

CENTRAL CALIFORNIA
EMERGENCY MEDICAL SERVICES
A Division of the Fresno County Department of Public Health

Manual	Emergency Medical Services Administrative Policies and Procedures	Policy Number 291
Subject	Equipment Standards - EMS Units	Page 1 of 18
References		Effective 01/01/85

I. POLICY

Authorized EMS units in Fresno, Kings, Madera, and Tulare Counties shall maintain an inventory of equipment, which includes all items within these equipment standards established by the Central California EMS Agency.

This policy is divided into five (5) sections (Appendix A). Each section lists the description of inventory, minimum amounts of inventory, and inventory requirements for each EMS unit classification. Appendix A includes specific inventory requirements for FRU/AED, BLSU, ALSU, Special Event and SUPV VEH.

II. DEFINITIONS

ALSU	Advanced Life Support Unit - An ambulance or ALS First Responder unit (including EMS helicopters) which is equipped and staffed to provide Paramedic level patient care.
BLSU	Basic Life Support Unit - An ambulance unit which is equipped and staffed to provide EMT level patient care. A BLSU shall be capable of providing patient transport.
FRU	First Responder Unit – A non-transport emergency vehicle that is equipped and staffed to provide Basic First Responder (EMT or Public Safety First Aid) level patient care.
MIN	Minimum - The minimum amount of equipment required for an EMS unit to be in service.
Special Event	ALS modified unit used to support community events. (Example: bike medics, ALS golf carts, etc.) (See Section H of this policy.)
SUPV VEH	Advanced Life Support or BLS First Responder Vehicle – EMS vehicles operated by supervisors or managers from ambulance providers that respond to emergency medical incidents.

III. PROCEDURES

- A. These standards are based upon medical protocols as developed by the EMS community, as well as the operational experience of Fresno, Kings, Madera, and Tulare County EMS providers.

Approved By	Revision
EMS Director Daniel J. Lynch (Signature on File at EMS Agency)	08/10/2022
EMS Medical Director Jim Andrews, M.D. (Signature on File at EMS Agency)	

Subject	Equipment Standards - EMS Units	Policy Number 291
	<p>B. Each EMS unit equipment inventory shall be maintained by the provider agency at or exceeding the standards established by the Central California EMS Agency. The equipment shall be clean, not expired, in good condition and tested regularly.</p> <p>C. As a minimum, equipment inventories shall be checked prior to or at the beginning of each shift. Included in the equipment inventory check, each provider agency shall develop a mechanism for checking the response unit's fluid levels, electrical system, and mechanical equipment to ensure that the unit is clean, in good condition and is safe for operation. When shifts are greater than 24 hours in length, daily checks are required.</p> <p>D. EMS units shall not be placed into service with equipment inventories below minimum levels. If during a shift, inventory was utilized on the previous incident and the unit is unable to restock prior to being dispatched to another incident, the unit may respond. However, in this situation, the responding unit shall advise dispatch of their deficiencies and request that a fully stocked backup unit be simultaneously dispatched. Once the primary unit arrives on scene and determines the missing inventory is needed, the backup unit will have already been dispatched. If the unit determines it can handle the incident without the missing inventory, the backup unit should be canceled.</p> <p>EMS units with inventory deficiencies shall be removed from service until required inventories can be replaced.</p> <p>E. If an ALSU is used as a BLSU, during this time, <u>all</u> ALS medications, and the EKG monitor, which is not approved for a BLSU shall be secured in a locked cabinet (without EMT access) or removed from the unit.</p> <p>F. Annual and random inspections by EMS Agency personnel will be made to verify that EMS units are maintained in compliance with these requirements.</p> <p>G. Testing of new equipment - Prehospital care equipment is constantly being developed or redesigned. EMS provider agencies wishing to utilize equipment, which does not meet the standards, described in this policy or is not addressed in this policy, may do so through a field-testing process. Field-testing will progress as follows:</p> <ol style="list-style-type: none"> 1. Submit a written request to the EMS Agency including manufacturer's description of equipment. 2. Receive written approval from the EMS Agency prior to conducting the field test. 3. The field-testing shall be for a period of time agreed upon by the provider agency and the EMS Agency. 4. If the equipment is a substitute for a piece of equipment described in this policy, the provider agency shall carry the approved piece of equipment as a backup during the field test. 5. The EMS Agency and the provider agency shall develop criteria for evaluating the medical and operational effectiveness of the equipment. The provider agency shall provide the EMS Agency with a written evaluation of the equipment at the conclusion of the field test addressing each of the evaluation criteria. 6. The EMS Agency may disallow the use of the equipment, approve the use of the equipment for the provider, or amend this policy to allow for system-wide use. 7. The EMS Agency may waive any or all steps in the field-testing process for cause. <p>H. Special Event Units - An ALS (Paramedic) bicycle or mobile unit shall consist of a Paramedic and one EMT partner.</p> <ol style="list-style-type: none"> 1. Event Coordinator should be aware of use of bicycle or mobile unit as standby. 2. Bicycle or mobile units must function in compliance with the policies and procedures of the Central California EMS Agency. 3. The members of a bicycle or mobile unit must respond and function as a team at all times. 	

Subject	Equipment Standards - EMS Units	Policy Number 291
---------	---------------------------------	----------------------

4. Bicycle or mobile units will be designated as AC1, AC2, AC3, etc. (Advanced Cycle 1, 2, 3).
 5. Simultaneous dispatch of an ALS transport unit is required for all Priority One and Priority Two responses, or crew should dispatch a unit if advised of Priority One or Two call.
 6. Bicycle or mobile units will be classified as out-of-service until restocked in compliance with EMS Policy #291. Units may restock from the ALS transportation unit if time allows or from extra supplies stored at the event site to facilitate restocking.
 7. Controlled substances must be with a Paramedic at all times during the event.
 8. Bicycle or mobile units must be checked out and used only with the permission of the management of the provider agency, and EMS dispatch must have the incident documented.
- I. Personal Protection Equipment
1. Every person working on an ambulance or supervisor vehicle in the CCEMSA region (public or private, emergency or non-emergency) should have available, as a minimum, the listed personal protective equipment (PPE) for each responder to ensure appropriate safety and readiness.
 2. Every responder utilizing respiratory equipment will be fit-tested and trained for proficiency and core competencies prior to provision.
 3. Ambulance personnel should not enter any incident requiring PPE beyond their level of provision and training.
- J. Requests for exception to this policy shall be made in writing to the EMS Agency.

Subject	Equipment Standards - EMS Units	Policy Number 291
---------	---------------------------------	----------------------

APPENDIX A**AIRWAY AND BREATHING ADJUNCTS**

DESCRIPTION	MIN	FRU	BLSU	ALSU	Special Event	SUPV VEH
1. Bite Block/Bite Stick	1	x	x	x	x	x
2. Bulb Syringe (2 oz.)	1		x	x		x
3. Bag-Valve Resuscitator						
Adult	1	x	x	x	x	x
Pediatric	1	x	x	x	x	x
a. Self-Filling						
b. Minimum Volume						
Adult 1500 ml						
Pediatric 500 ml						
c. Oxygen reservoir system capable of delivering 100% oxygen. May utilize either the manufacturer's reservoir system or a minimum of 3 links (18 inches) of large bore aerosol tubing.						
d. Pediatric units shall have a pressure release valve, which prevents pressures greater than 35 cm H ₂ O.						
4. Endotracheal Tubes						
5.0 with cuff	1	Optional EMT-P Only		Optional EMT-P Only	Optional EMT-P Only	Optional EMT-P Only
6.0 or 6.5 with cuff	1					
7.0, 7.5, and 8.0 with cuff	1					
10 ml regular tip syringe (non-sterile) for cuff inflation	1					
5. End Tidal CO ₂ Detector (Optional if cardiac monitoring equipment is equipped with capnography)						
Adult	1			x		x
Pediatric	1			x		x
6. Esophageal Detector Device	1	Optional EMT-P Only		Optional EMT-P Only	Optional EMT-P Only	Optional EMT-P Only
7. Endotracheal Tube Immobilizer	1	Optional EMT-P Only		Optional EMT-P Only	Optional EMT-P Only	Optional EMT-P Only
8. i-gel Supraglottic Airway						
3, 4, and 5	1			x	x	x
9. Heimlich Valve Set	2			x	x	x
a. Cook's "Simple Pneumothorax Aspiration Accessory Set" or equivalent with connecting tubing.						
b. Intravenous catheter (radiopaque) over needle – 10 gauge at least 3¼ inches long for an adult patient and a 14 gauge at least 1¼ for a pediatric patient.						
10. Laryngoscope						
#3 and #4 Curved Blades	1			x	x	x
#1, #2, #3, and #4 Straight Blades	1			x	x	x
Handle With Batteries	1			x	x	x
Extra set of batteries	1			x	x	x

Subject	Equipment Standards - EMS Units	Policy Number 291
---------	---------------------------------	----------------------

AIRWAY AND BREATHING ADJUNCTS -CONTINUED

DESCRIPTION	MIN	FRU	BLSU	ALSU	Special Event	SUPV VEH
11. Lubricant a. Individual Packages - Sterile - Water Soluble	2	x	x	x	x	x
12. Magill Forceps Adult Pediatric	1 1			x	x x	x x
13. Nebulizer Set a. Acorn-type jet b. Face mask (adult/pediatric) (May use non-rebreathing mask)	2			x	1	x
14. Oxygen Delivery Unit - Portable a. Oxygen Powered Breathing Device (OPBD) Demand Valve with 40 L/min. flow rate b. Liter flow capable of delivering 1-15 L/min. flow rate. c. Minimum of 10 minutes of oxygen when using OPBD (approximately 750 psi). d. Backup tanks for a portable unit shall provide for a minimum of 30 minutes of use. <u>NOTE:</u> BLS units do not need to carry the OPBD	1	x BLS units do not need to carry the OPBD	x BLS units do not need to carry the OPBD	x	x	x
15. Oxygen - Connecting Tubing (separate O2 connecting tube not needed if included with bag-valve mask)	2	x	x	x	1	x
16. Oxygen - Nasal Cannula - Adult	2	x	x	x	1	x
17. Oxygen - Non-Rebreathing Mask Adult Pediatric a. Shall be a mask with a reservoir bag and one-way valve, which prevents exhaled air from entering the bag.	2 2	x x	x x	x x	1 1	x x
18. Oxygen - Resuscitator Mask (OPBD/BVM) Adult Child Infant Neonate a. Shall be "see through" to allow for observation of possible emesis. <u>NOTE:</u> BLS units do not need to carry the OPBD	1 1 1 1	x x x x	x x x x	x x x x	x x x x	x x x x
19. Nasopharyngeal Airway (Soft Plastic) Small, Medium and Large	1	x	x	x	x	x
20. Continuous Positive Airway Pressure (CPAP) (Optional for ALS First Responder)	1			x		
21. Pulse Oximeter				Optional	Optional EMT-P Only	Optional EMT-P Only
22. Capnography - used for ET Tube placement May be used while ventilating with BVM				Optional	Optional EMT-P Only	Optional EMT-P Only

Subject	Equipment Standards - EMS Units	Policy Number 291
---------	---------------------------------	----------------------

AIRWAY AND BREATHING ADJUNCTS -CONTINUED

DESCRIPTION	MIN	FRU	BLSU	ALSU	Special Event	SUPV VEH
20. Oropharyngeal Airway 6 Assorted Sizes (Adult, Child, Infant)	1	x	x	x	x	x
21. Stylet - Endotracheal Tube Adult	1			Optional EMT-P Only	Optional EMT-P Only	Optional EMT-P Only
22. Suction Unit – Portable a. Battery, Manual or Oxygen Powered.	1	x	x	x	x	x
23. Suction Catheters Fr. style, assorted sizes (Small, Medium, Large)	1	x	x	x	x	x
Rigid Pharyngeal Suction Tip a. Sterile packaging. b. Suction control port.	1	x	x	x	x	x
<u>NOTE:</u> FRU shall have suction catheters consistent with the type of suction unit utilized (battery/oxygen powered) and capable of rapidly removing emesis and blood.						
24. Transtracheal Jet Insufflation Kit a. Intravenous catheter (radiopaque) over needle, 10 gauge x 3 inch. b. Pediatric Anesthesia Adapter, 15 mm to 3 mm.	1			x	x	x

Subject	Equipment Standards - EMS Units	Policy Number 291
---------	---------------------------------	----------------------

DRESSINGS AND BANDAGES

DESCRIPTION	MIN	FRU	BLSU	ALSU	Special Event	SUPV VEH
1. Adhesive Bandage 1" x 3" (i.e. "Band-Aid")	2	x	x	x	10	x
2. Conforming Gauze 3" or 4" (i.e. "Kling")	4	x	x	x	2	x
3. Elastic Bandage 4" (i.e. "Ace")	1	x	x	x	x	x
4. Commercial Tourniquet	2	x	x	x	x	x
5. Triangular Bandage	4	x	x	x	2	x
6. Bandage Shears	1	x	x	x	x	x
7. Combine Dressing 5" x 9" - Sterile	4	x	x	x	2	x
8. Dressing Sponge 4" x 4" - Sterile Package of 2	10	x	x	x	1	x
9. Dressing Sponge 2" x 2" - Sterile Package of 2	2		x	x	x	x
10. Petroleum Jelly Gauze - Sterile a. Approx. 3" x 9"	2	x	x	x	1	x
11. Sheet (Burn) - Sterile	1	x	x	x	x	x
12. Multi-Trauma Dressing - Sterile Approx. 10" x 30"	1	x	x	x	x	x

Subject	Equipment Standards - EMS Units	Policy Number 291
---------	---------------------------------	----------------------

COMMUNICATIONS EQUIPMENT

In accordance with the recommendations set forth by the California Statewide Interoperability Executive Committee – Central Planning Area, all public safety vehicles (law, fire, EMS) must have access to both UHF and VHF radio systems. The table below lists requirements and recommendations for the UHF and VHF radios in the Central California EMS Region. The EMS Agency maintains a minimum listing of channels and frequencies that are required to be programmed into each radio. The radio frequencies will be available from the EMS Agency upon request.

DESCRIPTION	MIN	FRU	BLSU	ALSU	Special Event	SUPV VEH
<p>1. Hand-Held/Portable Radio - UHF</p> <p>Hand-Held/Portable UHF radio communications equipment and communications frequencies are currently required for BLSU, ALSU, Stand-by, and SUPV VEH. All UHF radios shall have the following:</p> <ul style="list-style-type: none"> a. DTMF keypad for hospital radio activation b. 512 channel capability (recommended) c. Ability to be “toned out” or be alerted d. P25 compliant 	1		x	x	x	x
<p>2. Vehicular Mounted Radio - UHF (For All Units Capable of Providing Transport)</p> <p>Vehicular mounted UHF radio communications equipment and communication frequencies are currently required for all BLSU, ALSU, and SUPV VEH. All UHF radios shall have the following:</p> <ul style="list-style-type: none"> a. DTMF keypad for hospital radio activation b. 512 channel capability (recommended) c. Ability to be “toned out” or be alerted d. P25 complaint 	1		x	x		x
<p>3. Vehicular Mounted Radio - VHF</p> <p>Vehicular mounted VHF radio communications equipment and communications frequencies are required for BLSU, ALSU, and SUPV VEH. All VHF radios shall have the following:</p> <ul style="list-style-type: none"> a. 512 channel capability (recommended) b. P25 compliant 	1	x	x	x		x

Subject	Equipment Standards - EMS Units	Policy Number 291
---------	---------------------------------	----------------------

ELECTROCARDIOGRAPHY EQUIPMENT

DESCRIPTION	MIN	FRU	BLSU	ALSU	Special Event	SUPV VEH
1. EKG Monitor/Recorder/Defibrillator - Portable with patient cable a. Must provide a continuously adjustable energy range from 0-360 delivered joules or a series of discreet energy steps from 20 to 360 joules when delivered into a 50-ohm load or bi-phasic equivalent. b. The defibrillator shall have a maximum charge time (to 360 joules or bi-phasic equivalent) of 15 seconds or less. c. Paddles or hands free pads for the purpose of defibrillation/cardioversion. <u>NOTE:</u> ECG Units purchased after 5/1/02 must include the capability of pacing and 12-lead ECG.	1			x	x	x
2. Adult multifunction hands free defibrillation pads	2			x	x	x
3. Pediatric multifunction hands free defibrillation pads	2			x	x	x
4. 5. ECG Electrodes Adult Pediatric a. Self-adhesive (diaphoretic type preferred). b. Inventory for several 12-lead applications	2 2			x x	x x	x x
5. Automated External Defibrillator (portable) – with patient cable (AUTHORIZED AED UNITS ONLY) a. Must provide energy of 360 joules when delivered into a 50-ohm load or bi-phasic equivalent) b. The monitor shall have a maximum charge time (to 360 joules or bi-phasic equivalent) of 15 seconds or less.	1	x	x		x (AED Required when staffed with BLS staff)	x (AED Required when staffed with BLS staff)
6. ECG/Defibrillation Electrodes – Multifunction hands free pads (AUTHORIZED AED UNITS ONLY)	2	x	x			x

Subject	Equipment Standards - EMS Units	Policy Number 291
---------	---------------------------------	----------------------

FORMS

DESCRIPTION	MIN	FRU	BLSU	ALSU	Special Event	SUPV VEH
1. Emergency Response Guidebook (HazMat) a. Most current edition available. b. Published by D.O.T. or equivalent.	1	x	x	x		x
2. Medical Transportation Information Log (MCI)	5		x	x	x	x
3. Locally Approved Disaster Triage Tag	20	x	x	x	10	50
4. Multi-Casualty Checklists (Set of 4)	1	x	x	x		x
5. Treatment Protocols (Paper copies not required if available EMT via electronic means) PARAMEDIC	1 1	x	x	x x	x x	x x
6. Physician Information Card	1	x	x	x	x	x
7. Physician Information Letter	1			x	x	x
8. Maps of Service Area, Area of Mutual Aid	1	x	x	x		x

Subject	Equipment Standards - EMS Units	Policy Number 291
---------	---------------------------------	----------------------

MEDICATION ADMINISTRATION

DESCRIPTION	MIN	FRU	BLSU	ALSU	Special Event	SUPV VEH
1. IV Administration Sets – Primary Standard Sets = Adult-10-15 drops/ml Pediatric Sets = 60 drops/ml	4 2			x x	2 1	2 1
2. Measured Volume Solution Administration Set a. Minimum 100 ml control chamber (McGaw V2905 or equivalent). b. Flow rate - 60 drops/ml - if tubing/drip chamber included.	1			x	x	x
3. Medication Labels	2			x		
4. Needles Intravenous catheter (radiopaque) over needle (recommend safety needles). 14, 16, 18 and 20 gauge. 22, 24 gauge.	4 2			x x	2	x x
5. Jamshidi Disposable Illinois Aspiration Needle Intraosseous Kit, or B.I.G. IO Gun, or EZ IO a. 15 ga needle (Jamshidi). b. Adjustable length - 3/8" x 1 7/8" (Jamshidi). c. Pharmaseal #DIN1515 (Jamshidi).	1			x	x	x
6. Preps Alcohol Povidone-Iodine	3 3			x x	x x	x x
7. Prep Razor - Disposable	1	x	x	x	x	x
8. PRN Adaptor (Saline Locks)	2			x		x
9. Syringes 50-60 ml Regular Tip 20 ml Regular Tip 10 ml Regular Tip 3 ml Regular tip with Needle (recommend safety needles) 1 ml Regular Tip with Needle (recommend safety needles) a. Plastic b. Sterile c. Non-Locking Tip	1 1 2 2 2			x x x x x	 x x	x x x x x

Subject	Equipment Standards - EMS Units	Policy Number 291
---------	---------------------------------	----------------------

MEDICATION ADMINISTRATION - CONTINUED

DESCRIPTION	MIN	FRU	BLSU	ALSU	Special Event	SUPV VEH
10. Transfer Needles - Assorted Sizes (recommended safety needles)	4			x		x
11. Commercial IV Start Kit a. Including: Tourniquet, preps and dressing	2			x	x	x
12. Instant Glucose Paste	1	x	x	x	x	x
13. Blood Glucose Test Lancets or Other Finger Prick Device	1		x	x	x	x
14. Glucometer/CHEM STRIP BG - Blood Glucose Test Strip	1		x	x	x	x
15. Mucosal Atomizer Device (MAD) MAD is not required for agencies that carry a Narcan injector that do not require MAD.	2			x	1	x
16. Drug Compartment a. Door with key lock. b. Hidden hinges recommended.	1			x	x	x

Subject	Equipment Standards - EMS Units	Policy Number 291
---------	---------------------------------	----------------------

MISCELLANEOUS EQUIPMENT

DESCRIPTION	MIN	FRU	BLSU	ALSU	Special Event	SUPV VEH
1. Benzoin (Tincture of) Aerosol can; or Individual snap vials or swabs.	1 3			x x	x 2	x x
2. Broselow Tape	1			x	x	x
3. Cold Packs (Instant)	4	1	x	x		
4. Flashlight/Penlight	1	x	x	x	x	x
5. Incontinent Pads	2		x	x		
6. Irrigation Solution Normal Saline (Sterile) 1000 ml Administration Sets <u>NOTE:</u> Administration sets not required if administration is capable with an I.V. administration set.	2 2	1 1	x x	x x		1 1
7. Obstetrical Kit (Sterile) a. Minimum contents: - Exam gloves. - OB pad. - Scalpel/Scissors. - 2 Cord clamps or nylon tie-offs. - Bulb syringe. - Receiving blanket.	1	x	x	x	x	x

Subject	Equipment Standards - EMS Units	Policy Number 291
---------	---------------------------------	----------------------

MISCELLANEOUS EQUIPMENT - CONTINUED

DESCRIPTION	MIN	FRU	BLSU	ALSU	Special Event	SUPV VEH
8. Sphygmomanometer						
Adult	2	1	x	x	1	1
Pediatric	1	x	x	x	x	x
Infant	1		x	x		
Thigh	1	x	x	x		
<p><u>NOTE:</u> Electronic BP Systems may be utilized for ongoing monitoring of status. Manual techniques should be utilized for initial measurements and to confirm abnormal readings.</p>						
9. Stethoscope						
Adult	1	x	x	x	x	x
Pediatric	1	x	x	x	x	x
10. Tape - Medical						
1" Plastic/Cloth/Adhesive	1	x	x	x		x
2" Cloth/Adhesive (No Plastic)	1	x	x	x	x	x
11. Tape Measure	1		x	x		x
a. Cloth or Paper						
12. Vest - Multi-Casualty I.D.	3		x	x		4
a. ANSI/ISEA 107: 2004 Hi-visibility vest with clear pockets on chest and back for insertion of placard designating ICS position. Fed law effective 11/24/2008.						
13. Contagious Disease Decontamination Solution	1	x	x	x		x
a. 1:10 bleach solution (5.25% household bleach);						
b. Any disinfectant proven effective against community acquired pathogens.						
14. Garbage Bags						
Plain	2	x	x	x	1	x
Red (for contaminated material)	2	x	x	x	1	x
15. Portable "Sharps" Container	1	Recommended	x	x	x	x

Subject	Equipment Standards - EMS Units	Policy Number 291
---------	---------------------------------	----------------------

PERSONEL PROTECTION EQUIPMENT - CONTINUED

DESCRIPTION	MIN	FRU	BLSU	ALSU	Special Event	SUPV VEH
1. Rescue Helmet (Work Helmet)	2		x	x		x
2. Garment (single use) "Tyvek"	2		x	x		x
3. Protective Glasses or goggles, as appropriate	2	x	x	x	1	x
4. Gowns	2	x	x	x	1	x
5. Surgical masks (May be substituted with N95 etc.)	2	x	x	x	1	x
6. Gloves (pair) – Work (Multiple use, Leather)	2		x	x		x
7. Gloves – (pair) Assigned to Unit Non-Sterile Exam Gloves	2	x	x	x	x	x
8. Footwear covers, (pair) (single use) chemical resistant	2		x	x		x
9. N-95 Masks (May carry higher rated such as a P-100) Mask Utilization should be consistent with the provider's aerosol transmissible diseases (ATD) Policy	2	x	x	x	x	25

Subject	Equipment Standards - EMS Units	Policy Number 291
---------	---------------------------------	----------------------

SPLINT/IMMOBILIZATION

DESCRIPTION	MIN	FRU	BLSU	ALSU	Special Event	SUPV VEH
1. Cervical Immobilization Collars Infant Small Medium Large The following type and size of cervical immobilization collars are recommended: a. Soft collar b. Sizes: Tall, Regular, Short, "No Neck", Pediatric, and "Baby No Neck".		Optional	Optional	Optional	Optional	Optional
2. Extrication Device for Spinal Immobilization a. Kendrick Extrication Device or equivalent.	1	Optional	x	x		x
3. Head Stabilizer a. Lightweight device utilized in conjunction with spineboard to restrict lateral cervical spine and head movement. This device is designed to occupy the space along both lateral sides of the head when patient is on a spineboard, and must be of sufficient length to reach from the patients shoulders to the top of the head.	2 sets	1 set	x	x		x
4. Spineboard Long (consider break-away flat or vacuum splint)	1	x	x	x		x
5. Spineboard Straps a. Minimum of 3 straps, 2 inches in width and of adequate length to allow for immobilization of a patient to the spineboard.	1 set	x	x	x		x
6. Splints Arm (Min. 18") Leg (Min. 24") a. Cardboard, Wire, Air or Vacuum.	2 2	x x	x x	x x		x x
7. Traction Splint Adult Pediatric a. Hare Traction, Sager Splint or equivalent. <u>NOTE:</u> Pediatric Traction Splint not required if adult splint adjusts to size to fit pediatric patients.	1 1		x x	x x		x x

Subject	Equipment Standards - EMS Units	Policy Number 291
---------	---------------------------------	----------------------

TRANSPORT UNIT EQUIPMENT**Only Required for Ambulances and Transport Capable First Responder Units**

DESCRIPTION	MIN	FRU	BLSU	ALSU	Special Event	SUPV VEH
1. Wheeled Stretcher with Elevating Head a. Adjustable - 3 levels minimum. b. Mattress. c. Patient Restraint: - 2 per stretcher (3 suggested). - 2" wide. - Nylon or other durable material. - Two piece quick release buckle system.	1		x	x		
2. Hospital Type Piped Oxygen Supply System a. Capable of storing and supplying 3000L minimum "M" tank). b. Reducing valve/pressure regulator preset at 50 ± 10 psi line pressure. c. Minimum of 500 psi.	1		x	x		
3. Liter Flow Meter - capable of 1-15 L/min. with Humidifier available	1		x	x		
4. Oxygen Powered Breathing Device (Demand Valve) a. 40 L/Min. instant flow	1			x		
5. Suction Unit - In Vehicle a. Engine vacuum or electrically powered. b. Securely mounted and readily accessible. c. Minimum 300 mm Hg vacuum within 3 seconds with an air flow of 20 L/min at the end of the suction tube. d. Rate of flow and pressure not affected by variation in engine speed. e. Collection bottle/bag with minimum 1000 ml capacity. f. Suction tubing - minimum 1/4" diameter.	1		x	x		
6. Fire Extinguisher a. Multipurpose dry chemical.	1		x	x		x
7. Padded Ankle/Wrist Restraints Set a. If a soft tie, 3" wide so as to be 2' wide when tied.	1		x	x		

Subject	Equipment Standards - EMS Units	Policy Number 291
---------	---------------------------------	----------------------

TRANSPORT UNIT EQUIPMENT - CONTINUED**Only Required for Ambulances and Transport Capable First Responder Units**

DESCRIPTION	MIN	FRU	BLSU	ALSU	Special Event	SUPV VEH
8. Linen a. Launderable or disposable. b. Complete set includes one (1) pillow case and two (2) sheets.	4		x	x		
9. Pillows	2		x	x		
10. Blankets	2		x	x		
11. Towels (disposable or cloth)	2		x	x		
12. Urinal	1		x	x		
13. Bedpan/Fracture Pan	1		x	x		
14. Emesis Basin	1		x	x		