



## SUPPLEMENTAL EMS SYSTEM RESOURCES

**Effective:** January 1, 2023  
**Replaces:** January 1, 2020

### I. Purpose

The purpose of this policy is to provide minimum standards related to the use of supplemental EMS System resources including emergency medical technicians (EMTs) and paramedics working in non-traditional environments within Santa Clara County and when serving on an authorized mutual aid assignment.

### II. Authorization

- A. Any Santa Clara County authorized advanced life support (ALS) or basic life support (BLS) System Provider Agency may provide supplemental ALS or BLS services, in accordance with this policy, when operating within their approved jurisdiction.
- B. The use of Supplemental EMS Resources shall augment normally assigned EMS System resources and may not be used in lieu of the County authorized response model.
- C. Providers wishing to use Supplemental EMS System Resources must submit a request, in writing, to the EMS Agency. Providers may not provide supplemental services until authorized by the County.
- D. All supplemental resources must be approved, annually, by the EMS Agency.
- E. This policy applies only to personnel who are working for their approved Santa Clara County EMS Provider Agency.
- F. The County Emergency Ambulance Provider maintains two Alternative Transport Ambulances that may be staffed and deployed by County Ambulance when authorized by the EMS Agency as identified below.
  - 1. County Ambulance currently holds exclusivity for the transport of all patients in the County Service Area and may staff and deploy Alternative Transport Ambulances as indicated and approved by the EMS Agency.

2. EMS System partners may request that Alternative Transport Ambulances be staffed and deployed by County Ambulance for preplanned events by making a request to County Ambulance. County Ambulance will review the request and then submit planned deployments to the EMS Agency for approval.
3. The cost of service for the use of Alternative Transport Ambulances is found in Appendix M of the agreement with the County EOA operator.

### **III. Dispatch Requirements**

- A. Supplemental EMS Resources may not be dispatched to any incident unless a standard EMS System Response is also initiated including first responder and/or ambulance response.
- B. Supplemental EMS Resources on the scene of a response may cancel incoming units as appropriate.
- C. Supplemental EMS Resources shall be tracked by an authorized Public Safety Answering Point (PSAP).
- D. Supplemental EMS Resources may be used for special events/planned events. However, a standard EMS System response must be dispatched to the incident, unless the resource has been deployed as an on-scene resource.

### **IV. Inventory and Supply**

- A. Inventory and supply requirements are identified in the attached schedules (A-E). These schedules identify the minimum inventory requirements.
- B. Inventory items identified in Schedule A and B are less than the FireScope recommended inventory for Fireline EMTs and paramedics. Fire departments may wish to augment these schedules by following the additional inventory provided by FireScope.
- C. In addition to the minimum inventory contained in the schedules, each resource shall have adequate restock to permit the unit to remain in service at all times using the minimum standards.

Supply Schedule for Supplemental EMS Resources	
Schedule A	• Fireline EMT and Special Event EMT
Schedule B	• Tactical Paramedic
Schedule C	• Fireline Paramedic
Schedule D	• Special Event Paramedic (Motorized Response)
Schedule E	• Special Event Paramedic

## V. Basic Life Support Resources

Basic Life Support Supplemental EMS Resources include Fireline Emergency Medical Technicians (EMTF) and Special Event Emergency Medical Technicians (SEEMT). These resources provide initial patient assessments and may begin care according to local protocols. Both the SEEMT and the EMTF may respond to events using motorized and non-motorized bikes, carts, off-road vehicles, and/or on foot equipped with the minimum inventory identified in Schedule A.

### A. Fireline Emergency Medical Technician (EMTF):

1. EMTFs may provide basic life support medical care behind the fire line or in areas where traditional EMS Resources may not be readily available.
2. EMTFs are often required to hike significant distances while carrying heavy medical and other supply packs. The EMTF is not routinely assigned to duties within the base camp, but is deployed with line personnel for extended periods of time.
3. Fire service providers shall establish non-medical qualifications in order to serve as a EMTF.
4. EMTF deployment must be authorized by the Fire/Rescue Operational Area Coordinator as identified in *Santa Clara County Prehospital Care Policy 615: Op Area Medical-Health Mutual Aid*.

### B. Special Event Emergency Medical Technician (SEEMT):

1. SEEMTs may provide basic life support medical care at standby or other events when the use of a dedicated ambulance is not required.

## VI. Advanced Life Support Resources

Advanced Life Support Supplemental EMS Resources include the Fireline Paramedic (EMPF), Tactical Paramedic (TP), and Special Event Paramedic (SEP). These resources provide an initial patient assessment and may begin care according to local protocol. The EMPF, TP, and SEP may respond to events using motorized and non-motorized bikes, carts, off-road vehicles, and/or on foot.

A. Fireline Paramedics (EMPFs):

1. EMPFs may provide ALS medical care behind the fire line or in areas where traditional EMS resources may not be readily available.
2. EMPFs are often required to hike significant distances while carrying heavy medical and other supply packs. The EMPF is not routinely assigned to duties within the base camp, but is deployed with line personnel for extended periods of time.
3. Fire service providers shall establish non-medical qualifications in order to serve as a EMPF.
4. EMPF deployment must be authorized by the Fire/Rescue Operational Area Coordinator as identified in Policy 615.
5. When the Operational Area Fire/Rescue Coordinator has approved the release of a EMPF outside of the Operational Area, the EMPF shall immediately contact the EMS Duty Chief.
  - a. The EMS Duty Chief will notify the EMS Director and Medical Director.
  - b. The EMS Duty Chief will notify the Local EMS Agency (LEMSA) where the EMPF will be operating.
  - c. The EMPF shall provide the LEMSA in the area of operation (in addition to the Santa Clara County EMS Agency) with copies of all patient care records as soon as practical, but not to exceed forty-eight (48) hours after return to the home jurisdiction.
6. The EMPF shall notify the EMS Duty Chief when service or County assignment has ended.

B. Special Event Paramedics (SEPs):

1. SEPs may provide advanced life support medical care at standby or other events when the use of a dedicated ambulance is not required.
2. SEPs responding via motorized carts and/or off-road vehicles shall meet the inventory requirements contained in Schedule D.
3. SEPs responding via non-motorized bikes and/or on foot shall meet the inventory requirements contained in Schedule E.

- C. Tactical Paramedics (TPs):
1. TPs may provide limited ALS in areas where it is not possible or appropriate to have a standard paramedic unit. Examples include law enforcement, search and rescue, or wilderness operations. The primary focus of the TP is to deliver life-saving interventions such as treatment of anaphylaxis, fluid replacement, pain management, and hypoglycemia care.
  2. Santa Clara County Accredited Paramedics may function within their scope of practice, when serving in a specialized tactical law enforcement role, when an agreement has been established between the law enforcement agency and authorized existing ALS provider agency.
    - a. Municipal law enforcement agencies shall establish an agreement with their ALS authorized provider, if applicable, permitting the use of personnel for this purpose. The authorized ALS provider agency shall maintain the responsibility for ensuring compliance with all Santa Clara County policies, procedures, protocols, and practices.
    - b. Law enforcement providers shall establish non-medical qualifications for TPs, as appropriate.
  3. TP resources shall meet the inventory requirements contained in Schedule B.

**Supply Schedule A: Fireline EMT and Special Event EMT**

<b>Supply Name</b>	<b>Minimum Quantity</b>
Bandage, Sterile 4x4	6
Cervical Collar - Adjustable	1
Dressing, Multi-Trauma	4
Cold Pack	3
Eye Wash (bottle)	1
4.5" Kling Bandage- Sterile	2
Triangular Dressing with Pin	2
Moldable Splint	1
1 Inch Cloth Tape (roll)	2
Occlusive Dressing or Chest Seal	2
Triage Tags	6
Disposable Blanket	2
Small Adhesive Bandages	12
Elastic Bandages (each)	2
Windlass Tourniquet	1
Oral Pharyngeal Airways (sizes 90, 100, 110)	1 each size
Nasal Pharyngeal Airways (sizes 30, 32, 34, 36)	1 each size
Bag Valve Mask (adult)	1
Manual Suction Device	1
Chewable Aspirin	648 mg
Naloxone Intranasal Autoinjector	2
Oral Glucose	24 gm
Biohazard Bag	2
Nitrile Gloves (S, M, L, XL)	10 each size
Trauma Shears	1
Stethoscope	1
Adult Blood Pressure Cuff	1
Digital Thermometer	1
Glucometer, lancets, and test strips	1

**Supply Schedule B: Tactical Paramedic**

<b>Trauma Care</b>	
<b>Supply Name</b>	<b>Minimum Quantity</b>
Bandage, Sterile 4x4	6
Cervical Collar - Adjustable	1
Dressing, Multi-Trauma	4
Cold Pack	3
Eye Wash (bottle)	1
Elastic Bandages	2
4.5" Kling Bandage- Sterile (each)	2
Triangular Dressing with Pin	2
Sheet, Burn or Equivalent	2
Moldable Splint	1
1 Inch Cloth Tape (roll)	2
Occlusive Dressing or Chest Seal	2
Triage Tags	6
Disposable Blanket	2
Small Adhesive Bandages	12
Needle Thoracostomy Kit	2
Windlass Tourniquet	1
Quick Clot or Celox Hemostatic Gauze	Optional
<b>Airway</b>	
Oral Pharyngeal Airways (sizes 90, 100, 110)	1 each size
Nasal Pharyngeal Airways (sizes 30, 32, 34, 36)	1 each size
Bag Valve Mask (adult)	1
Manual Suction Device	1
LMA Supreme (sizes 3, 4, 5)	1 each size
<b>Patient Assessment</b>	
Stethoscope	1
Adult Blood Pressure Cuff	1
Glucometer, lancets, and test strips	1

**Supply Schedule B: Tactical Paramedic (continued)**

<b>Medications</b>	
<b>Supply Name</b>	<b>Minimum Quantity</b>
2.5mg Albuterol Metered Dose Inhaler	2
Chewable Aspirin	648 mg
Dextrose 10% 25g in 250 ml bag	25 g
Diphenhydramine	100 mg
Epinephrine 1:1000	4 mg
Glucagon 1mg/unit	1 mg
Nitroglycerine 1/150 gr (pills or spray) (bottle)	1
Saline 0.9% IV with Macro-Drip tubing (may be configured with 250cc or 500cc Bags)	500 cc
Oral Glucose	24 gm
<b>IV/Medication Admin Supplies</b>	
Alcohol Preps	6
Tourniquet (elastic band)	2
Adhesive Tape Roll	1
14 Gauge IV Catheter	2
16 Gauge IV Catheter	2
18 Gauge IV Catheter	2
20 Gauge IV Catheter	2
5 cc Syringe	2
1cc TB Syringe	2
18 Gauge Needle	4
25 Gauge Needle	2
<b>Miscellaneous</b>	
Small Sharps Disposal Container	1
Pack Inventory Sheet	1
PCR	6
Biohazard Bag	2
Nitrile Gloves (S, M, L, XL)	10 each size
Trauma Shears	1



**Supply Schedule C: Fireline Paramedic**

<b>Trauma Care</b>	
<b>Supply Name</b>	<b>Minimum Quantity</b>
Bandage, Sterile 4x4	6
Cervical Collar - Adjustable	1
Cold Pack	3
Dressing, Multi-Trauma	4
Eye Wash (bottle)	1
Elastic Bandages (each)	2
4.5" Kling Bandage- Sterile	2
Triangular Dressing with Pin	2
Sheet, Burn or Equivalent	2
Splint Moldable	1
1 Inch Cloth Tape (roll)	2
Petroleum Dressing	2
Triage Tags	6
Space Blanket	2
Small Adhesive Bandages	12
Windlass Tourniquet	1
Quick Clot or Celox Hemostatic Gauze	Optional
<b>Airway</b>	
Cuffed ET Tubes (size 6, 7, 8 with stylet)	1 each size
ET Tube Introducer (Bougie)	1
LMA Supreme (sizes 3, 4, 5)	1 each size
Mac 4 Blade, Miller 4 Blade	1 each
Intubation handle	1
ETT Restraint	1
ETCO2 Detector	1
ETT Verification Device	1
Needle Thoracostomy Kit	1
Oral Pharyngeal Airways (sizes 90, 100, 110)	1 each size

Nasal Pharyngeal Airways (sizes 30, 32, 34, 36)	1 each size
Bag Valve Mask (adult)	1
Manual Suction Device	1
<b>Biomedical Equipment</b>	
<b>Supply Name</b>	<b>Minimum Quantity</b>
Compact AED (waveform display preferred)	1
AED Patches	2
Glucometer, lancets, and test strips	1
<b>IV/Medication Admin Supplies</b>	
Alcohol Preps	6
Tourniquet (elastic band)	2
Razor	1
Adhesive Tape Roll	1
14 Gauge IV Catheter	2
16 Gauge IV Catheter	2
18 Gauge IV Catheter	2
20 Gauge IV Catheter	2
10 cc Syringe	2
1cc TB Syringe	2
18 Gauge Needle	4
25 Gauge Needle	2
<b>Fireline Paramedic Medications</b>	
2.5mg Albuterol Metered Dose Inhaler	2
Amiodarone	450 mg
Lidocaine	100 mg
Chewable Aspirin	648 mg
Atropine Sulfate	2 mg
Dextrose 10% 25g in 250 ml bag	25 g
Diphenhydramine	200 mg
Epinephrine 1:10,000	2 mg

Epinephrine 1:1000	4 mg
Glucagon 1mg/unit	1 mg
Midazolam	20 mg
Morphine Sulfate	40 mg
Naloxone	2 mg
Nitroglycerine 1/150 gr (pills or spray)	1 bottle
Saline 0.9% IV with Macro-Drip tubing (may be configured with 250cc or 500cc Bags)	1000 cc
Oral Glucose	24 gm
<b>Fireline Paramedic Miscellaneous</b>	
<b>Supply Name</b>	<b>Minimum Quantity</b>
Small Sharps Container	1
Lockable Narcotic Storage Container	1
Pack Inventory Sheet	1
PCR	6
Biohazard Bag	2
Nitrile Gloves (S, M, L, XL)	10 each size
Trauma Shears	1
Stethoscope	1
Adult Blood Pressure Cuff	1
Digital Thermometer	1

**Supply Schedule D: Special Event Paramedic (Motorized Response)**

<b>Trauma Care</b>	
<b>Supply Name</b>	<b>Minimum Quantity</b>
Bandage, Sterile 4x4	6
Cervical Collar - Adjustable Adult and Pediatric	1
Dressing, Multi-Trauma	4
Cold Pack	3
Eye Wash (bottle)	1
Elastic Bandages (each)	2
4.5" Kling Bandage- Sterile	2
Triangular Dressing with Pin	2
Sheet, Burn or Equivalent	2
Splint Moldable	1
1 Inch Cloth Tape (roll)	2
Occlusive Dressing or Chest Seal	2
Triage Tags	6
Space Blanket	2
Small Adhesive Bandages	12
Traction Splint	1
Long Spine Board	1
Backboard Straps (spider or webbed belt set)	1 set
Foam, anti-skid spine board pad	Optional
Head Immobilizer	2
Windlass Tourniquet	1
Quick Clot or Celox Hemostatic Gauze	Optional
<b>Airway</b>	
Cuffed ET Tubes (sizes 6, 7, 8 with stylet)	1 each size
ET Tube Introducer (Bougie)	1
LMA Supreme (sizes 3, 4, 5)	1 each size
Mac Blade (sizes 0-4)	1
Miller Blade (sizes 0-4)	1

Intubation handle	1
ETT Restraint	1
ETCO2 Detector	1
ETT Verification Device	1
Needle Thoracotomy Kit	1
Oral Pharyngeal Airways (sizes 90, 100, 110)	1 each size
Nasal Pharyngeal Airways (sizes 30, 32, 34, 36)	1 each size
Bag Valve Mask (adult and pediatric)	1 each size
Manual Suction Device	1
Nasal Cannula (adult and pediatric)	1 each size
Non-Rebreather Mask (adult and pediatric)	1 each size
County approved CPAP (S, M, L)	1 each size
Hand Held Nebulizer	1
Needle Thoracostomy Kit	1
<b>Biomedical Equipment</b>	
<b>Supply Name</b>	<b>Minimum Quantity</b>
Cardiac Monitor/Defibrillator with Pacing, ETCO2, and 12 lead EKG Capabilities	1
Defib Patches (adult and pediatric)	2
Pulse Oximeter	1
Glucometer, lancets, and test strips	1
EKG Gel Electrodes (latex-free)	20
<b>Special Event Paramedic (Motorized Response)</b>	
<b>IV/Medication Admin Supplies</b>	
IV Administration Set-Macro-Drip	2
Adhesive Tape Roll	1
Alcohol Preps	6
Betadine Swabs	4
Tourniquet (elastic band)	2

Razor	1
Adhesive Tape	1
14 Gauge IV Catheter	2
16 Gauge IV Catheter	2
18 Gauge IV Catheter	2
20 Gauge IV Catheter	2
10 cc Syringe	2
5 cc Syringe	2
1cc TB Syringe	2
18 Gauge Needle	4
21 Gauge Needle	2
25 Gauge Needle	2
<b>Special Event Paramedic (Motorized Response)</b>	
<b>Medications</b>	
<b>Supply Name</b>	<b>Minimum Quantity</b>
Albuterol	20 mg
Amiodarone	450 mg
Lidocaine	100 mg
Chewable Aspirin	648 mg
Atropine Sulfate	2 mg
Dextrose 10% 25g in 250 ml bag	25 g
Diphenhydramine	100 mg
Epinephrine 1:10,000	3 mg
Epinephrine 1:1000	4 mg
Glucagon 1mg/unit	1 mg
Midazolam	20 mg
Morphine Sulfate	40 mg
Naloxone	2 mg
Nitroglycerine 1/150 gr (pills or spray)	1 bottle
Saline 0.9% IV (may be 250/500 cc Bags)	1000 cc
Oral Glucose	24 gm
Oxygen D Tank (minimum at 500 PSI)	1

<b>Miscellaneous</b>	
<b>Supply Name</b>	<b>Minimum Quantity</b>
Sharps Container	1
Lockable Narcotic Storage Container	1
Pack Inventory Sheet	1
PCR	6
Biohazard Bag	2
Nitrile Gloves (S, M, L, XL)	10 each size
Pad for Writing	1
Trauma Shears	1
<b>Special Event Paramedic (Motorized Response)</b>	
<b>Patient Assessment</b>	
Stethoscope	1
Adult Blood Pressure Cuff	1
Digital Thermometer	1

**Supply Schedule E: Special Event Paramedic**

<b>Trauma Care</b>	
<b>Supply Name</b>	<b>Minimum Quantity</b>
Bandage, Sterile 4x4	6
Cervical Collar - Adjustable Adult & Pediatrics	1
Dressing, Multi-Trauma	4
Cold Pack	3
Eye Wash (bottle)	1
Elastic Bandages (each)	2
4.5" Kling Bandage- Sterile	2
Triangular Dressing with Pin	2
Sheet, Burn or Equivalent	2
Splint Moldable	1
1 Inch Cloth Tape (roll)	2
Occlusive Dressing or Chest Seal	2
Triage Tags	6
Space Blanket	2
Small Adhesive Bandages	12
Traction Splint	1
Windlass Tourniquet	1
Quick Clot or Celox Hemostatic Gauze	Optional
<b>Airway</b>	
Cuffed ET Tubes (sizes 6, 7, 8 with stylet)	1 each size
ET Tube Introducer (Bougie)	1
LMA Supreme (sizes 3, 4, 5)	1 each size
Mac Blade (sizes 0-4)	1
Miller Blade (sizes 0-4)	1
Intubation handle	1
ETT Restraint	1
ETCO2 Detector	1
ETT Verification Device	1
Needle Thoracotomy Kit	1



<b>Special Event Paramedic</b>	
<b>Supply Name</b>	<b>Minimum Quantity</b>
Nasal Pharyngeal Airways (sizes 30, 32, 34, 36)	1 each size
Bag Valve Mask (adult and pediatric)	1 each size
Manual Suction Device	1
Nasal Cannula (adult and pediatric)	1 each size
Non-Rebreather Mask (adult & pediatric)	1 each size
County approved CPAP (S, M, L)	1 each size
Hand Held Nebulizer	1
Needle Thoracostomy Kit	1
<b>Biomedical Equipment</b>	
Compact AED	1
AED Defib Patches (adult and pediatric)	2
Glucometer, lancets, and test strips	1
EKG Gel Electrodes (latex-free)	20
<b>IV/Medication Admin Supplies</b>	
IV Administration Set-Macro-Drip	2
Adhesive Tape Roll	1
Alcohol Preps	6
Betadine Swabs	4
Tourniquet (elastic band)	2
Razor	1
Adhesive Tape	1
14, 16, 18 and Gauge IV Catheter	2 each
10 cc Syringe	2
5 cc Syringe	2
1cc TB Syringe	2
18 Gauge Needle	4
21 Gauge Needle	2
25 Gauge Needle	2

**Supply Schedule E: Special Event Paramedic (continued)**

<b>Medications</b>	
<b>Supply Name</b>	<b>Minimum Quantity</b>
Albuterol	20 mg
Amiodarone	450 mg
Lidocaine	100 mg
Chewable Aspirin	648 mg
Atropine Sulfate	2 mg
Dextrose 10% 25g in 250 ml bag	25 g
Diphenhydramine	100 mg
Epinephrine 1:10,000	3 mg
Epinephrine 1:1000	4 mg
Glucagon 1mg/unit	1 mg
Midazolam	20 mg
Morphine Sulfate	40 mg
Naloxone	2 mg
Nitroglycerine 1/150 gr (pills or spray)	1 bottle
Saline 0.9% IV (may be 250/500 cc bags)	1000 cc
Oral Glucose	24 gm
Oxygen B Tank (minimum at 500 PSI)	1
<b>Miscellaneous</b>	
Sharps Container	1
Lockable Narcotic Storage Container	1
Pack Inventory Sheet	1
PCR	6
Biohazard Bag	2
Nitrile Gloves (S, M, L, XL)	10 each size
Pad for Writing	1
Trauma Shears	1
Stethoscope	1
Adult Blood Pressure Cuff	1
Digital Thermometer	1