

SAN FRANCISCO EMERGENCY MEDICAL SERVICES AGENCY

Policy Reference No.: 4001
Effective: September 7, 2018
Supersedes: November 1, 2017

VEHICLE EQUIPMENT & SUPPLY LIST

I. PURPOSE

To establish consistent minimum equipment and supplies standards for Basic Life Support and 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, then annually thereafter. Medical Response Vehicles must demonstrate compliance to the equipment standards in this policy to qualify for a permit.
- 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. Every 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*.
- E. Every BLS and ALS mobile team (foot, bicycle, gator, etc.), ALS units, and field supervisor units shall have the appropriate medical supplies and equipment to provide patient care.
- F. Medical Response Vehicles and MATs shall not stock any medications, or medical devices or equipment that is not approved, in advance, by the EMS Agency Medical Director.

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

III. DEFINITIONS

- A. **Medical Response Vehicles** are any Advanced Life Support (ALS) or Basic Life Support (BLS) Response vehicle that responds to a request for medical service, or witnesses an incident where medical necessity is identified. These include, but are not limited to BLS transport/non-transport unit (First Response), ALS transport/non-transport unit (First Response), Mobile Assistance Team (MAT) which can be staffed as a Foot Team, Bike Team, Gator/Cart Team, Water-Based Team, etc.
- B. **ALS Ambulance** is a San Francisco permitted Ambulance staffed by at least one (1) Paramedic and one (1) EMT or two (2) Paramedics and may provide medical care and transport patients to approved receiving facilities.
- C. **ALS First Response** is any response vehicle or team that is staffed by at least one (1) Paramedic with supplies necessary to triage, stabilize, maintain, and transfer care of an ALS medical patient. These include, but are not limited to, ALS-staffed Fire Engines/Trucks, MAT, etc.
- D. **ALS Supervisory** is a response vehicle, usually staffed by a Paramedic Supervisor, which has the capability to provide ALS care to a patient, or provide on scene resources or additional scene coordination assistance. ALS Supervisors do not have the ability to transport patients.
- E. **BLS Ambulance** is an Ambulance staffed by two (2) EMTs or Paramedics working at a BLS level. BLS Units, in accordance with the City of San Francisco Ambulance Ordinance, may not transport the ill or injured from a venue to a receiving hospital unless directed to do so by a designated physician. In cases where a patient has a life-threatening condition, a BLS Ambulance may transport only if the ETA to the closest receiving hospital is less than the ETA of responding ALS resources.

- F. BLS First Response** is any response team/vehicle that is staffed by at least one (1) Emergency Medical Technician (EMT), with supplies necessary to triage, stabilize, maintain and transfer care of a BLS medical patient. These include, but are not limited to BLS-staffed Fire Engines/Trucks, QRV, MAT, etc.
- G. MAT (ALS or BLS)** is a mobile or “Roving Medical Resource(s)” are non-ambulance-based EMTs and/or Paramedics, or higher-level interventionists, that are deployed throughout the footprint of a special event (per Policy 7010) and may be on foot, bicycles, watercraft, or motorized transport cart/vehicle (Gator, Moped, Motorcycle, etc.). 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 defibrillator at all times. Per Policy 7010, they may respond, triage, evaluate, and begin appropriate treatment, or create Patient Declines Transport (PDT) documentation (NOT AMA) on patients, during special events that have approved medical plans that identify MATs as a functioning part of their overall safety procedures and concept of operations.

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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Attachment 1: 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/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 (Vivid Trac, Glidescope, CMAC), 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	-	-	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	Pulse Oximeter (may be integrated into cardiac monitor)	-	-	1	1
41	(Optional:) Carboxyhemoglobin Monitor (may be integrated into cardiac monitor)	-	-	1	1
42	Adult Finger Probes for pulse oximetry (reusable)	-	-	1	1
43	Pediatric Finger Probes for pulse Oximetry	-	-	1	1
44	Infant Finger Probes for pulse Oximetry	-	-	1	1
45	Jet Insufflation Ventilator for Needle Cricothyroidotomy	-	-	1	1

CARDIOVASCULAR		BLS First Response	BLS Amb	ALS First Response	ALS Amb
46	Semi-automatic defibrillator	1	1	-	-
47	Semi-automatic defibrillator pads – Adult (disposable razors are recommended as optional stock)	1	1	-	-
48	Semi-automatic defibrillator pads - Pedi	1	1	-	-
49	Stethoscope	1	1	1	1
50	Blood Pressure Cuff - Adult	1	1	1	1
51	Blood Pressure Cuff - Obese or Thigh	-	1	1	1
52	Blood Pressure Cuff - Pedi	-	1	1	1
53	Blood Pressure Cuff - Infant	-	1	1	1
54	Portable Cardiac Monitor-Defibrillator, w/ cables, capable of: <ul style="list-style-type: none"> • monitoring, defibrillation, transcutaneous pacing, synchronized cardioversion, and electrical discharge < 25 joules • monitoring ETCO2, SpO2, and blood pressure with automatic cuff for all ages • printing, transmitting, and ability to send 12-lead EKGs to all STAR centers/EMS Agency on current EMS Agency platform • providing integrated real time CPR feedback and view underlying rhythm during CPR compressions • the ability to transmit to current EMS Agency cardiac case review network for post case analysis and feedback • the ability to operate in pediatric / neonate AED modes • interoperability with STAR hospital crash cart monitors • producing a code summary post incident 	-	-	1	1
55	ECG recording paper, compatible with monitor	-	-	1	1
56	Multi-function defibrillation pads - Adult, compatible with monitor with compression feedback puck	-	-	1	2
57	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
58	Burn Sheets - Sterile (disposable type)	1	1	1	1
59	Quick Clot Combat Gauze (No Size)	2	2	2	2
60	Sterile gauze pads 4" x 4," 12 per box	1	1	1 box	1 box
61	Nonsterile 4" x 4" gauze pads, 200 per box	1	1	1 box	1 box
62	Abdominal Dressing, 8" x 10" or 5"x9" or similar size	2	4	2	4
63	Trauma Dressings, 10" x 30" or larger	2	2	2	2
64	Stretch-style Sterile Gauze Rolls 4" or 5"	4	4	4	4
65	Petroleum Gauze Pads, 4" x 6" or 3" x 9" (or similar size)	4	4	4	4
66	Triangular Bandages	2	2	2	2
67	Cloth Tape 2"	3	3	3	3
68	Combat Application Tourniquets OR approved equivalent*	1	1	1	1
69	Elastic Bandages 3"	1	1	1	1
70	Band-Aids 1", 10 strips	1	1	1	1
71	Instant Cold Packs	2	2	2	10
<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
72	Spine Board	1	1	1	1
73	Lightweight head immobilizer blocks (set)	1	1	1	1
74	4 seatbelt type straps, 3 long/box straps, or 1 set of spider straps	1	1	1	1
75	Cervical Collars: Adult	2	2	2	2
76	Cervical Collars: Pedi	2	2	2	2
77	Extremity splint, cardboard or similar product, small 12 - 18"	2	2	2	2
78	Extremity splint, cardboard or similar product, medium 18 - 24"	1	1	2	2
79	Extremity splint, cardboard or similar product, large 24 -36"	2	2	2	2
80	Traction Splints: Sager or HARE, adult and pedi size	1 each size	1 each size	1 each size	1 each size

81	Kendrick Extrication Device (KED)	1	1	1	1
82	Pediatric Spinal Immobilization Device	1	1	1	1
83	"Breakaway" OR "Flat" Stretcher	-	1	-	1
84	Patient Gurney with shoulder harness and limb belts	-	1	-	1
85	Stair chair (OR feature that allows gurney to adjust to seated position)	-	1	-	1
86	(OPTIONAL:) Scoop Stretcher	-	1	-	1
87	Extremity Restraints - Wrist & Ankle	-	1	-	1
INFECTION CONTROL / CREW PPE		BLS First Response	BLS Amb	ALS First Response	ALS Amb
88	Disinfectant Solution or Spray	1	1	1	1
89	Disinfectant Wipes	-	1	-	1
90	Hand sanitizer	1	1	1	1
91	Long-sleeve impermeable gowns	-	1/crew member	-	1/crew member
92	Pair of heavy duty gloves	-	1/crew member	-	1/crew member
93	Safety glasses or goggles	-	1/crew member	-	1/crew member
94	Plastic trash bags	-	1	-	1
95	Infectious waste bags (red biohazard bags)	1	1	1	1
96	Spit socks or hoods	1	2	1	2
97	Helmet: OSHA approved "hard hat" or equivalent	-	1/crew member	-	1/crew member
98	N-95 Masks, in sizes for all crew members	5	5	5	5
99	P100 Masks, as Required for Interventions	-	-	2	2
100	On Supervisor Rig, ONLY (if available): DuoDote Autoinjectors	(18)	(18)	(18)	(18)
101	On Supervisor Rig, ONLY: Level C PPE Suit	-	(2)	-	(2)
102	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
103	Pediatric Length-Based Resuscitation Tape	1	1	1	1

104	Stuffed toy for children	-	1	-	1
OBSTETRIC		BLS First Response	BLS Amb	ALS First Response	ALS Amb
105	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
106	Digital Thermometer	1	1	1	1
107	Trauma Shears	1	1	1	1
108	Water soluble lubricant, small packets	10	10	10	10
109	Penlights	2	2	2	2
110	1 Roll of Paper Towels, OR Equivalent of Disposable Towels	-	1	-	1
111	Disposable Blankets	1	2	1	2
112	Wool blend blankets	1	1	1	1
113	Chemical Heating Blanket (Ready-Heat Blanket or equivalent)	-	1	-	1
114	Sealable bags, gallon-size (e.g. Ziploc)	3	3	3	3
115	Emesis (Kidney) Basins or Bags	-	1	-	1
116	Urinal	-	1	-	1
117	Bedpan	-	1	-	1
118	Sharps Container	-	1	1	1
119	Flashlight with extra batteries or entire extra flashlight	1	1	1	1
120	Drinking water - 1 gallon	-	1	-	1
121	San Francisco County Map or GPS Device	-	1	-	1
122	San Francisco EMS Agency Protocol Manual, current version on Paper or Electronic Format (e.g. Protocol App on Mobile Device)	1	1	1	1
123	Pre-hospital Care Report (paper) OR 1 E-PCR Device	20	20	20	20
124	In Supervisor Rig ONLY: Cooler or refrigerator capable of maintaining 4 one-liter IV bags of NS at constant temperature of 4 degrees	-	-	-	ALS Supervisor Vehicles and / or

	Celsius (OR may substitute line# 75 cold packs)				ALS Amb
125	Fire Extinguisher, A/B/C rated, w/maintenance tag < 1 year	-	1	-	1
126	Road Flares	4	4	4	4
MEDICATIONS		BLS First Response	BLS Amb	ALS First Response	ALS Amb
		<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>			
127	Activated Charcoal (Aqueous suspension)	-	-	50 gms	50 gms
128	Adenosine	-	-	18 mgs	18 mgs
129	Albuterol Unit Dose, 2.5mg/3mL solution	-	-	20 mgs	20 mgs
130	Amiodarone	-	-	600 mgs	600 mgs
131	Aspirin (chewable), 81mg tablet	-	-	1620 mgs (20 tabs)	1620 mgs (20 tabs)
132	Atropine Sulfate, 1mg/10mL preload	-	-	3 mgs	3 mgs
133	Atropine Sulfate, 8mg/20ml multi-dose vial	-	-	8 mgs	8 mgs
134	Calcium Chloride (10%), 1g/10mL	-	-	1 gm	1 gm
135	Dextrose 10%, 25 gm premixed solution in 250mL bag	-	-	50 gms	50 gms
136	Diphenhydramine IV	-	-	100 mgs	100 mgs
137	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
138	Epinephrine 1:1,000, 1mg/1mL	-	-	6 mgs	6 mgs
139	Epinephrine 1:10,000, 1mg/10mL	-	-	4 mgs	4 mgs
140	(optional for EMTs) Adult epinephrine auto-injector	prefilled dose	prefilled dose	-	-
141	(optional for EMTs) Pediatric epinephrine auto-injector	prefilled dose	prefilled dose	-	-
142	Fentanyl (or Morphine Sulfate) <i>(Fentanyl OR Morphine is to be stocked per ambulance)</i>	-	-	200 mcg	200 mcg

143	Glucagon	-	-	1 mg	1 mg
144	Glucose Paste (approx. 30g/tube)	2 tubes	2 tubes	2 tubes	2 tubes
145	Ibuprofen (200 mg tablets)	-	-	2,000 mg (10 tabs)	2,000 mg (10 tabs)
146	Ibuprofen Liquid (100 mg/5mL)	-	-	120 mL	120 mL
147	Ketorolac	-	-	30 mg	30 mg
148	Lidocaine 2% in 5 ml vial (for use w/ intraosseous insertion)			1	1
149	Magnesium Sulfate 50%, 2 g/100 ml	-	-	4 gms	4 gms
150	Midazolam	-	-	10 mgs	10 mgs
151	Morphine Sulfate IV (or Fentanyl) <i>(Fentanyl OR Morphine is to be stocked per ambulance)</i>	-	-	20 mgs	20 mgs
152	Naloxone IV	-	-	4 mgs	4 mgs
153	Nitroglycerine, 0.4mg/dose metered spray OR Tablets (see Line#153)	-	-	1	1
154	Nitroglycerine, 0.4mg/tablet	-	-	25 tabs	25 tabs
155	Ondansetron 4mg ODT OR 4mg/2ml vial	-	-	12 mgs	12mgs
156	Sodium Bicarbonate, 50 mEq/50 ml	-	-	100 mEq	100 mEq
157	Sterile Water for Injection, 20 ml vials	-	-	2 vials	2 vials
IV SUPPLIES		BLS First Response	BLS Amb	ALS First Response	ALS Amb
158	Normal Saline 0.9% 1000 ml bag	-	-	4	4
159	D5W 100 ml bag	-	-	2	2
160	IV Administration Set 10 or 15 drops/mL	-	-	4	4
161	IV Administration Set 60 drops/mL	-	-	2	2
162	(Optional) IV Extension Tubing	-	-	2	2
163	IV Catheter (Safety type), 14G	-	-	2	2
164	IV Catheter (Safety type), 16G	-	-	2	2
165	IV Catheter (Safety type), 18G	-	-	2	2
166	IV Catheter (Safety type), 20G	-	-	2	2
167	IV Catheter (Safety type), 22G	-	-	2	2

168	Syringes, 1mL	-	-	2	2
169	Syringes, 3mL	-	-	2	2
170	Syringes, 5 or 6mL	-	-	2	2
171	Syringes, 10 or 12mL	-	-	2	2
172	Syringes, 30 or 35mL	-	-	2	2
173	Needles (Safety type), 18G, 20/21G, 25G (OR equivalent)	-	-	2 each	2 each
174	3-way stopcock	-	-	2	2
175	Manual Intra-Osseous needle 16G OR (See Line# 173)	-	-	1	1
176	EZ-IO Needles, small, medium, & large (or other approved mechanical insertion needles) with	-	-	1	1
177	EZ-IO Driver (or other approved insertion device)	-	-	1	1
178	Pressure Bag Infuser	-	-	1	1
179	Alcohol prep pads or swabs	-	-	10	10
180	Povidone Iodine prep pads or swabs	-	-	10	10
181	Blood Glucose Monitor	-	-	1	1
182	Blood Glucose Monitor Test Strips	-	-	10	10
183	Lancets (safety type)	-	-	10	10
184	Mucosal Atomizing Device (MAD)	-	-	1	1
185	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
186	Bag or Case to hold MCI Equipment	1	1	1	1
187	Mylar Blankets (Space Blankets)	12	12	12	12
188	Bullhorn, Battery Powered Megaphone, or Vehicle Megaphone	1	1	1	1
189	Combat Application Tourniquets or approved equivalent*	7	7	7	7
190	Compression Bandage with ties (e.g. Bloodstopper Dressings)	7	7	7	7
191	Cone masks	50	50	50	50

192	Felt tip markers	2	2	2	2
193	Glasses or Goggles	2	2	2	2
194	Heavy Duty Gloves	2	2	2	2
195	Oral Airways, sizes 0, 1, 2, & 3	1	1	1	1
196	Oral Airways, sizes 4, 5, & 6	2	2	2	2
197	Pens	3	3	3	3
198	Ruled paper tablet	1	1	1	1
199	Trauma Shears	2	2	2	2
200	Triage Tags	50	50	50	50
201	Vests - Kelly Green or Blue: "EMT-1" or "EMT-P"	2	2	2	2
202	Worksheets/Board: Helicopter Operations	1	1	1	1
203	Worksheets/Board: Medical Branch Director	1	1	1	1
204	Worksheets/Board: Medical Group Supervisor	1	1	1	1
205	Worksheets/Board: Transport	1	1	1	1
206	Worksheets/Board: Treatment	1	1	1	1
207	Clipboard	2	2	2	2
*Acceptable equivalent includes Combat Application Tourniquet, Emergency and Military Tourniquet, or Special Operations Forces Tactical Tourniquet					

Attachment 2: Policy 4001 Minimum Equipment Requirements for MATF, MATB, ALS MATG, & QRV					
Line #	AIRWAY / RESPIRATORY	BLS MAT (Foot/Bike/Cart)	ALS MAT (Foot/Bike)	ALS MAT (Gator/Cart)	ALS Sup.
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
4	A size oxygen cylinder (D or E size acceptable)	1	1	0	0
5	Regulators for D/E Oxygen Cylinders capable of delivering 2-15 LPM	1	1	1	1
6	Nasal Cannulas - Adult	1	1	2	1
7	Nasal Cannulas - Pedi	-	-	1	1
8	Simple Oxygen Masks - Infant	-	-	-	1
9	Non-Rebreather Masks - Adult	1	1	1	1
10	Non-Rebreather Masks - Pedi	1	1	1	1
11	Bag Valve Masks - Adult	1	1	1	1
12	Bag Valve Masks - Pedi	-	-	1	1
13	Bag Valve Masks - Infant	-	-	1	1
14	Oral Airway, Set, with sizes 0, 1, 2, 3, 4, 5, & 6	1	1	1	1
15	Nasal Pharyngeal Airways Set of sizes 26, 28, 30, 32, & 34 Fr	1	1	1	1
16	Tongue Depressors	2	2	2	1
17	Portable Suction Device - Manual Pump Type OR Battery Operated	-	-	1	1
18	Rigid Pharyngeal Tonsil Tip (Yankauer Suction)	-	-	1	1
19	Suction Tubing	-	-	1	1
20	Pediatric Suction Bulb (sterile)	-	-	-	1
21	Suction Catheters 6, 8, 10, 12, & 14 Fr	-	-	1	1
22	Supra-Glottic Laryngeal Airway (King Tube), Adult, Sizes 3, 4 & 5	-	1	1	1
23	Supra-Glottic Laryngeal Airway (King Tube), Pedi/Infant, Size 2.0, 2.5	-	-	1	1
24	Uncuffed Endotracheal Tubes, 2.0, 2.5, 3.0	-	-	1	1

25	Meconium Aspirator	-	-	1	1
26	Cuffed Endotracheal Tubes, 6.0, 6.5, 7.0, 7.5, 8.0, & 8.5	-	-	2	1
27	ET Tube holder or ties	-	-	2	1
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&4 only	1	1
30	(Optional:) Video Laryngoscope Blades (Vivid Trac, Glidescope, CMAC), Adult and Child Sizes	-	-	1	1
31	Large Laryngoscope Handle	-	1	1	1
32	Small Laryngoscope Handle	-	-	1	1
33	Stylets: Adult (If not in ETT)	-	-	1	1
34	Magill Forceps, Adult	-	1	1	1
35	Magill Forceps, Pedi	-	-	1	1
36	Handheld Nebulizer	-	-	2	1
37	Needle Cricothyroidotomy Kit (WITHOUT scalpel)	-	-	1	1
38	CPAP Device able to deliver PEEP of 10 cm H2O, breathing circuits, masks	-	-	1	1
39	Electronic Capnography device (may be integrated in cardiac monitor)	-	-	1	1
40	Capnography filter line with adapter to connect to ET tube	-	-	1	1
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 MAT (Foot/Bike)	ALS MAT (Foot/Bike)	ALS MAT (Gator/Cart)	ALS Sup.
47	Semi-automatic defibrillator	1	1	-	-
48	Semi-automatic defibrillator pads – Adult (disposable razors are	1	1	-	-

	recommended as optional stock)				
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
53	Blood Pressure Cuff - Pedi	-	-	1	1
54	Blood Pressure Cuff - Infant	-	-	1	1
55	Portable Cardiac Monitor-Defibrillator, w/ cables, capable of: <ul style="list-style-type: none"> • monitoring, defibrillation, transcutaneous pacing, synchronized cardioversion, and electrical discharge < 25 joules • monitoring ETCO2, SpO2, and blood pressure with automatic cuff for all ages • printing, transmitting, and ability to send 12-lead EKGs to all STAR centers/EMS Agency on current EMS Agency platform • providing integrated real time CPR feedback and view underlying rhythm during CPR compressions • the ability to transmit to current EMS Agency cardiac case review network for post case analysis and feedback • the ability to operate in pediatric / neonate AED modes • interoperability with STAR hospital crash cart monitors • producing 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	1
58	Multi-function defibrillation pads - Pedi, compatible with monitor with compression feedback puck	-	-	1	1
BURNS / TRAUMA / WOUND CARE		BLS MAT (Foot/Bike)	ALS MAT (Foot/Bike)	ALS MAT (Gator/Cart)	ALS Sup.
59	Burn Sheets - Sterile (disposable type)	-	-	1	1
60	Quick Clot Combat Gauze (No Size)	2	2	2	2

61	Sterile gauze pads 4" x 4," 12 per box	5	5	1 box	1 box
62	Nonsterile 4" x 4" gauze pads, 200 per box	-	-	1 box	1 box
63	Abdominal Dressing, 8" x 10" or 5"x9" or similar size	2	2	2	4
64	Trauma Dressings, 10" x 30" or larger	-	-	2	2
65	Stretch-style Sterile Gauze Rolls 4" or 5"	2	2	4	2
66	Petroleum Gauze Pads, 4" x 6" or 3" x 9" (or similar size)	1	1	4	2
67	Triangular Bandages	2	2	2	2
68	Cloth Tape 2"	1	1	3	1
69	Combat Application Tourniquets OR approved equivalent*	1	1	1	2
70	Elastic Bandages 3"	-	-	1	1
71	Band-Aids 1", 10 strips	1	1	1	1
72	Instant Cold Packs	3	3	2	10
<i>*Acceptable equivalent includes Combat Application Tourniquet, Emergency and Military Tourniquet, or Special Operations Forces Tactical Tourniquet</i>					
IMMOBILIZATION / EXTRICATION		BLS MAT (Foot/Bike)	ALS MAT (Foot/Bike)	ALS MAT (Gator/Cart)	ALS Sup.
73	Spine Board	-	-	1	1
74	Lightweight head immobilizer blocks (set)	-	-	1	1
75	4 seatbelt type straps, 3 long/box straps, or 1 set of spider straps	-	-	1	1
76	Cervical Collars: Adult	1	1	2	2
77	Cervical Collars: Pedi	-	-	2	2
78	Extremity splint, cardboard or similar product, small 12 - 18"	1	1	2	2
79	Extremity splint, cardboard or similar product, medium 18 - 24"	-	-	2	2
80	Extremity splint, cardboard or similar product, large 24 -36"	-	-	2	2
81	Traction Splints: Sager or HARE, adult and pedi size	-	-	1 each size	1 each size
82	Kendrick Extrication Device (KED)	-	-	1	-
83	Pediatric Spinal Immobilization Device	-	-	1	1
84	"Breakaway" OR "Flat" Stretcher	-	-	-	-
85	Patient Gurney with shoulder harness and limb belts	-	-	-	-

86	Stair chair (OR feature that allows gurney to adjust to seated position)	-	-	-	-
87	(OPTIONAL:) Scoop Stretcher	-	-	-	1
88	Extremity Restraints - Wrist & Ankle	-	-	-	1
INFECTION CONTROL / CREW PPE		BLS MAT (Foot/Bike)	ALS MAT (Foot/Bike)	ALS MAT (Gator/Cart)	ALS Sup.
89	Disinfectant Solution or Spray	-	-	1	1
90	Disinfectant Wipes	5	5	-	1
91	Hand sanitizer	1	1	1	1
92	Long-sleeve impermeable gowns	-	-	-	1/crew member
93	Pair of heavy duty gloves	-	-	-	1/crew member
94	Safety glasses or goggles	-	-	-	1/crew member
95	Plastic trash bags	-	-	-	1
96	Infectious waste bags (red biohazard bags)	3	3	1	1
97	Spit socks or hoods	-	-	1	1
98	Helmet: OSHA approved "hard hat" or equivalent	-	-	-	1/crew member
99	N-95 Masks, in sizes for all crew members	-	-	2	2
100	P100 Masks, as Required for Interventions	2	2	2	2
101	On Supervisor Rig, ONLY (if available): DuoDote Autoinjectors	-	-	-	10
102	On Supervisor Rig, ONLY: Level C PPE Suit	-	-	-	2
103	On Supervisor Rig, ONLY: PAPR (OR SCBA with extra air cylinders) for each Level C Suit	-	-	-	2
PEDIATRIC		BLS MAT (Foot/Bike)	ALS MAT (Foot/Bike)	ALS MAT (Gator/Cart)	ALS Sup.
104	Pediatric Length-Based Resuscitation Tape	-	-	1	1
105	Stuffed toy for children	-	-	-	1
OBSTETRIC		BLS MAT (Foot/Bike)	ALS MAT (Foot/Bike)	ALS MAT (Gator/Cart)	ALS Sup.

106	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
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MISCELLANEOUS		BLS MAT (Foot/Bike)	ALS MAT (Foot/Bike)	ALS MAT (Gator/Cart)	ALS Sup.
107	Digital Thermometer	-	0	0	1
108	Trauma Shears	1	1	1	1
109	Water soluble lubricant, small packets	4	4	10	10
110	Penlights	1	1	1	1
111	1 Roll of Paper Towels, OR Equivalent of Disposable Towels	-	-	-	1
112	Disposable Blankets	-	-	1	1
113	Wool blend blankets	-	-	1	1
114	Chemical Heating Blanket (Ready-Heat Blanket or equivalent)	-	-	-	1
115	Sealable bags, gallon-size (e.g. Ziploc)	-	-	3	3
116	Emesis (Kidney) Basins or Bags	-	-	-	1
117	Urinal	-	-	-	-
118	Bedpan	-	-	-	-
119	Sharps Container	-	1	1	1
120	Flashlight with extra batteries or entire extra flashlight	1	1	1	1
121	Drinking water - 1 gallon	-	-	-	1
122	San Francisco County Map or GPS Device	-	-	-	1
123	San Francisco EMS Agency Protocol Manual, current version on Paper or Electronic Format (e.g. Protocol App on Mobile Device)	-	-	1	1
124	Pre-hospital Care Report (paper) OR 1 E-PCR Device	3	3	5	5
125	In Supervisor Rig ONLY: Cooler or refrigerator capable of maintaining 4 one-liter IV bags of NS at constant temperature of 4 degrees Celsius (OR may substitute line# 75 cold packs)	-	-	-	ALS Supervisor Vehicles and / or ALS Amb
126	Fire Extinguisher, A/B/C rated, w/maintenance tag < 1 year	-	-	-	1

127	Road Flares	-	-	4	4
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MEDICATIONS		BLS MAT (Foot/Bike)	ALS MAT (Foot/Bike)	ALS MAT (Gator/Cart)	ALS Sup.
		<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>			
128	Activated Charcoal (Aqueous suspension)	-	-	50 gms	50 gms
129	Adenosine	-	18 mgs	18 mgs	18 mgs
130	Albuterol Unit Dose, 2.5mg/3mL solution	-	10 mgs	20 mgs	20 mgs
131	Amiodarone	-	450 mgs	600 mgs	600 mgs
132	Aspirin (chewable), 81mg tablet	-	1620 mgs (20 tabs)	1620 mgs (20 tabs)	1620 mgs (20 tabs)
133	Atropine Sulfate, 1mg/10mL preload	-	2 mgs	3 mgs	3 mgs
134	Atropine Sulfate, 8mg/20ml multi-dose vial	-	-	8 mgs	8 mgs
135	Calcium Chloride (10%), 1g/10mL	-	-	1 gm	1 gm
136	Dextrose 10%, 25 gm premixed solution in 250 mL bag	-	25 gms	50 gms	50 gms
137	Diphenhydramine IV	-	50 mgs	100 mgs	100 mgs
138	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
139	Epinephrine 1:1,000, 1mg/1mL	-	3	6 mgs	6 mgs
140	Epinephrine 1:10,000, 1mg/10mL	-	3	4 mgs	4 mgs
141	<i>(optional for EMTs)</i> Adult epinephrine auto-injector	-	-	-	-
142	<i>(optional for EMTs)</i> Pediatric epinephrine auto-injector	-	-	-	-
143	Fentanyl (or Morphine Sulfate) <i>(Fentanyl OR Morphine is to be stocked per ambulance)</i>	-	200 mcg	200 mcg	200 mcg
144	Glucagon	-	1 mg	1 mg	1 mg
145	Glucose Paste (approx. 30g/tube)	2 tubes	2 tubes	2 tubes	2 tubes
146	Ibuprofen (200 mg tablets)	-	-	2,000 mg	2,000 mg

				(10 tabs)	(10 tabs)
147	Ibuprofen Liquid (100 mg/5 mL)	-	-	120 mL	120 mL
148	Ketorolac	-	-	30 mg	30 mg
149	Lidocaine 2% in 5 ml vial (for use w/ intraosseous insertion)	-	-	<u>1</u>	<u>1</u>
150	Magnesium Sulfate 50%, 2 g/100 ml	-	4 gms	4 gms	4 gms
151	Midazolam	-	10 mgs	10 mgs	10 mgs
152	Morphine Sulfate IV (or Fentanyl) <i>(Fentanyl OR Morphine is to be stocked per ambulance)</i>	-	20 mgs	20 mgs	20 mgs
153	Naloxone IV	-	4 mgs	4 mgs	4 mgs
154	Nitroglycerine, 0.4mg/dose metered spray OR Tablets (see Line#153)	-	1 bottle	1 bottle	1 bottle
155	Nitroglycerine, 0.4mg/tablet	-	25 tabs	25 tabs	25 tabs
156	Ondansetron 4mg ODT OR 4mg/2ml vial	-	8 mgs	12 mgs	12 mgs
157	Sodium Bicarbonate, 50 mEq/50 ml	-	-	100 mEq	100 mEq
158	Sterile Water for Injection, 20 ml vials	-	-	2 vials	2 vials
IV SUPPLIES		BLS MAT (Foot/Bike)	ALS MAT (Foot/Bike)	ALS MAT (Gator/Cart)	ALS Sup.
159	Normal Saline 0.9% 1000 ml bag	-	1	2	2
160	D5W 100 ml bag	-	1	1	1
161	IV Administration Set 10 or 15 drops/mL	-	1	2	2
162	IV Administration Set 60 drops/mL	-	1	1	1
163	(Optional) IV Extension Tubing	-	2	2	2
164	IV Catheter (Safety type), 14G	-	1	2	2
165	IV Catheter (Safety type), 16G	-	1	2	2
166	IV Catheter (Safety type), 18G	-	2	2	2
167	IV Catheter (Safety type), 20G	-	2	2	2
168	IV Catheter (Safety type), 22G	-	2	2	2
169	Syringes, 1mL	-	2	2	2
170	Syringes, 3mL	-	2	2	2
171	Syringes, 5 or 6mL	-	2	2	2

172	Syringes, 10 or 12mL	-	2	2	2
173	Syringes, 30 or 35mL	-	-	2	2
174	Needles (Safety type), 18G, 20/21G, 25G (OR equivalent)	-	2 each	2 each	2 each
175	3-way stopcock	-	1	2	2
176	Manual Intra-Osseous needle 16G OR (See Line# 175)	-	-	1	1
177	EZ-IO Needles, small, medium, & large (or other approved mechanical insertion needles) with	-	-	1	1
178	EZ-IO Driver (or other approved insertion device)	-	-	1	1
179	Pressure Bag Infuser	-	1	1	1
180	Alcohol prep pads or swabs	-	6	10	10
181	Povidone Iodine prep pads or swabs	-	6	10	10
182	Blood Glucose Monitor	-	1	1	1
183	Blood Glucose Monitor Test Strips	-	10	10	10
184	Lancets (safety type)	-	10	10	10
185	Mucosal Atomizing Device (MAD)	-	1	1	1
186	Needle Thoracostomy Kit (e.g. Cook Emergency Pneumothorax Set or equivalent)	-	1	1	1
MCI KIT		BLS MAT	ALS MAT	ALS MAT	ALS Sup.
		(Foot/Bike)	(Foot/Bike)	(Gator/Cart)	
187	Bag or Case to hold MCI Equipment	-	-	-	1
188	Mylar Blankets (Space Blankets)	-	-	-	12
189	Bullhorn or Battery Powered Megaphone	-	-	-	1
190	Combat Application Tourniquets or approved equivalent*	-	-	-	7
191	Compression Bandage with ties (e.g. Bloodstopper Dressings)	-	-	-	7
192	Cone masks	-	-	-	50
193	Felt tip markers	-	-	-	2
194	Glasses or Goggles	-	-	-	2
195	Heavy Duty Gloves	-	-	-	2

196	Oral Airways, sizes 0, 1, 2, & 3	-	-	-	4
197	Oral Airways, sizes 4, 5, & 6	-	-	-	8
198	Pens	-	-	-	3
199	Pencils (pre-sharpened)	-	-	-	6
200	Pencil Sharpener	-	-	-	1
201	Ruled paper tablet	-	-	-	1
202	Trauma Shears	-	-	-	2
203	Triage Tags	-	-	-	50
204	Vests - Kelly Green or Blue: "EMT-1" or "EMT-P"	-	-	-	2
205	Vests - Orange: "Medical Group Supervisor"	-	-	-	1
206	Vests - Orange: "Medical Supply Officer"	-	-	-	1
207	Vests - Orange: "Staging Officer"	-	-	-	1
208	Vests - Orange: "Transport Officer"	-	-	-	1
209	Vests - Orange: "Treatment Officer"	-	-	-	1
210	Vests - Orange: "Triage Officer"	-	-	-	1
211	Worksheets/Board: Helicopter Operations	-	-	-	1
212	Worksheets/Board: Medical Branch Director	-	-	-	1
213	Worksheets/Board: Medical Group Supervisor	-	-	-	1
214	Worksheets/Board: Transport	-	-	-	1
215	Worksheets/Board: Treatment	-	-	-	1
216	Clipboard	-	-	-	2
*Acceptable equivalent includes Combat Application Tourniquet, Emergency and Military Tourniquet, or Special Operations Forces Tactical Tourniquet					