SAN FRANCISCO EMERGENCY MEDICAL SERVICES AGENCY VEHICLE EQUIPMENT SUPPLY LIST				Policy Reference No.: 4001 Effective: 04/01/24 Supersedes: 04/01/23	
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 (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

	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
55	Portable Cardiac Monitor - Defibrillator, w/ cables, capable of: 1. Monitoring, defibrillation, transcutaneous pacing, synchronized cardioversion, and electrical dsicharge < 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 csae 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	Chest Seals or 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	***Acceptable equivalent includes 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) **OR** 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" **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
90	Pediatric Gurney Restraint/Seatbelt Device	-	1	-	1
	INFECTION CONTROL / CREW PPE	**BLS First Response**	**BLS Amb.**	**ALS First Response**	**ALS Amb.**
91	Disinfectant Solution or Spray	1	1	1	1
92	Disinfectant Wipes	-	1	-	1
93	Hand sanitizer	1	1	1	1
94	Long-sleeve impermeable gowns	-	1 / crew member	-	1 / crew member
95	Pair of heavy duty gloves	-	1 / crew member	-	1 / crew member
96	Safety glasses or goggles	-	1 / crew member	-	1 / crew member
97	Plastic trash bags	-	1	-	1
98	Infectious waste bags (red biohazard bags)	1	1	1	1
99	Spit socks or hoods	1	2	1	2
100	Helmet: OSHA approved "hard hat" or equivalent	-	1 / crew member	-	1 / crew member
101	N-95 Masks, in sizes for all crew members	5	5	5	5
102	P100 Masks, as Required for Interventions	-	-	2	2
103	On Supervisor Rig, ONLY (if available): DuoDote Autoinjectors	18	18	18	18
104	On Supervisor Rig, ONLY: Level C PPE Suit	-	2	-	2
105	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.**
106	Pediatric Length-Based Resuscitation Tape	1	1	1	1
107	Stuffed toy for children	-	1	-	1
	OBSTETRIC	**BLS First Response**	**BLS Amb.**	**ALS First Response**	**ALS Amb.**
108	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.**
109	Digital Thermometer	1	1	1	1
110	Trauma Shears	1	1	1	1
111	Water soluble lubricant, small packets	10	10	10	10
112	Penlights	2	2	2	2
113	1 Roll of Paper Towels, OR Equivalent of Disposable Towels	-	1	-	1
114	Disposable Blankets	1	2	1	2
115	Wool blend blankets	1	1	1	1
116	Chemical Heating Blanket (Ready-Heat Blanket or equivalent)	-	1	-	1
117	Sealable bags, gallon-size (e.g. Ziploc)	3	3	3	3
118	Emesis (Kidney) Basins or Bags	-	1	-	1
119	Urinal	-	1	-	1
120	Bedpan	-	1	-	1
121	Sharps Container	-	1	1	1

122	Flashlight with extra batteries or entire extra flashlight	1	1	1	1
123	Drinking water - 1 gallon	-	1	-	1
124	San Francisco County Map or GPS Device	-	1	-	1
125	San Francisco EMS Agency Protocol Manual, current version on Paper or Electronic Format (e.g. Protocol App on Mobile Device)	1	1	1	1
126	Pre-hospital Care Report (paper) **OR** 1 E-PCR Device	20	20	20	20
127	Fire Extinguisher, A/B/C rated, w/maintenance tag < 1 year	-	1	-	1
128	Road Flares	4	4	4	4
129	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.				
130	Activated Charcoal (Aqueous suspension)	-	-	50 gms	50gms
131	Adenosine	-	-	18 mgs	18 mgs
132	Albuterol Unit Dose, 2.5mg/3mL solution	-	-	20 mgs	20 mgs
133	Amiodarone	-	-	600 mgs	600 mgs
134	Aspirin (chewable), 81 mg Tablet	1620 mgs (20 tabs)	1620 mgs (20 tabs)	1620 mgs (20 tabs)	1620 mgs (20 tabs)
135	Atropine Sulfate, 1mg/10mL preload	-	-	3 mgs	3 mgs
136	Atropine Sulfate, 8mg/20ml multi-dose vial	-	-	8mgs	8 mgs
137	Calcium Chloride (10%), 1g/10mL	-	-	1 gm	1 gm
138	Dextrose 10%, 25 gm premixed solution in 250mL bag	-	-	50 gms	50 gms
139	Diphenhydramine IV	-	-	100 mgs	100 mgs
140	Epinephrine 1:1,000, 1mg/1mL	-	-	6 mgs	6 mgs
141	Epinephrine 1:10,000, 1mg/10mL	-	-	4 mgs	4 mgs
142	(REQUIRED *for EMTs*) Adult epinephrine auto-injector	Prefilled dose or Draw Up	Prefilled dose or Draw Up	-	-
143	*(REQUIRED for EMTs*) Pediatric epinephrine auto-injector	Prefilled dose or Draw Up	Prefilled dose or Draw Up	-	-
144	Fentanyl (or Morphine Sulfate) (Fentanyl OR Morphine is to be stocked per ambulance)	-	-	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)	-	-	60 mL	60 mL
149	Ketamine	-	-	100 mgs	100 mgs
150	Ketorolac	-	-	30 mgs	30 mg
151	Lidocaine 2% in 5 ml vial (for use w/ intraosseous insertion)	-	-	1	1
152	Magnesium Sulfate 50%, 1 g/2 ml	-	-	4 gms	4 gms
153	Midazolam	-	-	20 mgs	20 mgs
154	Naloxone	-	-	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	12 mgs
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	Pediatric Fluid Volume Limiter	-	-	1	1

165	(Optional) IV Extension Tubing	-	-	2	2
166	IV Catheter (Safety type), 14G	-	-	2	2
167	IV Catheter (Safety type), 16G	-	-	2	2
168	IV Catheter (Safety type), 18G	-	-	2	2
169	IV Catheter (Safety type), 20G	-	-	2	2
170	IV Catheter (Safety type), 22G	-	-	2	2
171	Syringes, 1mL	-	-	2	2
172	Syringes, 3mL	-	-	2	2
173	Syringes, 5 or 6mL	-	-	2	2
174	Syringes, 10 or 12mL	-	-	2	2
175	Syringes, 30 or 35mL	-	-	2	2
176	Needles (Safety type), 18G, 20/21G, 25G (**OR** equivalent)	-	-	2 each	2 each
177	3-way stopcock	-	-	2	2
178	Manual Intra-Osseous needle 16G **OR** Line #178 and #179	-	-	1	1
179	EZ-IO Needles, small, medium, & large (or other approved mechanical insertion needles) with	-	-	1	1
180	EZ-IO Driver (or other approved insertion device)	-	-	1	1
181	Pressure Bag Infuser	-	-	1	1
182	Alcohol prep pads or swabs	-	-	10	10
183	Povidone Iodine prep pads or swabs	-	-	10	10
184	Blood Glucose Monitor	-	-	1	1
185	Blood Glucose Monitor Test Strips	-	-	10	10
186	Lancets (safety type)	-	-	10	10
187	Mucosal Atomizing Device (MAD)	-	-	1	1
188	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.**
189	Bag or Case to hold MCI Equipment	1	1	1	1
190	Mylar Blankets (Space Blankets)	12	12	12	12
191	Bullhorn, Battery Powered Megaphone, or Vehicle Public Address System	1	1	1	1
192	Combat Application Tourniquets or approved equivalent*	7	7	7	7
193	Compression Bandage with ties (e.g. Bloodstopper Dressings)	7	7	7	7
194	Cone masks	50	50	50	50
195	Felt tip markers	2	2	2	2
196	Glasses or Goggles	2	2	2	2
197	Heavy Duty Gloves	2	2	2	2
198	Oral Airways, sizes 0, 1, 2, & 3	1	1	1	1
199	Oral Airways, sizes 4, 5, & 6	2	2	2	2
200	Pens	3	3	3	3
201	Ruled paper tablet	1	1	1	1
202	Trauma Shears	2	2	2	2
203	Triage Tags	50	50	50	50
204	Vests - Kelly Green or Blue: "EMT-1" or "EMT-P"	2	2	2	2
205	Worksheets/Board: Helicopter Operations	1	1	1	1
206	Worksheets/Board: Medical Branch Director	1	1	1	1
207	Worksheets/Board: Medical Group Supervisor	1	1	1	1
208	Worksheets/Board: Transport	1	1	1	1
209	Worksheets/Board: Treatment	1	1	1	1
210	Clipboard	2	2	2	2
Acceptable equivalent includes Emergency and Military Tourniquet, or Special Operations Forces Tactical Tourniquet					
"BACK-UP" LIST FOR MEDICATION SHORTAGES		**BLS First Response**	**BLS Amb.**	**ALS First Response**	**ALS Amb.**
211	Lorazepam	-	-	4 mgs	4 mgs

212	Dopamine	-	-	800 mgs	800 mgs	
213	Morphine	-	-	20 mgs	20 mgs	
214	Meter Dose Inhaler	-	-	2	2	
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	-	-	1	1	1
4	A size oxygen cylinder (D or E size acceptable)	1	1	-	-	-
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	Bougie, Adult	-	-	-	2	-
37	Handheld Nebulizer	-	-	2	1	1
38	Needle Cricothyroidotomy Kit (WITHOUT scalpel)	-	-	1	1	1
39	CPAP Device able to deliver PEEP of 10 cm H2O, breathing circuits, masks	-	-	1	1	1
40	Electronic Capnography device (may be integrated in cardiac monitor)	-	-	1	1	1
41	Capnography filter line with adapter to connect to ET tube	-	-	1	1	1
42	ETCO2 monitoring cannula	-	-	2	2	2
43	Pulse Oximeter (may be integrated into cardiac monitor)	-	-	1	1	1
44	(**Optional**:) Carboxyhemoglobin Monitor (may be integrated into cardiac monitor)	-	-	1	1	1
45	Adult Finger Probes for pulse oximetry (reusable)	-	-	1	1	1
46	Pediatric Finger Probes for pulse Oximetry	-	-	1	1	1

47	Infant Finger Probes for pulse Oximetry	-	-	1	1	1
48	Jet Insufflation Ventilator for Needle Cricothyroidotomy	-	-	1	1	1
CARDIOVASCULAR		**BLS - Foot / Bike / Cart**	**ALS - Foot / Bike**	**ALS - Gator / Cart**	**ALS - Supervisor**	**QRV**
49	Semi-automatic defibrillator	1	1	-	-	-
50	Semi-automatic defibrillator pads – Adult (disposable razors are recommended as optional stock)	1	1	-	-	-
51	Semi-automatic defibrillator pads - Pedi	1	1	-	-	-
52	Stethoscope	1	1	1	1	1
53	Blood Pressure Cuff - Adult	1	1	1	1	1
54	Blood Pressure Cuff - Obese or Thigh	-	-	1	1	1
55	Blood Pressure Cuff - Pedi	-	-	1	1	1
56	Blood Pressure Cuff - Infant	-	-	1	1	1
57	Portable Cardiac Monitor - Defibrillator, w/ cables, capable of: 1. Monitoring, defibrillation, transcutaneous pacing, synchronized cardioversion, and electrical dsicharge < 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 csae 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
58	ECG recording paper, compatible with monitor	-	-	1	1	1
59	Multi-function defibrillation pads - Adult, compatible with monitor with compression feedback puck	-	-	1	1	1
60	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**
61	Burn Sheets - Sterile (disposable type)	-	-	1	1	1
62	Quick Clot Combat Gauze (No Size)	2	2	2	2	2
63	Sterile gauze pads 4" x 4," 12 per box	5	5	1 box	1 box	1 box
64	Nonsterile 4" x 4" gauze pads, 200 per box	-	-	1 box	1 box	1 box
65	Abdominal Dressing, 8" x 10" or 5"x9" or similar size	2	2	2	4	4
66	Trauma Dressings, 10" x 30" or larger	-	-	2	2	2
67	Stretch-style Sterile Gauze Rolls 4" or 5"	2	2	4	2	2
68	Chest Seals or Petroleum Gauze Pads, 4" x 6" or 3" x 9" (or similar size)	1	1	4	2	2
69	Triangular Bandages	2	2	2	2	2
70	Cloth Tape 2"	1	1	3	1	1
71	Combat Application Tourniquets **OR** approved equivalent*	1	1	1	2	2
72	Elastic Bandages 3"	-	-	1	1	1
73	Band-Aids 1", 10 strips	1	1	1	1	1
74	Instant Cold Packs	3	3	2	6	6
Acceptable equivalent includes Emergency and Military Tourniquet, or Special Operations Forces Tactical Tourniquet						
IMMOBILIZATION / EXTRICATION		**BLS - Foot / Bike / Cart**	**ALS - Foot / Bike**	**ALS - Gator / Cart**	**ALS - Supervisor**	**QRV**

75	Spine Board	-	-	1	1	1
76	Lightweight head immobilizer blocks (set)	-	-	1	1	1
77	4 seatbelt type straps, 3 long/box straps, or 1 set of spider straps	-	-	1	1	1
78	Cervical Collars: Adult	1	1	2	2	2
79	Cervical Collars: Pedi	-	-	2	2	2
80	Extremity splint, cardboard or similar product, small 12 - 18"	1	1	2	2	2
81	Extremity splint, cardboard or similar product, medium 18 - 24"	-	-	2	2	2
82	Extremity splint, cardboard or similar product, large 24 -36"	-	-	2	2	2
83	Traction Splints: Sager or HARE (adult and pedi size) **OR** Kendrick Traction Device (one size)	-	-	1 each size	1 each size	1 each size
84	Kendrick Extrication Device (KED)	-	-	1	-	-
85	Pediatric Spinal Immobilization Device	-	-	1	1	1
86	"Breakaway" **OR** "Flat" Stretcher	-	-	-	-	-
87	Patient Gurney with shoulder harness and limb belts	-	-	-	-	-
88	Stair chair (**OR** feature that allows gurney to adjust to seated position)	-	-	-	-	-
89	(**OPTIONAL**:) Scoop Stretcher	-	-	-	1	1
90	Extremity Restraints - Wrist & Ankle	-	-	-	1	1
91	Pediatric Gurney Restraint/Seatbelt Device	-	-	-	-	-
INFECTION CONTROL / CREW PPE		**BLS - Foot / Bike / Cart**	**ALS - Foot / Bike**	**ALS - Gator / Cart**	**ALS - Supervisor**	**QRV**
92	Disinfectant Solution or Spray	-	-	1	1	1
93	Disinfectant Wipes	5	5	-	1	1
94	Hand sanitizer	1	1	1	1	1
95	Long-sleeve impermeable gowns	-	-	-	1 / crew member	1 / crew member
96	Pair of heavy duty gloves	-	-	-	1 / crew member	1 / crew member
97	Safety glasses or goggles	-	-	-	1 / crew member	1 / crew member
98	Plastic trash bags	-	-	-	1	1
99	Infectious waste bags (red biohazard bags)	3	3	1	1	1
100	Spit socks or hoods	-	-	1	1	1
101	Helmet: OSHA approved "hard hat" or equivalent	-	-	-	1 / crew member	1 / crew member
102	N-95 Masks, in sizes for all crew members	-	-	2	2	2
103	P100 Masks, as Required for Interventions	2	2	2	2	2
104	On Supervisor Rig, ONLY (if available): DuoDote Autoinjectors	-	-	-	10	10
105	On Supervisor Rig, ONLY: Level C PPE Suit	-	-	-	2	2
106	On Supervisor Rig, ONLY: PAPR (**OR** SCBA with extra air cylinders) for each Level C Suit	-	-	-	2	2
PEDIATRIC		**BLS - Foot / Bike / Cart**	**ALS - Foot / Bike**	**ALS - Gator / Cart**	**ALS - Supervisor**	**QRV**
107	Pediatric Length-Based Resuscitation Tape	-	-	1	1	1
108	Stuffed toy for children	-	-	-	1	1
OBSTETRIC		**BLS - Foot / Bike / Cart**	**ALS - Foot / Bike**	**ALS - Gator / Cart**	**ALS - Supervisor**	**QRV**
109	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**
110	Digital Thermometer	-	-	-	1	1
111	Trauma Shears	1	1	1	1	1
112	Water soluble lubricant, small packets	4	4	10	10	10
113	Penlights	1	1	1	1	1
114	1 Roll of Paper Towels, OR Equivalent of Disposable Towels	-	-	-	1	1
115	Disposable Blankets	-	-	1	1	1
116	Wool blend blankets	-	-	1	1	1
117	Chemical Heating Blanket (Ready-Heat Blanket or equivalent)	-	-	-	1	1
118	Sealable bags, gallon-size (e.g. Ziploc)	-	-	3	3	3
119	Emesis (Kidney) Basins or Bags	-	-	-	1	1
120	Urinal	-	-	-	-	-

121	Bedpan	-	-	-	-	-
122	Sharps Container	-	1	1	1	1
123	Flashlight with extra batteries or entire extra flashlight	1	1	1	1	1
124	Drinking water - 1 gallon	-	-	-	1	1
125	San Francisco County Map or GPS Device	-	-	-	1	1
126	San Francisco EMS Agency Protocol Manual, current version on Paper or Electronic Format (e.g. Protocol App on Mobile Device)	-	-	1	1	1
127	Pre-hospital Care Report (paper) **OR** 1 E-PCR Device	3	3	5	5	5
128	Fire Extinguisher, A/B/C rated, w/maintenance tag < 1 year	-	-	-	1	1
129	Road Flares	-	-	4	4	4
130	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**
131	Activated Charcoal (Aqueous suspension)	-	-	50 gms	50 gms	50 gms
132	Adenosine	-	18 mgs	18 mgs	18 mgs	18 mgs
133	Albuterol Unit Dose, 2.5mg/3mL solution	-	10 mgs	20 mgs	20 mgs	20 mgs
134	Amiodarone	-	450mgs	600 mgs	600 mgs	600 mgs
135	Aspirin (chewable), 81 mg Tablet	1620 mgs	1620 mgs	1620 mgs	1620 mgs	1620 mgs
		(20 tabs)	(20 tabs)	(20 tabs)	(20 tabs)	(20 tabs)
136	Atropine Sulfate, 1mg/10mL preload	-	2 mgs	3 mgs	3 mgs	3 mgs
137	Atropine Sulfate, 8mg/20ml multi-dose vial	-	-	8 mgs	8 mgs	8 mgs
138	Calcium Chloride (10%), 1g/10mL	-	-	1 gm	1 gm	1 gm
139	Dextrose 10%, 25 gm premixed solution in 250mL bag	-	25 gms	50 gms	50 gms	50 gms
140	Diphenhydramine IV	-	50 mgs	100 mgs	100 mgs	100 mgs
141	Epinephrine 1:1,000, 1mg/1mL	-	3 mgs	6 mgs	6 mgs	6 mgs
142	Epinephrine 1:10,000, 1mg/10mL	-	3 mgs	4 mgs	4 mgs	4 mgs
143	(REQUIRED *for EMTs*) Adult epinephrine auto-injector	Prefilled dose or Draw Up	-	-	-	-
144	*(REQUIRED for EMTs*) Pediatric epinephrine auto-injector	Prefilled dose or Draw Up	-	-	-	-
145	Fentanyl (or Morphine Sulfate) (Fentanyl OR Morphine is to be stocked per ambulance)	-	200 mcg	200 mcg	200 mcg	200 mcg
146	Glucagon	-	1 mg	1 mg	1 mg	1 mg
147	Glucose Paste (approx. 30g/tube)	2 tubes	2 tubes	2 tubes	2 tubes	2 tubes
148	Ibuprofen (200 mg tablets)	-	-	2,000 mg	2,000 mg	2,000 mg
				(10 tabs)	(10 tabs)	(10 tabs)
149	Ibuprofen Liquid (100 mg/5mL)	-	-	60 mL	60 mL	60 mL
150	Ketamine	-	-	-	100 mgs	100 mgs
151	Ketorolac	-	-	30 mgs	30 mg	30 mg
152	Lidocaine 2% in 5 ml vial (for use w/ intraosseous insertion)	-	-	1	1	1
153	Magnesium Sulfate 50%, 1 g/2 ml	-	-	4 gms	4 gms	4 gms
154	Midazolam	-	20 mgs	20 mgs	20 mgs	20 mgs
155	Naloxone IV/IN	-	4 mgs	4 mgs	4 mgs	4 mgs
156	Nitroglycerine, 0.4mg/dose metered spray **OR** Tablets (see Line#156)	-	1 bottle	1 bottle	1 bottle	1 bottle
157	Nitroglycerine, 0.4mg/tablet	-	25 tabs	25 tabs	25 tabs	25 tabs
158	Ondansetron 4mg ODT **OR** 4mg/2ml vial	-	8 mgs	12 mgs	12 mgs	12 mgs
159	Sodium Bicarbonate, 50 mEq/50 ml	-	-	100 mEq	100 mEq	100 mEq
160	Sterile Water for Injection, 20 ml vials	-	-	2 vials	2 vials	2 vials
IV SUPPLIES		**BLS - Foot / Bike / Cart**	**ALS - Foot / Bike**	**ALS - Gator / Cart**	**ALS - Supervisor**	**QRV**
161	Normal Saline 0.9% 1000 ml bag	-	1	2	2	2
162	D5W 100 ml bag	-	1	1	1	1
163	IV Administration Set 10 or 15 drops/mL	-	1	2	2	2
164	IV Administration Set 60 drops/mL	-	1	1	1	1
165	Pediatric Fluid Volume Limiter	-	-	1	1	1

166	(Optional) IV Extension Tubing	-	2	2	2	2
167	IV Catheter (Safety type), 14G	-	1	2	2	2
168	IV Catheter (Safety type), 16G	-	1	2	2	2
169	IV Catheter (Safety type), 18G	-	2	2	2	2
170	IV Catheter (Safety type), 20G	-	2	2	2	2
171	IV Catheter (Safety type), 22G	-	2	2	2	2
172	Syringes, 1mL	-	2	2	2	2
173	Syringes, 3mL	-	2	2	2	2
174	Syringes, 5 or 6mL	-	2	2	2	2
175	Syringes, 10 or 12mL	-	2	2	2	2
176	Syringes, 30 or 35mL	-	-	2	2	2
177	Needles (Safety type), 18G, 20/21G, 25G (**OR** equivalent)	-	2 each	2 each	2 each	2 each
178	3-way stopcock	-	1	2	2	2
179	Manual Intra-Osseous needle 16G **OR** Line# 178 and #179	-	-	1	1	1
180	EZ-IO Needles, small, medium, & large (or other approved mechanical insertion needles) with	-	-	1	1	1
181	EZ-IO Driver (or other approved insertion device)	-	-	1	1	1
182	Pressure Bag Infuser	-	-	1	1	1
183	Alcohol prep pads or swabs	-	6	10	10	10
184	Povidone Iodine prep pads or swabs	-	6	10	10	10
185	Blood Glucose Monitor	-	1	1	1	1
186	Blood Glucose Monitor Test Strips	-	10	10	10	10
187	Lancets (safety type)	-	10	10	10	10
188	Mucosal Atomizing Device (MAD)	-	1	1	1	1
189	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**
190	Bag or Case to hold MCI Equipment	-	-	-	1	1
191	Mylar Blankets (Space Blankets)	-	-	-	12	12
192	Bullhorn, Battery Powered Megaphone, or Vehicle Public Address System	-	-	-	1	1
193	Combat Application Tourniquets or approved equivalent*	-	-	-	7	7
194	Compression Bandage with ties (e.g. Bloodstopper Dressings)	-	-	-	7	7
195	Cone masks	-	-	-	50	50
196	Felt tip markers	-	-	-	2	2
197	Glasses or Goggles	-	-	-	2	2
198	Heavy Duty Gloves	-	-	-	2	2
199	Oral Airways, sizes 0, 1, 2, & 3	-	-	-	4	4
200	Oral Airways, sizes 4, 5, & 6	-	-	-	8	8
201	Pens	-	-	-	3	3
202	Pencils (pre-sharpened)	-	-	-	6	6
203	Pencil Sharpener	-	-	-	1	1
204	Ruled paper tablet	-	-	-	1	1
205	Trauma Shears	-	-	-	2	2
206	Triage Tags	-	-	-	50	50
207	Vests - Kelly Green or Blue: "EMT-1" or "EMT-P"	-	-	-	2	2
208	Vests - Orange: "Medical Group Supervisor"	-	-	-	1	1
209	Vests - Orange: "Medical Supply Officer"	-	-	-	1	1
210	Vests - Orange: "Staging Officer"	-	-	-	1	1
211	Vests - Orange: "Transport Officer"	-	-	-	1	1
212	Vests - Orange: "Treatment Officer"	-	-	-	1	1
213	Vests - Orange: "Triage Officer"	-	-	-	1	1
214	Worksheets/Board: Helicopter Operations	-	-	-	1	1
215	Worksheets/Board: Medical Branch Director	-	-	-	1	1
216	Worksheets/Board: Medical Group Supervisor	-	-	-	1	1
217	Worksheets/Board: Transport	-	-	-	1	1
218	Worksheets/Board: Treatment	-	-	-	1	1
219	Clipboard	-	-	-	2	2
	Acceptable equivalent includes Emergency and Military Tourniquet, or Special Operations Forces Tactical Tourniquet					
	"BACK-UP" LIST FOR MEDICATION SHORTAGES	**BLS - Foot / Bike / Cart**	**ALS - Foot / Bike**	**ALS - Gator / Cart**	**ALS - Supervisor**	**QRV**
220	Lorazepam	-	-	4 mgs	4 mgs	4 mgs
221	Dopamine	-	-	800 mgs	800 mgs	800 mgs

222	Morphine	-	-	20 mgs	20 mgs	20 mgs
223	Meter Dose Inhaler	-	-	2	2	2