION	MINIMUM AMOUNT	
13.	Ventilation Bag-valve unit with oxygen port and reservoir or demand valve bag attachment (Adult, Pediatric and Infant)	1	each
14.	Ventilation Bag Mask - Semi-open, valveless, transparent (infant, pediatric and adult)	1	each

d. Bandages and Dressings:

#	ITEM/DESCRIPTION	MINIMUM AMOUNT
1.	Band-aids (1" X 3") -----	5
2.	Dressing, 3" Kling/Kerlix -----	2 sterile
3.	Dressing, 4" X 4" -----	2 tubs
4.	Dressing, 8" x 10" -----	2 sterile
5.	Tape, 1" Plastic or Silk-----	2
6.	Triangle Bandage -----	1
7.	Vaseline Gauze -----	1 sterile

e. Miscellaneous Supplies:

#	ITEM/DESCRIPTION	MINIMUM AMOUNT
1.	Cervical Collars, Solid Plastic Construction (infant, child, adult-adjustable or =) -----	1 each
2.	Cold Packs (single use disposable) -----	2
3.	Dextrose Sticks/Chemstrips or Blood Glucose Analysis Device-----	6 Strips
4.	ECG Electrodes, Adult -----	6
5.	ECG Electrodes, Pediatric -----	3
6.	Electrode Jell -----	1 bottle
7.	Gloves, multi-size, non-permeable and non-sterile (box with minimum of 6 individual gloves) -----	1 box
8.	Shield, transparent or goggles for Eye Protection-----	1
9.	Splint, Cardboard (arm, wrist, leg) or equivalent-----	1 each
10.	Surgical Mask -----	1

2. Required ALS Bike-Medic Medical Supplies and Equipment Inventory - Non-Expendable:

a. Airway Maintenance:

#	ITEM/DESCRIPTION	MINIMUM AMOUNT
1.	Laryngoscope Blades:	
	A. Straight (sizes - 0,1,2,3) -----	1 each
	B. Curved (sizes - 2,3) -----	1 each
2.	Laryngoscope Handle -----	1
3.	Magill Forceps -----	1
4.	Oxygen Tank - Portable with regulator, liter flow control (500 psi) -----	1 set
5.	Portable Suction Unit, shall meet CHP, HPH 82.4 recommendations, Page: 4-3 -----	1 unit

b. Cardiac and Communications:

#	ITEM/DESCRIPTION	MINIMUM AMOUNT
1.	Defibrillation Paddles (adult and ped) -----	1 set each
2.	Biomedical Radio (portable) with voice access to Med-9 PL7A; Med-9 PL7Z; Med-7 PL7A of the Kern County Medical Radio System-----	1 unit
3.	Oscilloscope/Defibrillator with	

patient cable and capable of  
synchronization -----1 set

c. **Miscellaneous Medical Supplies and Equipment:**

<u>#</u>	<u>ITEM/DESCRIPTION</u>	<u>MINIMUM AMOUNT</u>
1.	Blood Pressure Cuff with Gauge - Adult -----	1
2.	Puncture Proof Sharps Container -----	1
3.	Scissors and Portable Light -----	1 each
4.	Stethoscope -----	1

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