

SAN FRANCISCO EMERGENCY MEDICAL SERVICES AGENCY

Policy Reference No.: 4001

Effective Date: July 1, 2013

Supersedes: July 1, 2012

VEHICLE EQUIPMENT & SUPPLY LIST

I. PURPOSE

To establish consistent minimum equipment and supplies standards for Basic Life Support and Advanced Life Support vehicles in the City and County of San Francisco.

II. POLICY

- A. This policy does not supersede the California Vehicle Code or the California Code of Regulations requirements for ambulance equipment.
- B. All ambulances shall be inspected by the EMS Agency to receive a permit to operate in the City and County of San Francisco. Inspections shall be done at the time of issuing the initial permit, then annually thereafter. Ambulances must demonstrate compliance to the equipment standards in this policy to qualify for a permit.
- C. All first responder units, ambulances and supervisory units shall minimally stock the equipment and supplies as listed in the attachment to this policy. **Actual quantities stocked should take into consideration the amounts typically used in a shift(s) plus additional quantities to maintain adequate supplies for periods of high demand or re-stocking delays.**
- D. Every ALS and BLS first response, ambulance and supervisory units shall have an 800MHz radio in compliance with *Policy 3010 EMS Communications Equipment and Procedures*.
- E. Every BLS and ALS mobile team (foot, bicycle or gator) ALS units and field supervisor units shall have the appropriate medical supplies and equipment to provide patient care.
- F. First responder vehicles, supervisor vehicles, or ambulances may not stock any medications, or medical devices or equipment that is not approved in advance by the EMS Agency Medical Director.
- G. Each ambulance company provider shall create a "par-list" check out sheet for every first responder unit, ambulance, ambulance, and engine that identifies the minimum number of each piece of equipment required on each unit. Crew members shall inspect their unit at least once every 24-hour period to verify that the minimum level of equipment is present on the vehicle. A crew member shall attest to the completed inspection, by signing the

check out sheet. The ambulance provider company shall maintain document as a record for six months.

III. AUTHORITY

San Francisco Health Code, Article 14, Section 903

California Vehicle Code, Section 2500 - 2505

California Health and Safety Code, Section 1797.220

California Code of Regulations, Title 13, Division 2, Chapter 5, Article 1, § 1100

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Attachment: Policy 4001 Minimum Equipment Requirements					
Line #	AIRWAY / RESPIRATORY	BLS First Response	BLS Amb	ALS First Response	ALS Amb
1	M, or H oxygen cylinder	-	1	-	1
2	Oxygen Flowmeter capable of delivering 2-15 LPM	-	1	-	1
3	D or E size oxygen cylinders	2	3	2	3
4	Regulators for D or E Oxygen Cylinders capable of delivering 2-15 LPM	1	1	1	1
5	Nasal Cannulas - Adult	2	2	2	2
6	Nasal Cannulas - Pedi	1	2	1	2
7	Simple Oxygen Masks - Infant	-	1	-	1
8	Non-Rebreather Masks - Adult	1	2	1	2
9	Non-Rebreather Masks - Pedi	1	1	1	1
10	Bag Valve Masks - Adult	2	3	2	3
11	Bag Valve Masks - Pedi	2	2	2	2
12	Bag Valve Masks - Infant	2	2	2	2
13	Oral Airway, Set with sizes 0, 1, 2, 3, 4, 5, & 6	1	1	1	1
14	Nasal Pharyngeal Airways Set of sizes 26, 28, 30, 32, & 34 Fr	1	1	1	1
15	Tongue Depressors	2	2	2	2
16	Portable Suction Device - Manual Pump Type OR	1	1	1	1
17	Portable Suction Device - Battery Operated	1	1	1	1
18	Rigid Pharyngeal Tonsil Tip (Yankauer Suction)	1	1	1	1
19	Suction Tubing	1	2	1	2

20	Suction Bulbs 1oz, 2oz, or 3oz (sterile)	-	1	-	1
21	Suction Catheters 6, 8, 10, 12, & 14 Fr	-	-	2	2
22	King Laryngeal Tube, Adult, Sizes 3, 4 and 5	-	-	1	1
23	King Laryngeal Tube, Pedi / Infant, 2.0, 2.5	-	-	1	1
24	Uncuffed Endotracheal Tubes, 2.0, 2.5, 3.0	-	-	2	2
25	Meconium Aspirator	-	-	2	2
26	Cuffed Endotracheal Tubes, 6.0, 6.5, 7.0, 7.5, 8.0, & 8.5	-	-	2	2
27	ET Tube holder or ties	-	-	2	2
28	Laryngoscope Blades w/ extra bulbs, Miller Type: 0, 1, 2, 3, & 4	-	-	1	1
29	Laryngoscope Blades w/ extra bulbs, Macintosh Type: 1, 2, 3, & 4	-	-	1	1
30	(Optional) Grandview Blades, Adult and Child	-	-	1	1
31	Large Laryngoscope Handle	-	-	1	1
32	Small Laryngoscope Handle	-	-	1	1
33	Stylettes: Adult (If not in ETT)	-	-	1	1
34	Magill Forceps, Adult	-	-	1	1
35	Magill Forceps, Pedi	-	-	1	1
36	10 or 12 mL syringe with leur slip tip	-	-	1	1
37	Beck Airway Airflow Monitor (BAAM) Whistle	-	-	1	1
38	Cetacaine Spray bottle	-	-	1	1
39	Lidocaine gel 2% tube or bottle	-	-	1	1
40	Phenylephrine HCL 0.25% or 0.50% nasal spray bottle	-	-	1	1
41	Handheld Nebulizer	-	-	2	2
42	Needle Cricothyroidotomy Kit (WITHOUT scalpel)	-	-	1	1
43	CPAP Device able to deliver PEEP of 10 mm H2O, breathing circuits, masks	-	-	1	1
44	Electronic Capnography device (may be integrated in monitor)	-	-	1	1
45	Capnography filterline with adapter to connect to ET tube	-	-	1	1
46	Pulse Oximeter (may be integrated into monitor)	-	-	1	1
47	Adult Finger Probes for pulse oximetry (reusable)	-	-	1	1

48	Pediatric Finger Probes for pulse Oximetry	-	-	1	1
49	Infant Finger Probes for pulse Oximetry	-	-	1	1
50	Jet Insufflation Ventilator for Needle Cricothyroidomy	-	-	1	1
51	CARDIOVASCULAR	BLS First Response	BLS Amb	ALS First Response	ALS Amb
52	Semi-automatic defibrillator	1	1	-	-
53	Semi-automatic defibrillator pads – Adult (disposable razors are recommended as optional stock)	1	1	-	-
54	Semi-automatic defibrillator pads - Pedi	1	1	-	-
55	Stethoscope	1	1	1	1
56	Blood Pressure Cuff - Adult	1	1	1	1
57	Blood Pressure Cuff - Obese or Thigh	-	1	1	1
58	Blood Pressure Cuff - Pedi	-	1	1	1
59	Blood Pressure Cuff - Infant	-	1	1	1
60	Portable Cardiac Monitor-Defibrillator w/ cables capable of monitoring, defibrillation, transcutaneous pacing, printing 12-lead EKG and electrical discharge < 25 joules	-	-	1	1
61	ECG recording paper, compatible with monitor	-	-	1	1
62	Multi-function defibrillation pads - Adult, compatible with monitor	-	-	1	2
63	Multi-function defibrillation pads - Pedi, compatible with monitor	-	-	1	1
64	BURNS / TRAUMA / WOUND CARE	BLS First Response	BLS Amb	ALS First Response	ALS Amb
65	Burn Sheets - Sterile (disposable type)	1	1	1	1
66	Saline Solution in 1000mL bags (for irrigation)	2	2	2	2
67	10 or 15 drop/mL administration set (for irrigation)	1	1	1	1
68	Quick Clot Combat Gauze, 50 gm pads	-	-	2	2
69	Sterile gauze pads 3" x 3," 25 per box	1	1	1	1
70	Sterile gauze pads 4" x 4," 12 per box	1	1	1	1

71	Nonsterile 4" x 4" gauze pads, 200 per box	1	1	1	1
72	Abdominal Dressing, 8" x 10" or 5"x9" or similar size	2	4	2	4
73	Trauma Dressings, 10" x 30" or larger	2	2	2	2
74	Stretch-style Sterile Gauze Rolls 4" or 5"	4	4	4	4
75	Petroleum Gauze Pads, 4" x 6" or 3" x 9" (or similar size)	4	4	4	4
76	Triangular Bandages	2	2	2	2
77	Cloth Tape 1," 2" and 3"	2 each size	2 each size	2 each size	2 each size
78	Combat Application Tourniquets or approved equivalent*	1	1	1	1
79	Elastic Bandages 3"	1	1	1	1
80	Band-aids 1," 36 strips	1	1	1	1
81	Instant Cold Packs (8 reserved for ROSC pts on ALS Ambs)	2	2	2	10
82	*Acceptable equivalent includes Combat Application Tourniquet, Emergency and Military Tourniquet, or Special Operations Forces Tactical Tourniquet				
83	IMMOBILIZATION / EXTRICATION	BLS First Response	BLS Amb	ALS First Response	ALS Amb
84	Spine Board	1	2	1	2
85	Lightweight head immobilizer blocks (set)	1	2	1	2
86	4 seatbelt type straps, 3 long/box straps, or 1 set of spider straps	1	2	1	2
87	Cervical Collars: Adult	2	2	2	2
88	Cervical Collars: Pedi	2	2	2	2
89	Extremity splint, cardboard or similar product, small 12 - 18"	2	2	2	2
90	Extremity splint, cardboard or similar product, medium 18 - 24"	1	1	2	2
91	Extremity splint, cardboard or similar product, large 24 -36"	2	2	2	2
92	Traction Splints : HARE, adult and pedi size OR	1 each size	1 each size	1 each size	1 each size
93	Traction Splints : Sager OR Equivalent	1	1	1	1
94	Kendrick Extrication Device (KED)	1	1	1	1
95	Pediatric Spinal Immobilization Device	1	1	1	1
96	Flat Stretcher	-	1	-	1
97	Patient Gurney with shoulder harness and limb belts	-	1	-	1

98	Stair chair (or feature that allows gurney to adjust to seated position)	-	1	-	1
99	Scoop Stretcher	-	1	-	1
100	Extremity Restraints - Wrist & Ankle	-	1	-	1
101	INFECTION CONTROL / CREW PPE	BLS First Response	BLS Amb	ALS First Response	ALS Amb
102	Disinfectant Solution or Spray	1	1	1	1
103	Disinfectant Wipes	-	1	-	1
104	Hand sanitizer	1	1	1	1
105	Long-sleeve impermeable gowns	-	1/crew member	-	1/crew member
106	Pair of heavy duty gloves	-	1/crew member	-	1/crew member
107	Safety glasses or goggles	-	1/crew member	-	1/crew member
108	Plastic trash bags	-	1	-	1
109	Infectious waste bags (red biohazard bags)	1	1	1	1
110	Spit socks or hoods	1	2	1	2
111	Helmet: OSHA approved "hard hat" or equivalent	-	1/crew member	-	1/crew member
112	N-95 Masks, in sizes for all crew members, 20/box	1	1	1	1
113	DuoDote Autoinjectors	3/crew member	3/crew member	3/crew member	3/crew member
114	Bag or case for holding 3 DuoDote Autoinjectors	1/crew member	1/crew member	1/crew member	1/crew member
115	Level C PPE Suit	-	1/crew member	-	1/crew member
116	PAPR (or SCBA with extra air cylinders) for each Level C Suit	-	1/crew member	-	1/crew member
117	PEDIATRIC	BLS First Response	BLS Amb	ALS First Response	ALS Amb
118	Pediatric Length-Based Resuscitation Tape	-	-	1	1
119	San Francisco Pediatric Dosage Chart			1	1
120	Stuffed toy for children	-	1	-	1

121	OBSTETRIC	BLS First Response	BLS Amb	ALS First Response	ALS Amb
122	Obstetrical Kit w/ umbilical cord clamps; receiving blanket; infant bunting blanket; infant warming cap; sterile scissors or scalpel; suction bulb; OB pad; plastic bag for placenta	1	1	1	1
123	MISCELLANEOUS	BLS First Response	BLS Amb	ALS First Response	ALS Amb
124	Digital Thermometer	1	1	1	1
125	Trauma Shears	1	1	1	1
126	Hydrogen Peroxide 3% solution 16 oz	2	2	2	2
127	Sterile Water 1000 ml bottles	2	2	2	2
128	Water soluble lubricant, small packets	10	10	10	10
129	Penlights	2	2	2	2
130	Cloth or Disposable Towels	-	4	-	4
131	Disposable Blankets	1	2	1	2
132	Wool blend blankets	1	1	1	1
133	PARS Check sheet (paper or electronic; signed by field crew)	1	1	1	1
134	Triage Tags (DMS type or equivalent) in addition to tags in the MCI kit	20	20	20	20
135	Sealable bags, gallon-size (e.g. Ziplock)	3	3	3	3
136	Emesis (Kidney) Basins or Bags	-	1	-	1
137	Urinal	-	1	-	1
138	Bedpan	-	1	-	1
139	Sharps Container	-	1	1	1
140	Flashlight with extra batteries or entire extra flashlight	1	1	1	1
141	Drinking water - 1 gallon	-	1	-	1
142	San Francisco County Map or GPS Device	-	1	-	1
143	San Francisco EMS Agency Protocol Manual (current version)	1	1	1	1
144	Pre-hospital Care Report (paper) OR	20	20	20	20

145	E-PCR device	1	1	1	1
146	Cooler or refrigerator capable of maintaining 4 one- liter IV bags of NS at constant temperature of 4 degrees Celsius (may substitute line #81 cold packs)	-	-	-	ALS Supervisor Vehicles and / or ALS Amb
147	Fire Extinguisher, B/C rated, dry chemical or CO2 w/ maintenance tag < 1 year	-	1	-	1
148	Flares	4	4	4	4
149	MEDICATIONS	BLS First Response	BLS Amb	ALS First Response	ALS Amb
150		<i>NOTE: The quantities (mg/gms) listed below only represent the total amount of a medication STOCK. It does NOT represent medication dosages. Refer to Treatment Protocols for medication dosages.</i>			
151	Activated Charcoal (Aqueous suspension)	-	-	50 gms	50 gms
152	Adenosine	-	-	30 mgs	30 mgs
153	Albuterol Unit Dose, 2.5mg/3mL solution	-	-	20 mgs	20 mgs
154	Amiodarone	-	-	600 mgs	600 mgs
155	Aspirin (chewable), 81mg tablet	-	-	1620 mgs (20 tabs)	1620 mgs (20 tabs)
156	Atropine Sulfate, 1mg/10mL preload	-	-	6 mgs	6 mgs
157	Atropine Sulfate, 8mg/20ml multi-dose vial	-	-	8 mgs	8 mgs
158	Calcium Chloride (10%), 1g/10mL	-	-	1 gm	1 gm
159	Dextrose 50%, 25 gm	-	-	75 gms	75 gms
160	Diphenhydramine IV	-	-	100 mgs	100 mgs
161	Dopamine 400mg premixed in 250mL D5W OR equivalent (Note: Supply 250 ml D5W in addition to Dopamine vials if you do not stock premix)	-	-	800 mg	800 mgs
162	Epinephrine 1:1,000, 1mg/1mL	-	-	6 mgs	6 mgs
163	Epinephrine 1:1,000, 1mg/1mL 30mL	-	-	30 mgs	30 mgs
164	Epinephrine 1:10,000, 1mg/10mL	-	-	4 mgs	4 mgs
165	Glucagon	-	-	1 mg	1 mg

166	Glucose Paste (approx 30g/tube)	2 tubes	2 tubes	2 tubes	2 tubes
167	Lidocaine 2% in 5 ml vial (for use w/ intraosseus insertion)			1	1
168	Magnesium Sulfate 50%, 5 g/10 mls	-	-	5 gms	5 gms
169	Midazolam	-	-	15 mgs	15 mgs
170	Morphine Sulfate IV	-	-	20 mgs	20 mgs
171	Naloxone IV	-	-	8 mgs	8 mgs
172	Nitroglycerine, 0.4mg/dose metered spray OR Nitroglycerine, 0.4mg/tablet	-	-	1	1
173		-	-	25 tabs	25 tabs
174	Ondansetron 4mg ODT OR	-	-	12 mgs	12mgs
175	Ondansetron 4mg/ 2 ml vial	-	-	12 mgs	12 mgs
176	Sodium Bicarbonate, 50 mEq/50 ml	-	-	100 mEq	100 mEq
177	IV SUPPLIES	BLS First Response	BLS Amb	ALS First Response	ALS Amb
178	Normal Saline 0.9% 1000 ml bag	-	-	4	4
179	D5W 100 ml bag	-	-	4	4
180	IV Administration Set 10 or 15 drops/mL (in addition to supply for irrigation)	-	-	4	4
181	IV Administration Set 60 drops/mL	-	-	2	2
182	(Optional) IV Extension Tubing	-	-	2	2
183	IV Catheter (Safety type), 14G	-	-	2	2
184	IV Catheter (Safety type), 16G	-	-	2	2
185	IV Catheter (Safety type), 18G	-	-	2	2
186	IV Catheter (Safety type), 20G	-	-	2	2
187	IV Catheter (Safety type), 22G	-	-	2	2
188	Syringes, 1mL	-	-	2 each	2 each
189	Syringes, 3mL	-	-	2 each	2 each
190	Syringes, 5 or 6mL	-	-	2 each	2 each
191	Syringes, 10 or 12mL	-	-	2 each	2 each
192	Syringes, 30 or 35mL	-	-	2 each	2 each

193	Needles (Safety type), 18G	-	-	2 each	2 each
194	Needles (Safety type), 20G	-	-	2 each	2 each
195	Needles (Safety type), 25G	-	-	2 each	2 each
196	3 way stopcock	-	-	2	2
197	Manual Intra-Osseous needle 16G OR	-	-	1	1
198	EZ-IO Needles, small, medium, & large (or other approve mechanical insertion needles) with	-	-	1	1
199	EZ-IO Driver (or other approved insertion device)	-	-	1	1
200	Pressure Bag Infuser	-	-	2	2
201	Alcohol prep pads or swabs	-	-	10	10
202	Provodone Iodine prep pads or swabs	-	-	10	10
203	Blood Glucose Monitor	-	-	1	1
204	Blood Glucose Monitor Test Strips	-	-	10	10
205	Lancets (safety type)	-	-	10	10
206	Mucosal Atomizing Device (MAD)	-	-	1	1
207	Needle Thoracostomy Kit (e.g. Cook Emergency Pneumothorax Set or equivalent)	-	-	1	1
208	MCI KIT	BLS First Response	BLS Amb	ALS First Response	ALS Amb
209	Bag or Case to hold MCI Equipment	-	1	-	1
210	Mylar Blankets (Space Blankets)	-	12	-	12
211	Bullhorn or Battery Powered Megaphone	-	1	-	1
212	Combat Application Tourniquets or approved equivalent*	-	4	-	4
213	Compression Bandage with ties (e.g. Bloodstopper Dressings)	-	7	-	7
214	Cone masks	-	50	-	50
215	Felt tip markers	-	2	-	2
216	Glasses or Goggles	-	2	-	2
217	Heavy Duty Gloves	-	2	-	2

218	Oral Airways, sizes 0, 1, 2, & 3	-	4	-	4
219	Oral Airways, sizes 4, 5, & 6	-	8	-	8
220	Pens	-	3	-	3
221	Pencils (pre-sharpened)	-	6	-	6
222	Pencil Sharpener	-	1	-	1
223	Ruled paper tablet	-	1	-	1
224	Trauma Shears	-	2	-	2
225	Triage Tags	-	50	-	50
226	Vests - Kelly Green or Blue: "EMT-1" or "EMT-P"	-	2	-	2
227	Vests - Orange: "Medical Group Supervisor"	-	1	-	1
228	Vests - Orange: "Medical Supply Officer"	-	1	-	1
229	Vests - Orange: "Staging Officer"	-	1	-	1
230	Vests - Orange: "Transport Officer"	-	1	-	1
231	Vests - Orange: "Treatment Officer"	-	1	-	1
232	Vests - Orange: "Triage Officer"	-	1	-	1
233	Worksheets/Board: Helicopter Operations	-	1	-	1
234	Worksheets/Board: Medical Branch Director	-	1	-	1
235	Worksheets/Board: Medical Group Supervisor	-	1	-	1
236	Worksheets/Board: Transport	-	1	-	1
237	Worksheets/Board: Treatment	-	1	-	1
238	<i>*Acceptable equivalent includes Combat Application Tourniquet, Emergency and Military Tourniquet, or Special Operations Forces Tactical Tourniquet</i>				