

**SAN FRANCISCO EMERGENCY MEDICAL SERVICES AGENCY -EMSAC August 2023**  
**VEHICLE EQUIPMENT SUPPLY LIST**

Policy Reference No.: 4001  
 Effective: April 1, 2022  
 Supersedes: February 3, 2020

**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 <b>OR</b> 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 (igel), Adult, Sizes 3, 4 & 5	-	-	1	1
22	Supra-Glottic Laryngeal Airway (igel), Pedi/Infant, Size 1.0, 1.5, 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
<b>CARDIOVASCULAR</b>		<b>BLS First Response</b>	<b>BLS Amb</b>	<b>ALS First Response</b>	<b>ALS Amb</b>
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
55	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; 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
<b>BURNS / TRAUMA / WOUND CARE</b>		<b>BLS First Response</b>	<b>BLS Amb</b>	<b>ALS First Response</b>	<b>ALS Amb</b>
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 <b>OR</b> 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 \*Acceptable equivalent includes *Combat Application Tourniquet, Emergency and Military Tourniquet, or Special Operations Forces Tactical Tourniquet*

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) <b>OR</b> Kendrick Traction Device (one 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" <b>OR</b> "Flat" Stretcher	-	1	-	1
86	Stair chair ( <b>OR</b> 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 ( <b>OR</b> 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
	<b>NOTE:</b> 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	50 gms
130	Adenosine	-	-	18	18 mgs
131	Albuterol Unit Dose, 2.5mg/3mL solution	-	-	20	20 mgs
132	Amiodarone	-	-	600	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 <b>OR</b> 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	(optional for EMTs ) Adult epinephrine auto-injector	prefilled dose	prefilled dose	-	-
143	(optional for EMTs ) 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	-	-	20 mcg	20 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 <b>OR</b> Tablets (see Line#156)	-	-	1	1
156	Nitroglycerine, 0.4mg/tablet	-	-	25 tabs	25 tabs
157	Ondansetron 4mg ODT <b>OR</b> 4mg/2ml vial	-	-	12 mcg	12mgs
158	Sodium Bicarbonate, 50 mEq/50 ml	-	-	100 mEq	100 mEq
159	Sterile Water for Injection, 20 ml vials	-	-	2 vials	2 vials
<b>IV SUPPLIES</b>		<b>BLS First Response</b>	<b>BLS Amb</b>	<b>ALS First Response</b>	<b>ALS Amb</b>
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 ( <b>OR</b> equivalent)	-	-	2 each	2 each
176	3-way stopcock	-	-	2	2
177	Manual Intra-Osseous needle 16G <b>OR</b> 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
<b>MCI KIT</b>		<b>BLS First Response</b>	<b>BLS Amb</b>	<b>ALS First Response</b>	<b>ALS Amb</b>
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 <i>Combat Application Tourniquet</i> , <i>Emergency and Military Tourniquet</i> , or <i>Special Operations Forces Tactical Tourniquet</i>				

#### **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 <b>OR</b> 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
	Bougie, Adult				2	
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
	<b>CARDIOVASCULAR</b>	<b>BLS Foot/Bike/Cart</b>	<b>ALS Foot/Bike</b>	<b>ALS Gator/Cart</b>	<b>ALS Supervisor</b>	<b>QRV</b>
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 ETCO <sub>2</sub> , SpO <sub>2</sub> , 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; 7. Interoperability with STAR hospital crash cart monitors; 8. Produce a code summary post incident.	-	-	1	1	1
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
	<b>BURNS / TRAUMA / WOUND CARE</b>	<b>BLS Foot/Bike/Cart</b>	<b>ALS Foot/Bike</b>	<b>ALS Gator/Cart</b>	<b>ALS Supervisor</b>	<b>QRV</b>
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
* Acceptable equivalent includes <b>Combat Application Tourniquet</b> , <b>Emergency and Military Tourniquet</b> , or <b>Special Operations Forces Tactical Tourniquet</b>						
<b>IMMOBILIZATION/EXTRICATION</b>			<b>BLS</b> Foot/Bike/Cart	<b>ALS</b> Foot/Bike	<b>ALS</b> Gator/Cart	<b>ALS</b> Supervisor
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) <b>OR</b> Kendrick Traction Device (one 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" <b>OR</b> "Flat" Stretcher	-	-	-	-	-
86	Patient Gurney with shoulder harness and limb belts	-	-	-	-	-
87	Stair chair ( <b>OR</b> feature that allows gurney to adjust to seated position)	-	-	-	-	-
88	(OPTIONAL:) Scoop Stretcher	-	-	-	1	1
89	Extremity Restraints - Wrist & Ankle	-	-	-	1	1
<b>INFECTION CONTROL / CREW PPE</b>			<b>BLS</b> Foot/Bike/Cart	<b>ALS</b> Foot/Bike	<b>ALS</b> Gator/Cart	<b>ALS</b> 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 ( <b>OR</b> SCBA with extra air cylinders) for each Level C Suit	-	-	-	2	2
<b>PEDIATRIC</b>			<b>BLS</b>	<b>ALS</b>	<b>ALS</b>	<b>ALS</b>
						<b>ORV</b>

		Foot/Bike/Cart	Foot/Bike	Gator/Cart	Supervisor	QRV
105	Pediatric Length-Based Resuscitation Tape	-	-	1	1	1
106	Stuffed toy for children	-	-	-	1	1
	<b>OBSTETRIC</b>	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
	<b>MISCELLANEOUS</b>	BLS Foot/Bike/Cart	ALS Foot/Bike	ALS Gator/Cart	ALS Supervisor	QRV
108	Digital Thermometer	-	-	-	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
	<b>MEDICATIONS</b>	BLS Foot/Bike/Cart	ALS Foot/Bike	ALS Gator/Cart	ALS Supervisor	QRV
	<b>NOTE:</b> 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)				
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 mgs	50 gms	50 gms
138	Diphenhydramine IV	-	50 mgs	100 mgs	100 mgs	100 mgs
139	Dopamine 400mg premixed in 250mL D5W <b>OR</b> 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	(optional for EMTs) Adult epinephrine auto-injector	-	-	-	-	-
143	(optional for EMTs) 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	-	20 mgs	20 mgs	20 mgs	20 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 <b>OR</b> 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 <b>OR</b> 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
<b>IV SUPPLIES</b>			<b>BLS</b> Foot/Bike/Cart	<b>ALS</b> Foot/Bike	<b>ALS</b> Gator/Cart	<b>ALS</b> 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 ( <b>OR</b> equivalent)	-	2 each	2 each	2 each	2 each
176	3-way stopcock	-	1	2	2	2
177	Manual Intra-Osseous needle 16G <b>OR</b> 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
<b>MCI KIT</b>		<b>BLS</b> Foot/Bike/Cart	<b>ALS</b> Foot/Bike	<b>ALS</b> Gator/Cart	<b>ALS</b> Supervisor	<b>QRV</b>
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

\*Acceptable equivalent includes *Combat Application Tourniquet*, *Emergency and Military Tourniquet*, or *Special Operations Forces Tactical Tourniquet*