

SAN FRANCISCO EMERGENCY MEDICAL SERVICES AGENCY

Policy Reference No.: 4001
Effective: December 5, 2018
Supersedes: September 7, 2018

VEHICLE EQUIPMENT & SUPPLY LIST

I. PURPOSE

To establish consistent minimum equipment and supplies standards for Basic Life Support, Advanced Life Support vehicles and Mobile Assistance Teams (MAT) 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 Medical Response Vehicles 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. For subsequent permits, Ambulance Providers shall inspect each Medical Response Vehicles on an annual basis and submit an affidavit to the EMS Agency. The EMS Agency will randomly inspect Medical Response Vehicles for compliance throughout the annual permit cycle. Any Medical Response Vehicle not in compliance with the equipment standards policy shall be taken out of service until such compliance is met. Medical Response Vehicles must demonstrate compliance to the equipment standards in this policy to qualify for a permit. Specialty Vehicles will not be permitted but can be inspected for compliance by EMS Agency.
- C. All Medical Response Vehicles and MATs shall minimally stock the equipment and supplies as listed in the attachments 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. Medical Response Vehicles and MATs shall not stock any medications, or medical devices or equipment that is not approved by the EMS Agency Medical Director.
- E. Each ALS and BLS first response vehicle, ambulance and supervisory units, shall have an 800MHz radio in compliance with *Policy 3010 EMS Communications Equipment and Procedures* and have the ability to communicate with a Base Hospital Physician.

- F. Each permitted ambulance company provider shall have a “par-list” check out sheet (or electronic equivalent) for every Medical Response Vehicle that identifies the minimum supply and equipment stock required on each unit. Ambulance companies shall ensure each unit is inspected prior to deployment or at least once every 24-hour period to verify that the minimum level of equipment is present on the vehicle. An ambulance provider company employees shall attest to the completed inspection or electronic equivalent, by signing the par-list checkout sheet. The ambulance provider company shall maintain this record for six months.

III. DEFINITIONS

- A. Medical Response Vehicles** – Generic term for any Advanced Life Support (ALS) or Basic Life Support (BLS) Response vehicle that responds to a request for medical service. This includes, but is not limited to:
- BLS transport/non-transport unit (First Response)
 - ALS transport/non-transport unit (First Response)
- B. Supervisory Vehicle (QRV)** - Response vehicle, usually staffed by a Paramedic Supervisor providing field supervision and coordination for EMS field crews. This vehicle does not have the ability to transport patients.
- C. Quick-Response Vehicle (QRV)** - Response vehicle, usually staffed by a paramedic, that provide supplemental field response and patient care. This vehicle does not have the ability to transport patients.
- D. MAT (ALS or BLS)** - Generic term for mobile (roving) non-ambulance-based EMTs and/or Paramedics deployed at special events. MAT must be able to provide, AT MINIMUM, First Aid Care at an EMT level, and must have communication capability, by radio, cell phone, or other medium. Each MAT must carry at least one (1) Automatic External Defibrillator (AED) or cardiac monitor at all times. At least one (1) full MCI Kit, as referenced on Page 18-19, must be present at the event.
- Bike Team, Gator/Cart Team, Water-Based Team, etc.

IV. 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
San Francisco EMS Policy #7010

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VEHICLE EQUIPMENT SUPPLY LIST

Attachment 1: Minimum Equipment Requirements for First Response and Ambulances

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/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	2	2	2
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 Battery Operated	1	1	1	1
17	Rigid Pharyngeal Tonsil Tip (Yankauer Suction)	1	1	1	1
18	Suction Tubing	1	2	1	2
19	Pediatric Suction Bulb (sterile)	-	1	-	1
20	Suction Catheters 6, 8, 10, 12, & 14 Fr	-	-	1	1
21	Supra-Glottic Laryngeal Airway (King Tube), Adult, Sizes 3, 4 & 5	-	-	1	1
22	Supra-Glottic Laryngeal Airway (King Tube), Pedi/Infant, Size 2.0, 2.5	-	-	1	1
23	Uncuffed Endotracheal Tubes, 2.0, 2.5, 3.0	-	-	2	2
24	Meconium Aspirator	-	-	2	2
25	Cuffed Endotracheal Tubes, 6.0, 6.5, 7.0, 7.5, 8.0, & 8.5	-	-	2	2
26	ET Tube holder or ties	-	-	2	2
27	Laryngoscope Blades w/ extra bulbs, Miller Type: 0, 1, 2, 3, & 4	-	-	1	1
28	Laryngoscope Blades w/ extra bulbs, Macintosh Type: 1, 2, 3, & 4	-	-	1	1
29	(Optional) Video Laryngoscope Blades (Approved by EMSA), Adult and Child Sizes	-	-	1	1
30	Large Laryngoscope Handle	-	-	1	1

31	Small Laryngoscope Handle	-	-	1	1
32	Stylets: Adult (If not in ETT)	-	-	1	1
33	Magill Forceps, Adult	-	-	1	1
34	Magill Forceps, Pedi	-	-	1	1
35	Handheld Nebulizer (or Mask)	-	-	2	2
36	Needle Cricothyroidotomy Kit (WITHOUT scalpel)	-	-	1	1
37	CPAP Device able to deliver PEEP of 10 cm H2O, breathing circuits, masks	-	-	1	1
38	Electronic Capnography device (may be integrated in cardiac monitor)	-	-	1	1
39	Capnography filter line with adapter to connect to ET tube	-	-	1	1
40	ETCO2 monitoring cannula	-	-	2	2
41	Pulse Oximeter (may be integrated into cardiac monitor)	-	-	1	1
42	(Optional:) Carboxyhemoglobin Monitor (may be integrated into cardiac monitor)	-	-	1	1
43	Adult Finger Probes for pulse oximetry (reusable)	-	-	1	1
44	Pediatric Finger Probes for pulse Oximetry	-	-	1	1
45	Infant Finger Probes for pulse Oximetry	-	-	1	1
46	Jet Insufflation Ventilator for Needle Cricothyroidotomy	-	-	1	1
CARDIOVASCULAR		BLS First Response	BLS Amb	ALS First Response	ALS Amb
47	Semi-automatic defibrillator	1	1	-	-
48	Semi-automatic defibrillator pads – Adult (disposable razors are recommended as optional stock)	1	1	-	-
49	Semi-automatic defibrillator pads - Pedi	1	1	-	-
50	Stethoscope	1	1	1	1
51	Blood Pressure Cuff - Adult	1	1	1	1
52	Blood Pressure Cuff - Obese or Thigh	-	1	1	1
53	Blood Pressure Cuff - Pedi	-	1	1	1
54	Blood Pressure Cuff - Infant	-	1	1	1
Portable Cardiac Monitor-Defibrillator, w/ cables, capable of: 1. Monitoring, defibrillation, transcutaneous pacing, synchronized cardioversion, and electrical discharge < 25 joules; 2. Monitoring ETCO2, SpO2, and blood pressure with automatic cuff for all ages; 3. Printing, transmitting, and ability to send 12-lead EKGs to all STAR centers/EMS Agency on current EMS Agency platform;					

55	4. Providing integrated real time CPR feedback and view underlying rhythm during CPR compressions; 5. Monitor data file compatibility that can be submitted to current EMS Agency cardiac case review network for post case analysis and feedback; 6. Ability to operate in pediatric / neonate AED modes; 7. Interoperability with STAR hospital crash cart monitors; 8. Produce a code summary post incident.	-	-	1	1
56	ECG recording paper, compatible with monitor	-	-	1	1
57	Multi-function defibrillation pads - Adult, compatible with monitor with compression feedback puck	-	-	1	2
58	Multi-function defibrillation pads - Pedi, compatible with monitor with compression feedback puck	-	-	1	1
BURNS / TRAUMA / WOUND CARE		BLS First Response	BLS Amb	ALS First Response	ALS Amb
59	Burn Sheets - Sterile (disposable type)	1	1	1	1
60	Quick Clot Combat Gauze (No Size)	2	2	2	2
61	Sterile gauze pads 4" x 4," 12 per box	1	1	1 box	1 box
62	Nonsterile 4" x 4" gauze pads, 200 per box	1	1	1 box	1 box
63	Abdominal Dressing, 8" x 10" or 5"x9" or similar size	2	4	2	4
64	Trauma Dressings, 10" x 30" or larger	2	2	2	2
65	Stretch-style Sterile Gauze Rolls 4" or 5"	4	4	4	4
66	Petroleum Gauze Pads, 4" x 6" or 3" x 9" (or similar size)	4	4	4	4
67	Triangular Bandages	2	2	2	2
68	Cloth Tape 2"	3	3	3	3
69	Combat Application Tourniquets OR approved equivalent*	1	1	1	1
70	Elastic Bandages 3"	1	1	1	1
71	Band-Aids 1", 10 strips	1	1	1	1
72	Instant Cold Packs	2	2	2	6
73	<i>*Acceptable equivalent includes Combat Application Tourniquet, Emergency and Military Tourniquet, or Special Operations Forces Tactical Tourniquet</i>				
IMMOBILIZATION / EXTRICATION		BLS First Response	BLS Amb	ALS First Response	ALS Amb
74	Spine Board	1	1	1	1
75	Lightweight head immobilizer blocks (set)	1	1	1	1
76	4 seatbelt type straps, 3 long/box straps, or 1 set of spider straps	1	1	1	1
77	Cervical Collars: Adult	2	2	2	2

78	Cervical Collars: Pedi	2	2	2	2
79	Extremity splint, cardboard or similar product, small 12 - 18"	2	2	2	2
80	Extremity splint, cardboard or similar product, medium 18 - 24"	1	1	2	2
81	Extremity splint, cardboard or similar product, large 24 -36"	2	2	2	2
82	Traction Splints: Sager or HARE, adult and pedi size	1 each size	1 each size	1 each size	1 each size
83	Kendrick Extrication Device (KED)	1	1	1	1
84	Pediatric Spinal Immobilization Device	1	1	1	1
85	"Breakaway" OR "Flat" Stretcher	-	1	-	1
86	Stair chair (OR feature that allows gurney to adjust to seated position)	-	1	-	1
87	Patient Gurney with shoulder harness and limb belts	-	1	-	1
88	(OPTIONAL:) Scoop Stretcher	-	1	-	1
89	Extremity Restraints - Wrist & Ankle	-	1	-	1
INFECTION CONTROL / CREW PPE		BLS First Response	BLS Amb	ALS First Response	ALS Amb
90	Disinfectant Solution or Spray	1	1	1	1
91	Disinfectant Wipes	-	1	-	1
92	Hand sanitizer	1	1	1	1
93	Long-sleeve impermeable gowns	-	1/crew member	-	1/crew member
94	Pair of heavy duty gloves	-	1/crew member	-	1/crew member
95	Safety glasses or goggles	-	1/crew member	-	1/crew member
96	Plastic trash bags	-	1	-	1
97	Infectious waste bags (red biohazard bags)	1	1	1	1
98	Spit socks or hoods	1	2	1	2
99	Helmet: OSHA approved "hard hat" or equivalent	-	1/crew member	-	1/crew member
100	N-95 Masks, in sizes for all crew members	5	5	5	5
101	P100 Masks, as Required for Interventions	-	-	2	2
102	On Supervisor Rig, ONLY (if available): DuoDote Autoinjectors	18	18	18	18
103	On Supervisor Rig, ONLY: Level C PPE Suit	-	2	-	2
104	On Supervisor Rig, ONLY: PAPR (OR SCBA with extra air cylinders) for each Level C Suit	-	2	-	2
PEDIATRIC		BLS First Response	BLS Amb	ALS First Response	ALS Amb
105	Pediatric Length-Based Resuscitation Tape	1	1	1	1
106	Stuffed toy for children	-	1	-	1

OBSTETRIC		BLS First Response	BLS Amb	ALS First Response	ALS Amb
107	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
MISCELLANEOUS		BLS First Response	BLS Amb	ALS First Response	ALS Amb
108	Digital Thermometer	1	1	1	1
109	Trauma Shears	1	1	1	1
110	Water soluble lubricant, small packets	10	10	10	10
111	Penlights	2	2	2	2
112	1 Roll of Paper Towels, OR Equivalent of Disposable Towels	-	1	-	1
113	Disposable Blankets	1	2	1	2
114	Wool blend blankets	1	1	1	1
115	Chemical Heating Blanket (Ready-Heat Blanket or equivalent)	-	1	-	1
116	Sealable bags, gallon-size (e.g. Ziploc)	3	3	3	3
117	Emesis (Kidney) Basins or Bags	-	1	-	1
118	Urinal	-	1	-	1
119	Bedpan	-	1	-	1
120	Sharps Container	-	1	1	1
121	Flashlight with extra batteries or entire extra flashlight	1	1	1	1
122	Drinking water - 1 gallon	-	1	-	1
123	San Francisco County Map or GPS Device	-	1	-	1
124	San Francisco EMS Agency Protocol Manual, current version on Paper or Electronic Format (e.g. Protocol App on Mobile Device)	1	1	1	1
125	Pre-hospital Care Report (paper) OR 1 E-PCR Device	20	20	20	20
126	Fire Extinguisher, A/B/C rated, w/maintenance tag < 1 year	-	1	-	1
127	Road Flares	4	4	4	4
128	Fully Functional Automatic Vehicle Locator (AVL) Compatible with SF Department of Emergency Communications (DEC)	1	1	1	1
MEDICATIONS		BLS First Response	BLS Amb	ALS First Response	ALS Amb
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.					

129	Activated Charcoal (Aqueous suspension)	-	-	50 gms	50 gms
130	Adenosine	-	-	18 mgs	18 mgs
131	Albuterol Unit Dose, 2.5mg/3mL solution	-	-	20 mgs	20 mgs
132	Amiodarone	-	-	600 mgs	600 mgs
133	Aspirin (chewable), 81mg tablet	1620 mgs (20 tabs)	1620 mgs (20 tabs)	1620 mgs (20 tabs)	1620 mgs (20 tabs)
134	Atropine Sulfate, 1mg/10mL preload	-	-	3 mgs	3 mgs
135	Atropine Sulfate, 8mg/20ml multi-dose vial	-	-	8 mgs	8 mgs
136	Calcium Chloride (10%), 1g/10mL	-	-	1 gm	1 gm
137	Dextrose 10%, 25 gm premixed solution in 250mL bag	-	-	50 gms	50 gms
138	Diphenhydramine IV	-	-	100 mgs	100 mgs
139	Dopamine 400mg premixed in 250mL D5W OR equivalent <i>(NOTE : Supply 250 ml D5W in addition to Dopamine vials if you do not stock premix)</i>	-	-	800 mg	800 mgs
140	Epinephrine 1:1,000, 1mg/1mL	-	-	6 mgs	6 mgs
141	Epinephrine 1:10,000, 1mg/10mL	-	-	4 mgs	4 mgs
142	<i>(optional for EMTs)</i> Adult epinephrine auto-injector	prefilled dose	prefilled dose	-	-
143	<i>(optional for EMTs)</i> Pediatric epinephrine auto-injector	prefilled dose	prefilled dose	-	-
144	Fentanyl (or Morphine Sulfate) <i>(Fentanyl OR Morphine is to be stocked per ambulance)</i>	-	-	200 mcg	200 mcg
145	Glucagon	-	-	1 mg	1 mg
146	Glucose Paste (approx. 30g/tube)	2 tubes	2 tubes	2 tubes	2 tubes
147	Ibuprofen (200 mg tablets)	-	-	2,000 mg (10 tabs)	2,000 mg (10 tabs)
148	Ibuprofen Liquid (100 mg/5mL)	-	-	120 mL	120 mL
149	Ketorolac	-	-	30 mg	30 mg
150	Lidocaine 2% in 5 ml vial (for use w/ intraosseous insertion)	-	-	1	1
151	Magnesium Sulfate 50%, 1 g/2 ml	-	-	4 gms	4 gms
152	Midazolam	-	-	10 mgs	10 mgs
153	Morphine Sulfate IV (or Fentanyl) <i>(Fentanyl OR Morphine is to be stocked per ambulance)</i>	-	-	20 mgs	20 mgs
154	Naloxone IV	-	-	4 mgs	4 mgs
155	Nitroglycerine, 0.4mg/dose metered spray OR Tablets (see Line#156)	-	-	1	1
156	Nitroglycerine, 0.4mg/tablet	-	-	25 tabs	25 tabs

157	Ondansetron 4mg ODT OR 4mg/2ml vial	-	-	12 mgs	12mgs
158	Sodium Bicarbonate, 50 mEq/50 ml	-	-	100 mEq	100 mEq
159	Sterile Water for Injection, 20 ml vials	-	-	2 vials	2 vials
IV SUPPLIES		BLS First Response	BLS Amb	ALS First Response	ALS Amb
160	Normal Saline 0.9% 1000 ml bag	-	-	4	4
161	D5W 100 ml bag	-	-	2	2
162	IV Administration Set 10 or 15 drops/mL	-	-	4	4
163	IV Administration Set 60 drops/mL	-	-	2	2
164	(Optional) IV Extension Tubing	-	-	2	2
165	IV Catheter (Safety type), 14G	-	-	2	2
166	IV Catheter (Safety type), 16G	-	-	2	2
167	IV Catheter (Safety type), 18G	-	-	2	2
168	IV Catheter (Safety type), 20G	-	-	2	2
169	IV Catheter (Safety type), 22G	-	-	2	2
170	Syringes, 1mL	-	-	2	2
171	Syringes, 3mL	-	-	2	2
172	Syringes, 5 or 6mL	-	-	2	2
173	Syringes, 10 or 12mL	-	-	2	2
174	Syringes, 30 or 35mL	-	-	2	2
175	Needles (Safety type), 18G, 20/21G, 25G (OR equivalent)	-	-	2 each	2 each
176	3-way stopcock	-	-	2	2
177	Manual Intra-Osseous needle 16G OR Line #178 and #179	-	-	1	1
178	EZ-IO Needles, small, medium, & large (or other approved mechanical insertion needles) with	-	-	1	1
179	EZ-IO Driver (or other approved insertion device)	-	-	1	1
180	Pressure Bag Infuser	-	-	1	1
181	Alcohol prep pads or swabs	-	-	10	10
182	Povidone Iodine prep pads or swabs	-	-	10	10
183	Blood Glucose Monitor	-	-	1	1
184	Blood Glucose Monitor Test Strips	-	-	10	10
185	Lancets (safety type)	-	-	10	10
186	Mucosal Atomizing Device (MAD)	-	-	1	1

187	Needle Thoracostomy Kit (e.g. Cook Emergency Pneumothorax Set or equivalent)	-	-	1	1
MCI KIT		BLS First Response	BLS Amb	ALS First Response	ALS Amb
188	Bag or Case to hold MCI Equipment	1	1	1	1
189	Mylar Blankets (Space Blankets)	12	12	12	12
190	Bullhorn, Battery Powered Megaphone, or Vehicle Public Address System	1	1	1	1
191	Combat Application Tourniquets or approved equivalent*	7	7	7	7
192	Compression Bandage with ties (e.g. Bloodstopper Dressings)	7	7	7	7
193	Cone masks	50	50	50	50
194	Felt tip markers	2	2	2	2
195	Glasses or Goggles	2	2	2	2
196	Heavy Duty Gloves	2	2	2	2
197	Oral Airways, sizes 0, 1, 2, & 3	1	1	1	1
198	Oral Airways, sizes 4, 5, & 6	2	2	2	2
199	Pens	3	3	3	3
200	Ruled paper tablet	1	1	1	1
201	Trauma Shears	2	2	2	2
202	Triage Tags	50	50	50	50
203	Vests - Kelly Green or Blue: "EMT-1" or "EMT-P"	2	2	2	2
204	Worksheets/Board: Helicopter Operations	1	1	1	1
205	Worksheets/Board: Medical Branch Director	1	1	1	1
206	Worksheets/Board: Medical Group Supervisor	1	1	1	1
207	Worksheets/Board: Transport	1	1	1	1
208	Worksheets/Board: Treatment	1	1	1	1
209	Clipboard	2	2	2	2
*Acceptable equivalent includes Combat Application Tourniquet, Emergency and Military Tourniquet, or Special Operations Forces Tactical Tourniquet					

Attachment 2: Minimum Equipment Requirements for Specialty Vehicles

Line #	AIRWAY / RESPIRATORY	BLS Foot/Bike/Cart	ALS Foot/Bike	ALS Gator/Cart	ALS Supervisor	QRV
1	M, or H oxygen cylinder	-	-	-	-	-
2	Oxygen Flowmeter capable of delivering 2-15 LPM	-	-	-	-	-

3	D or E size oxygen cylinders	0	0	1	1	1
4	A size oxygen cylinder (D or E size acceptable)	1	1	0	0	0
5	Regulators for D/E Oxygen Cylinders capable of delivering 2-15 LPM	1	1	1	1	1
6	Nasal Cannulas - Adult	1	1	2	1	1
7	Nasal Cannulas - Pedi	-	-	1	1	1
8	Simple Oxygen Masks - Infant	-	-	-	1	1
9	Non-Rebreather Masks - Adult	1	1	1	1	1
10	Non-Rebreather Masks - Pedi	1	1	1	1	1
11	Bag Valve Masks - Adult	1	1	1	1	1
12	Bag Valve Masks - Pedi	-	-	1	1	1
13	Bag Valve Masks - Infant	-	-	1	1	1
14	Oral Airway, Set, with sizes 0, 1, 2, 3, 4, 5, & 6	1	1	1	1	1
15	Nasal Pharyngeal Airways Set of sizes 26, 28, 30, 32, & 34 Fr	1	1	1	1	1
16	Tongue Depressors	-	-	2	1	1
17	Portable Suction Device - Manual Pump Type OR Battery Operated	-	-	1	1	1
18	Rigid Pharyngeal Tonsil Tip (Yankauer Suction)	-	-	1	1	1
19	Suction Tubing	-	-	1	1	1
20	Pediatric Suction Bulb (sterile)	-	-	-	1	1
21	Suction Catheters 6, 8, 10, 12, & 14 Fr	-	-	1	1	1
22	Supra-Glottic Laryngeal Airway (King Tube), Adult Sizes 3, 4 & 5	-	1	1	1	1
23	Supra-Glottic Laryngeal Airway (King Tube), Pedi/Infant, Sizes 2.0, 2.5	-	-	1	1	1
24	Uncuffed Endotracheal Tubes, 2.0, 2.5, 3.0	-	-	1	1	1
25	Meconium Aspirator	-	-	1	1	1
26	Cuffed Endotracheal Tubes, 6.0, 6.5, 7.0, 7.5, 8.0, & 8.5	-	-	2	1	1
27	ET Tube holder or ties	-	-	2	1	1
28	Laryngoscope Blades w/ extra bulbs, Miller Type: 0, 1, 2, 3, & 4	-	-	1	1	1
29	Laryngoscope Blades w/ extra bulbs, Macintosh Type: 1, 2, 3, & 4	-	1&4 only	1	1	1
30	(Optional:) Video Laryngoscope Blades (Approved by EMSA), Adult and Child Sizes	-	-	1	1	1
31	Large Laryngoscope Handle	-	1	1	1	1
32	Small Laryngoscope Handle	-	-	1	1	1
33	Stylets: Adult (If not in ETT)	-	-	1	1	1
34	Magill Forceps, Adult	-	1	1	1	1
35	Magill Forceps, Pedi	-	-	1	1	1

36	Handheld Nebulizer	-	-	2	1	1
37	Needle Cricothyroidotomy Kit (WITHOUT scalpel)	-	-	1	1	1
38	CPAP Device able to deliver PEEP of 10 cm H2O, breathing circuits, masks	-	-	1	1	1
39	Electronic Capnography device (may be integrated in cardiac monitor)	-	-	1	1	1
40	Capnography filter line with adapter to connect to ET tube	-	-	1	1	1
41	ETCO2 monitoring cannula	-	-	2	2	2
42	Pulse Oximeter (may be integrated into cardiac monitor)	-	-	1	1	1
43	(Optional:) Carboxyhemoglobin Monitor (may be integrated into cardiac monitor)	-	-	1	1	1
44	Adult Finger Probes for pulse oximetry (reusable)	-	-	1	1	1
45	Pediatric Finger Probes for pulse Oximetry	-	-	1	1	1
46	Infant Finger Probes for pulse Oximetry	-	-	1	1	1
47	Jet Insufflation Ventilator for Needle Cricothyroidotomy	-	-	1	1	1
CARDIOVASCULAR		BLS	ALS	ALS	ALS	QRV
		Foot/Bike/Cart	Foot/Bike	Gator/Cart	Supervisor	
48	Semi-automatic defibrillator	1	1	-	-	-
49	Semi-automatic defibrillator pads – Adult (disposable razors are recommended as optional stock)	1	1	-	-	-
50	Semi-automatic defibrillator pads - Pedi	1	1	-	-	-
51	Stethoscope	1	1	1	1	1
52	Blood Pressure Cuff - Adult	1	1	1	1	1
53	Blood Pressure Cuff - Obese or Thigh	-	-	1	1	1
54	Blood Pressure Cuff - Pedi	-	-	1	1	1
55	Blood Pressure Cuff - Infant	-	-	1	1	1
56	Portable Cardiac Monitor-Defibrillator, w/ cables, capable of: 1. Monitoring, defibrillation, transcutaneous pacing, synchronized cardioversion, and electrical discharge < 25 joules; 2. Monitoring ETCO2, SpO2, and blood pressure with automatic cuff for all ages; 3. Printing, transmitting, and ability to send 12-lead EKGs to all STAR centers/EMS Agency on current EMS Agency platform; 4. Providing integrated real time CPR feedback and view underlying rhythm during CPR compressions; 5. Monitor data file compatibility that can be submitted to current EMS Agency cardiac case review network for post case analysis and feedback; 6. Ability to operate in pediatric / neonate AED modes;	-	-	1	1	1

	7. Interoperability with STAR hospital crash cart monitors; 8. Produce a code summary post incident.					
57	ECG recording paper, compatible with monitor	-	-	1	1	1
58	Multi-function defibrillation pads - Adult, compatible with monitor with compression feedback puck	-	-	1	1	1
59	Multi-function defibrillation pads - Pedi, compatible with monitor with compression feedback puck	-	-	1	1	1
BURNS / TRAUMA / WOUND CARE		BLS Foot/Bike/Cart	ALS Foot/Bike	ALS Gator/Cart	ALS Supervisor	QRV
60	Burn Sheets - Sterile (disposable type)	-	-	1	1	1
61	Quick Clot Combat Gauze (No Size)	2	2	2	2	2
62	Sterile gauze pads 4" x 4," 12 per box	5	5	1 box	1 box	1 box
63	Nonsterile 4" x 4" gauze pads, 200 per box	-	-	1 box	1 box	1 box
64	Abdominal Dressing, 8" x 10" or 5"x9" or similar size	2	2	2	4	4
65	Trauma Dressings, 10" x 30" or larger	-	-	2	2	2
66	Stretch-style Sterile Gauze Rolls 4" or 5"	2	2	4	2	2
67	Petroleum Gauze Pads, 4" x 6" or 3" x 9" (or similar size)	1	1	4	2	2
68	Triangular Bandages	2	2	2	2	2
69	Cloth Tape 2"	1	1	3	1	1
70	Combat Application Tourniquets OR approved equivalent*	1	1	1	2	2
71	Elastic Bandages 3"	-	-	1	1	1
72	Band-Aids 1", 10 strips	1	1	1	1	1
73	Instant Cold Packs	3	3	2	6	6
<i>*Acceptable equivalent includes Combat Application Tourniquet, Emergency and Military Tourniquet, or Special Operations Forces Tactical Tourniquet</i>						
IMMOBILIZATION/EXTRICATION		BLS Foot/Bike/Cart	ALS Foot/Bike	ALS Gator/Cart	ALS Supervisor	QRV
74	Spine Board	-	-	1	1	1
75	Lightweight head immobilizer blocks (set)	-	-	1	1	1
76	4 seatbelt type straps, 3 long/box straps, or 1 set of spider straps	-	-	1	1	1
77	Cervical Collars: Adult	1	1	2	2	2
78	Cervical Collars: Pedi	-	-	2	2	2
79	Extremity splint, cardboard or similar product, small 12 - 18"	1	1	2	2	2
80	Extremity splint, cardboard or similar product, medium 18 - 24"	-	-	2	2	2

81	Extremity splint, cardboard or similar product, large 24 -36"	-	-	2	2	2
82	Traction Splints: Sager or HARE, adult and pedi size	-	-	1 each size	1 each size	1 each size
83	Kendrick Extrication Device (KED)	-	-	1	-	-
84	Pediatric Spinal Immobilization Device	-	-	1	1	1
85	"Breakaway" OR "Flat" Stretcher	-	-	-	-	-
86	Patient Gurney with shoulder harness and limb belts	-	-	-	-	-
87	Stair chair (OR feature that allows gurney to adjust to seated position)	-	-	-	-	-
88	(OPTIONAL:) Scoop Stretcher	-	-	-	1	1
89	Extremity Restraints - Wrist & Ankle	-	-	-	1	1
INFECTION CONTROL / CREW PPE		BLS	ALS	ALS	ALS	QRV
		Foot/Bike/Cart	Foot/Bike	Gator/Cart	Supervisor	
90	Disinfectant Solution or Spray	-	-	1	1	1
91	Disinfectant Wipes	5	5	-	1	1
92	Hand sanitizer	1	1	1	1	1
93	Long-sleeve impermeable gowns	-	-	-	1/crew member	1/crew member
94	Pair of heavy duty gloves	-	-	-	1/crew member	1/crew member
95	Safety glasses or goggles	-	-	-	1/crew member	1/crew member
96	Plastic trash bags	-	-	-	1	1
97	Infectious waste bags (red biohazard bags)	3	3	1	1	1
98	Spit socks or hoods	-	-	1	1	1
99	Helmet: OSHA approved "hard hat" or equivalent	-	-	-	1/crew member	1/crew member
100	N-95 Masks, in sizes for all crew members	-	-	2	2	2
101	P100 Masks, as Required for Interventions	2	2	2	2	2
102	On Supervisor Rig, ONLY (if available): DuoDote Autoinjectors	-	-	-	10	10
103	On Supervisor Rig, ONLY: Level C PPE Suit	-	-	-	2	2
104	On Supervisor Rig, ONLY: PAPR (OR SCBA with extra air cylinders) for each Level C Suit	-	-	-	2	2
PEDIATRIC		BLS	ALS	ALS	ALS	QRV
		Foot/Bike/Cart	Foot/Bike	Gator/Cart	Supervisor	
105	Pediatric Length-Based Resuscitation Tape	-	-	1	1	1

106	Stuffed toy for children	-	-	-	1	1
OBSTETRIC		BLS Foot/Bike/Cart	ALS Foot/Bike	ALS Gator/Cart	ALS Supervisor	QRV
107	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
MISCELLANEOUS		BLS Foot/Bike/Cart	ALS Foot/Bike	ALS Gator/Cart	ALS Supervisor	QRV
108	Digital Thermometer	-	0	0	1	1
109	Trauma Shears	1	1	1	1	1
110	Water soluble lubricant, small packets	4	4	10	10	10
111	Penlights	1	1	1	1	1
112	1 Roll of Paper Towels, OR Equivalent of Disposable Towels	-	-	-	1	1
113	Disposable Blankets	-	-	1	1	1
114	Wool blend blankets	-	-	1	1	1
115	Chemical Heating Blanket (Ready-Heat Blanket or equivalent)	-	-	-	1	1
116	Sealable bags, gallon-size (e.g. Ziploc)	-	-	3	3	3
117	Emesis (Kidney) Basins or Bags	-	-	-	1	1
118	Urinal	-	-	-	-	-
119	Bedpan	-	-	-	-	-
120	Sharps Container	-	1	1	1	1
121	Flashlight with extra batteries or entire extra flashlight	1	1	1	1	1
122	Drinking water - 1 gallon	-	-	-	1	1
123	San Francisco County Map or GPS Device	-	-	-	1	1
124	San Francisco EMS Agency Protocol Manual, current version on Paper or Electronic Format (e.g. Protocol App on Mobile Device)	-	-	1	1	1
125	Pre-hospital Care Report (paper) OR 1 E-PCR Device	3	3	5	5	5
126	Fire Extinguisher, A/B/C rated, w/maintenance tag < 1 year	-	-	-	1	1
127	Road Flares	-	-	4	4	4
128	Fully Functional Automatic Vehicle Locator (AVL) Compatible with SF Department of Emergency Communications (DEC)	-	-	-	1	1
MEDICATIONS		BLS Foot/Bike/Cart	ALS Foot/Bike	ALS Gator/Cart	ALS Supervisor	QRV

NOTE: 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.						
129	Activated Charcoal (Aqueous suspension)	-	-	50 gms	50 gms	50 gms
130	Adenosine	-	18 mgs	18 mgs	18 mgs	18 mgs
131	Albuterol Unit Dose, 2.5mg/3mL solution	-	10 mgs	20 mgs	20 mgs	20 mgs
132	Amiodarone	-	450 mgs	600 mgs	600 mgs	600 mgs
133	Aspirin (chewable), 81mg tablet	1620 mgs (20 tabs)	1620 mgs (20 tabs)	1620 mgs (20 tabs)	1620 mgs (20 tabs)	1620 mgs (20 tabs)
134	Atropine Sulfate, 1mg/10mL preload	-	2 mgs	3 mgs	3 mgs	3 mgs
135	Atropine Sulfate, 8mg/20ml multi-dose vial	-	-	8 mgs	8 mgs	8 mgs
136	Calcium Chloride (10%), 1g/10mL	-	-	1 gm	1 gm	1 gm
137	Dextrose 10%, 25 gm premixed solution in 250 mL bag	-	25 gms	50 gms	50 gms	50 gms
138	Diphenhydramine IV	-	50 mgs	100 mgs	100 mgs	100 mgs
139	Dopamine 400mg premixed in 250mL D5W OR equivalent <i>(NOTE : Supply 250 ml D5W in addition to Dopamine vials if you do not stock premix)</i>	-	-	800 mg	800 mgs	800 mgs
140	Epinephrine 1:1,000, 1mg/1mL	-	3	6 mgs	6 mgs	6 mgs
141	Epinephrine 1:10,000, 1mg/10mL	-	3	4 mgs	4 mgs	4 mgs
142	<i>(optional for EMTs)</i> Adult epinephrine auto-injector	-	-	-	-	-
143	<i>(optional for EMTs)</i> Pediatric epinephrine auto-injector	-	-	-	-	-
144	Fentanyl (or Morphine Sulfate) <i>(Fentanyl OR Morphine is to be stocked per ambulance)</i>	-	200 mcg	200 mcg	200 mcg	200 mcg
145	Glucagon	-	1 mg	1 mg	1 mg	1 mg
146	Glucose Paste (approx. 30g/tube)	2 tubes	2 tubes	2 tubes	2 tubes	2 tubes
147	Ibuprofen (200 mg tablets)	-	-	2,000 mg (10 tabs)	2,000 mg (10 tabs)	2,000 mg (10 tabs)
148	Ibuprofen Liquid (100 mg/5 mL)	-	-	120 mL	120 mL	120 mL
149	Ketorolac	-	-	30 mg	30 mg	30 mg
150	Lidocaine 2% in 5 ml vial (for use w/ intraosseous insertion)	-	-	1	1	1
151	Magnesium Sulfate 50%, 1 g/2 ml	-	-	4 gms	4 gms	4 gms
152	Midazolam	-	10 mgs	10 mgs	10 mgs	10 mgs
153	Morphine Sulfate IV (or Fentanyl) <i>(Fentanyl OR Morphine is to be stocked per ambulance)</i>	-	20 mgs	20 mgs	20 mgs	20 mgs
154	Naloxone IV	-	4 mgs	4 mgs	4 mgs	4 mgs

155	Nitroglycerine, 0.4mg/dose metered spray OR Tablets (see Line#156)	-	1 bottle	1 bottle	1 bottle	1 bottle
156	Nitroglycerine, 0.4mg/tablet	-	25 tabs	25 tabs	25 tabs	25 tabs
157	Ondansetron 4mg ODT OR 4mg/2ml vial	-	8 mgs	12 mgs	12 mgs	12 mgs
158	Sodium Bicarbonate, 50 mEq/50 ml	-	-	100 mEq	100 mEq	100 mEq
159	Sterile Water for Injection, 20 ml vials	-	-	2 vials	2 vials	2 vials
IV SUPPLIES		BLS	ALS	ALS	ALS	QRV
		Foot/Bike/Cart	Foot/Bike	Gator/Cart	Supervisor	
160	Normal Saline 0.9% 1000 ml bag	-	1	2	2	2
161	D5W 100 ml bag	-	1	1	1	1
162	IV Administration Set 10 or 15 drops/mL	-	1	2	2	2
163	IV Administration Set 60 drops/mL	-	1	1	1	1
164	(Optional) IV Extension Tubing	-	2	2	2	2
165	IV Catheter (Safety type), 14G	-	1	2	2	2
166	IV Catheter (Safety type), 16G	-	1	2	2	2
167	IV Catheter (Safety type), 18G	-	2	2	2	2
168	IV Catheter (Safety type), 20G	-	2	2	2	2
169	IV Catheter (Safety type), 22G	-	2	2	2	2
170	Syringes, 1mL	-	2	2	2	2
171	Syringes, 3mL	-	2	2	2	2
172	Syringes, 5 or 6mL	-	2	2	2	2
173	Syringes, 10 or 12mL	-	2	2	2	2
174	Syringes, 30 or 35mL	-	-	2	2	2
175	Needles (Safety type), 18G, 20/21G, 25G (OR equivalent)	-	2 each	2 each	2 each	2 each
176	3-way stopcock	-	1	2	2	2
177	Manual Intra-Osseous needle 16G OR Line# 178 and #179	-	-	1	1	1
178	EZ-IO Needles, small, medium, & large (or other approved mechanical insertion needles) with	-	-	1	1	1
179	EZ-IO Driver (or other approved insertion device)	-	-	1	1	1
180	Pressure Bag Infuser	-	-	1	1	1
181	Alcohol prep pads or swabs	-	6	10	10	10
182	Povidone Iodine prep pads or swabs	-	6	10	10	10
183	Blood Glucose Monitor	-	1	1	1	1
184	Blood Glucose Monitor Test Strips	-	10	10	10	10
185	Lancets (safety type)	-	10	10	10	10

186	Mucosal Atomizing Device (MAD)	-	1	1	1	1
187	Needle Thoracostomy Kit (e.g. Cook Emergency Pneumothorax Set or equivalent)	-	1	1	1	1
MCI KIT		BLS Foot/Bike/Cart	ALS Foot/Bike	ALS Gator/Cart	ALS Supervisor	QRV
188	Bag or Case to hold MCI Equipment	-	-	-	1	1
189	Mylar Blankets (Space Blankets)	-	-	-	12	12
190	Bullhorn, Battery Powered Megaphone, or Vehicle Public Address System	-	-	-	1	1
191	Combat Application Tourniquets or approved equivalent*	-	-	-	7	7
192	Compression Bandage with ties (e.g. Bloodstopper Dressings)	-	-	-	7	7
193	Cone masks	-	-	-	50	50
194	Felt tip markers	-	-	-	2	2
195	Glasses or Goggles	-	-	-	2	2
196	Heavy Duty Gloves	-	-	-	2	2
197	Oral Airways, sizes 0, 1, 2, & 3	-	-	-	4	4
198	Oral Airways, sizes 4, 5, & 6	-	-	-	8	8
199	Pens	-	-	-	3	3
200	Pencils (pre-sharpened)	-	-	-	6	6
201	Pencil Sharpener	-	-	-	1	1
202	Ruled paper tablet	-	-	-	1	1
203	Trauma Shears	-	-	-	2	2
204	Triage Tags	-	-	-	50	50
205	Vests - Kelly Green or Blue: "EMT-1" or "EMT-P"	-	-	-	2	2
206	Vests - Orange: "Medical Group Supervisor"	-	-	-	1	1
207	Vests - Orange: "Medical Supply Officer"	-	-	-	1	1
208	Vests - Orange: "Staging Officer"	-	-	-	1	1
209	Vests - Orange: "Transport Officer"	-	-	-	1	1
210	Vests - Orange: "Treatment Officer"	-	-	-	1	1
211	Vests - Orange: "Triage Officer"	-	-	-	1	1
212	Worksheets/Board: Helicopter Operations	-	-	-	1	1
213	Worksheets/Board: Medical Branch Director	-	-	-	1	1
214	Worksheets/Board: Medical Group Supervisor	-	-	-	1	1
215	Worksheets/Board: Transport	-	-	-	1	1
216	Worksheets/Board: Treatment	-	-	-	1	1

217	Clipboard	-	-	-	2	2
<p><i>*Acceptable equivalent includes Combat Application Tourniquet, Emergency and Military Tourniquet, or Special Operations Forces Tactical Tourniquet</i></p>						