

Sample

**Minimum Required Advanced Life Support (ALS)  
Advanced Practice Paramedic (APP) Ambulance Equipment  
and Stock for a licensed emergency response APP  
Ambulance or Response Unit.**

By

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## **Regulatory Statement**

The following represents the minimum required equipment and supplies for an Advanced Life Support (ALS) Advanced Practice Paramedic (APP) Ambulance or response unit responding to emergency medical response calls dispatched by government or private emergency dispatch or call center in the jurisdiction of the agency having jurisdiction (AHJ).

All APP ambulances or response units must have the following equipment and supplies onboard their ambulance.

The agency having jurisdiction (AHJ) may inspect any ambulance or response unit in its jurisdiction, without prior notice or warning, at anytime during any day or the year. Upon inspection, finding deficits, the AHJ may prohibit the vehicle and crew from responding to any ambulance requests or transporting patients in any manner within the jurisdiction, until the deficits are resolved to the AHJ's satisfaction.

Ambulance service providers, whether government or private, must have a method for resupply of the required items within 30 minutes of need.

At a minimum, ambulance service providers, whether government or private, should utilize diesel fuel, Type I ambulances for APP Ambulances. Ambulances must meet International Standards Organization (ISO) or USDOT standards for vehicle design, construction, and performance.

## **AP Ambulance Equipment and Inventory Requirements:**

All AP Ambulances under the AHJ will have the following equipment and supplies aboard. All APP Ambulances will contain all required items for a BLS Ambulance in addition to the following specific requirements for the APP level.

### **APP Diagnostic Equipment:**

Item:	Number:
Zoll X Series ( <i>or equivalent</i> ) Monitor/Defibrillator in carry case, able to defibrillate, synchronized cardiovert, and transcutaneous pace that is equipped with 12 lead ECG, SpO2, EtCO2, NIBP; stocked with (2) adult pad set, (1) pediatric pad set, (48) ECG electrodes, (4) Microstream Advance Adult/Pediatric Intubated CO2 Filter Line, (4) Microstream Advance Adult Oral-Nasal CO2 Filter Line, (2) Microstream Advance Pediatric Oral-Nasal CO2 Filter Line, (1) SpO2 probe, (3) BP cuff (Peds, Regular, and XL), charging cable, and (1) extra battery in carry case and able to interface with patient care record system.	1
Monitor/Defibrillator mount in patient care area of ambulance, adjacent to patient, for use during transport.	1
Ultrasound Device in case with a minimum of a high frequency linear and low frequency curved probe; equipped to interface with patient care record system.	1
I-STAT 1 portable blood analysis system ( <i>or equivalent</i> )	
Syringe Driver (Syringe Pump) for up to 60ml syringe on mount in ambulance.	1

Note: *All diagnostic equipment should be stored in the response vehicle in a manner allowing each item to always be on charge. The vehicle must also have an inverter which allows charging to 110-220v medical equipment, and the vehicle should be plugged in when off at stations.*

**APP Blood Product and Equipment:**

Item	Number
Unit 'O' Whole Blood	2
Blood warmer and administration system	1
Blood Administration Tubing and Set	2
Plug in blood cooler unit for blood products	1

Note: *Blood Product Cooler should be stored in the response vehicle in a manner allowing unit to be charged and temperature always controlled.*

**APP Ambulance Stock (in unit cabinets, compartments, and shelves)**

This equipment and supply list is in addition to the BLS Ambulance supply and equipment list, which should also be present on the APP ambulance.

Item	Quantity
Airway: Chest Tube Kit Adult/Pediatric (in sterile packaging: 9" Pean Forceps, 24fr Chest Tube, 14fr Chest Tube, Towel Clamp, Collection bag, 25g Needle, Lidocaine 1%, Chlorhexidine prep, #10 Scalpel, Operating Scissors with sharp/sharp tip, Chest Drain Valve)	2
Airway: Cricothyroidotomy Kit (in sterile packaging containing: Operating Scissors with sharp/sharp tip 5.5 inch, 6.0 Endotracheal tube, 4.0 Endotracheal Tube, Endotracheal tube Inducer - Pediatric, 10 mL syringe, Chlorhexidine prep)	1
Airway: Endotracheal Tube 3.0 - Curaplex® Cuffed Endotracheal Tube without Stylet, Size 3mm (or equivalent)	2
Airway: Endotracheal Tube 3.5 - Curaplex® Cuffed Endotracheal Tube without Stylet, Size 3.5mm (or equivalent)	2
Airway: Endotracheal Tube 4.0 - Curaplex® Cuffed Endotracheal Tube without Stylet, Size 4mm (or equivalent)	2
Airway: Endotracheal Tube 4.5 - Curaplex® Cuffed Endotracheal Tube without Stylet, Size 4.5mm (or equivalent)	2
Airway: Endotracheal Tube 5.0 - Rusch® Safety Clear® Cuffed Endotracheal Tube, 5mm ID (or equivalent)	2
Airway: Endotracheal Tube 5.5 - Rusch® Safety Clear® Cuffed Endotracheal Tube, 5.5 mm ID (or equivalent)	2
Airway: Endotracheal Tube 6.0 - Rusch® Safety Clear® Cuffed Endotracheal Tube, 6mm ID (or equivalent)	4
Airway: Endotracheal Tube 6.5 - Rusch® Safety Clear® Cuffed Endotracheal Tube, 6.5mm ID (or equivalent)	4
Airway: Endotracheal Tube 7.0 - Rusch® Safety Clear® Cuffed Endotracheal Tube, 7mm ID (or equivalent)	4
Airway: Endotracheal Tube 7.5 - Rusch® Safety Clear® Cuffed Endotracheal Tube, 7.5mm ID (or equivalent)	4
Airway: Endotracheal Tube 8.0 - Rusch® Safety Clear® Cuffed Endotracheal Tube, 8mm ID (or equivalent)	2

Airway: Endotracheal Tube 8.5 - Rusch® Safety Clear® Cuffed Endotracheal Tube, 8.5mm ID (or equivalent)	1
Airway: Endotracheal Tube Introducer, Pediatric, Coudé Tip, 10FR x 70cm	2
Airway: Flexible Tip Bougie, Steerable Tip Intubation Guide	4
Airway: Magill Forceps, Adult	1
Airway: Magill Forceps, Child	1
Airway: Syringe Luer-Lok™, 10mL (or equivalent)	4
Airway: Thomas ET Tube Holder, Adult, Blue (or equivalent)	4
Airway: Thomas ET Tube Holder, Pediatric, Pink (or equivalent)	2
Airway: Video Laryngoscope: VL with pediatric and adult blade and charging cable (i.e., Rowan Inc System) (or equivalent)	1
AP Response Kit	1
Capnography: Curaplex® EtCO2 Sampling Line with Airway Adapter Intubated, Adult and Pediatric, 7ft Tubing (or equivalent)	4
Capnography: Curaplex® EtCO2/O2 Oral-Nasal Cannula with Universal Connector – Adult (or equivalent)	6
Capnography: Curaplex® EtCO2/O2 Oral-Nasal Cannula with Universal Connector, Pediatric (or equivalent)	2
CPAP: Deluxe CPAP Masks with Straight Connector, 2 Mask Ports, Head Harness, Large Adult (or equivalent)	1
CPAP: Deluxe CPAP Masks with Straight Connector, 2 Mask Ports, Head Harness, Medium/Small Adult (or equivalent)	1
CPAP: Deluxe CPAP Masks with Straight Connector, 2 Mask Ports, Head Harness, Small/Child (or equivalent)	1
CPAP: Oxygen Powered Disposable CPAP System – Adult Large	1
CPAP: Oxygen Powered Disposable CPAP System – Adult Medium	1
IO Supplies: EZ-IO Adult Needle - 25mm (or equivalent)	2
IO Supplies: EZ-IO Large Adult Needle - 45mm (or equivalent)	1
IO Supplies: EZ-IO Pediatric Needle - 15mm (or equivalent)	1
IO Supplies: IO Driver, EZ-IO G3 Power Driver (or equivalent)	1
IV Supplies: 12-gauge x 3 inch IV Catheter, BD Angiocath Special IV Catheter 12 ga. x 3" (or equivalent)	2
IV Supplies: 14-gauge IV catheter, Curaplex® CuraSafe BC Safety IV Catheter with Blood Control, 14ga x 1.75in, Orange (or equivalent)	10
IV Supplies: 14-gauge x 3 inch IV Catheter, BD Angiocath Special IV Catheter 14 ga. x 3" (or equivalent)	2
IV Supplies: 16-gauge IV catheter, Curaplex® CuraSafe BC Safety IV Catheter with Blood Control, 16ga x 1.16in, Gray (or equivalent)	10
IV Supplies: 16-gauge x 3 inch IV Catheter, Angiocath™ 16 Gauge 3-1/4 Inch FEP Polymer Straight Hub Non Blood Control Non-Safety (or equivalent)	2
IV Supplies: 18-gauge IV catheter, Curaplex® CuraSafe BC Safety IV Catheter with Blood Control, 18ga x 1.88in, Green (or equivalent)	10
IV Supplies: 18-gauge x 3 inch IV Catheter,	2

IV Supplies: 20-gauge IV catheter, Curaplex® CuraSafe BC Safety IV Catheter with Blood Control, 20ga x 1.16in, Pink (or equivalent)	10
IV Supplies: 22-gauge IV catheter, Curaplex® CuraSafe BC Safety IV Catheter with Blood Control, 22ga x 1in, Blue (or equivalent)	4
IV Supplies: 24-gauge IV catheter, Curaplex® CuraSafe BC Safety IV Catheter with Blood Control, 24ga x 0.75in, Yellow (or equivalent)	4
IV Supplies: 3-Way Stopcock, 0.26mL, Spin-lock Connector	4
IV Supplies: CU Medical Dial-A-Flo™ Macroboore IV Extension Set, (1) Pre-pierced Y-Site, 18in (or equivalent)	4
IV Supplies: Curaplex® Infu-Stat™ Pressure Infuser, 1000mL (or equivalent)	2
IV Supplies: Curaplex® IV Administration Set, 10 Drop, Non-vented, (1) Pre-Pierced Y-Site, (1) Sure-Lok® Needle-Free Y-Site, 83in (or equivalent)	20
IV Supplies: Curaplex® IV Extension Set, (1) Removable Sure-Lok® Needle-free Connector, 8in (or equivalent)	4
IV Supplies: Curaplex® IV Start Kit with IV Guard, Specimen Bag, Tourniquet, Extension Set and Flush Syringe (or equivalent)	20
Lab: Abbott 03P88-25 - i-STAT CG8+ Test Cartridge, for Sodium, Potassium, Ionized Calcium, Glucose, Hemocrit, Hemoglobin, pH, PCO2, PO2, TCO2, HCO3, Base Excess, sO225/BX (stored in blood cooler) (or equivalent)	4
Lab: Abbott 03P90-25 i-STAT Troponin I Test Cartridge (stored in blood cooler) (or equivalent)	4
Lab: Abbott 03P93-25 i-STAT BNP Test Cartridge (stored in blood cooler) (or equivalent)	1
Monitor/Defibrillator: Stat-Padz® Multi-function Electrodes, For Zoll R Series, M Series, X Series and E Series (or equivalent)	4
Needle: 18-gauge straight needle, Hypodermic Needle-Pro® w/ Safety, Orange, 18G x 1-1/2in (or equivalent)	5
Needle: 25-gauge straight needle, Hypodermic Needle-Pro® w/ Safety, 25ga x 1in (or equivalent)	5
Needle: Filter needle, Filter Needle, 5μ, 19ga x 1-1/2in L	5
Needle: Needleless Vial Access Cannula, BD Interlink™ Vial Access Cannula, 15ga (or equivalent)	25
Pharmaceutical: Acyclovir for Injection 50 mg/mL Single-Dose Vials 10 mL	2
Pharmaceutical: Adenosine 6mg /2ml vial	4
Pharmaceutical: Adrenalin (Epinephrine) 1mg/mL (1:1000), 1mL Vial	2
Pharmaceutical: Amiodarone, 50mg/mL, 3mL Vial	4
Pharmaceutical: AMSafe® Pre-filled Normal Saline, IV Flush Syringe, 10mL (or equivalent)	20
Pharmaceutical: Aspirin 81mg chewable tablet	20
Pharmaceutical: Atropine, 0.1mg/mL, 10mL Luer Jet Prefilled Syringe	4
Pharmaceutical: Calcium Chloride, 100mg/mL, 10mL Luer Jet Prefilled Syringe	2
Pharmaceutical: Calcium Gluconate, 100mg/mL, 10mL Vial	2
Pharmaceutical: Ceftriaxone, 2g Vial	4
Pharmaceutical: Clopidogrel, 75mg Tablets	8
Pharmaceutical: Dexamethasone 4mg/mL, 1mL Vial	2

Pharmaceutical: Dextrose 50%, 0.5g/mL, 50mL Prefilled Syringe	2
Pharmaceutical: Diphenhydramine 50mg/mL, 1ml Vial	2
Pharmaceutical: Dobutamine, 12.5mg/mL, 20mL Vial	2
Pharmaceutical: Epinephrine 0.1mg/mL (1:10,000), 10mL Luer-Jet™ Prefilled Syringe	8
Pharmaceutical: Fentanyl, 0.05mg/mL, 10mL Vial (Schedule II narcotic)	2
Pharmaceutical: Furosemide, 40mg/4mL, Vial	3
Pharmaceutical: Glucagon Kit, Glucagon 1mg, Sterile Water 1mL, Vial	5
Pharmaceutical: Haloperidol, 5mg/mL, 1mL Vial	2
Pharmaceutical: Heparin Sodium, 5000units/mL, 1mL Vial	2
Pharmaceutical: Hydrocortisone 100mg 2mL vial	2
Pharmaceutical: Hypertonic Saline, Sodium Chloride 3%, 500mL Bag	2
Pharmaceutical: Insulin: Humulin® R Human Insulin Injection 100 U/mL, Multi Dose Vial 10 mL (kept with blood)	2
Pharmaceutical: Ipratropium Bromide, 0.5mg/2.5mL, 2.5mL Vial	2
Pharmaceutical: Ketamine, 50mg/mL, 10mL Vial (Schedule III non-narcotic substance)	4
Pharmaceutical: Lactated Ringers, 1000mL Bag (or other high SID IV fluid)	20
Pharmaceutical: Lidocaine 2%, 100mg/5mL, 5mL Luer-Jet™ Luer-Lock Prefilled Syringe	2
Pharmaceutical: Lorazepam, 2mg/mL, 1mL Vial (Schedule IV controlled substance)	6
Pharmaceutical: Magnesium Sulfate 50%, 500mg/mL, 10mL Vial	2
Pharmaceutical: Metoprolol, 5mg/5mL, Vial	4
Pharmaceutical: Naloxone, 1mg/mL, 2mL Luer-Jet™ Luer-Lock Prefilled Syringe	8
Pharmaceutical: Nitroglycerin Lingual, 4.9gm, Pump spray (60 metered doses)	1
Pharmaceutical: Nitroglycerin, 50mg/250mL, in 5% Dextrose, 250mL Glass Bottle	2
Pharmaceutical: Norepinephrine, 4mg/4mL, Vial	2
Pharmaceutical: Ondansetron, 4mg/2mL, Vial	4
Pharmaceutical: Oxytocin, 10usp/1mL, Vial	3
Pharmaceutical: Rocuronium, 10mg/mL, 10mL Vial	4
Pharmaceutical: Sodium Bicarbonate 8.4%, 1mEq/mL, 50mL Luer Jet Prefilled Syringe	2
Pharmaceutical: Succinylcholine Chloride, 200mg/10mL, Vial	4
Pharmaceutical: Thiamine, 100mg/mL, 2mL Vial	2
Pharmaceutical: Tranexamic Acid, 100mg/mL, 10mL Vial	4
Pharmaceutical: Ventolin/Albuterol 0.083%, 2.5mg/3mL, Inhalation	10

PPE: Sharps Container: Curaplex® Sharps Solo, Compact Size, 6.5in (or equivalent)	5
Suction: Nasogastric Sump Tube, Standard, 10F, 36in	4
Suction: Nasogastric Sump Tube, Standard, 14F, 48in	4
Syringe Driver Tubing: Perfusor Set PE Clear LL 200cm (or equivalent)	10
Syringe Driver: B. Braun Medical Perfusor Space Infusion Pump System (or equivalent)	1
Syringe: 1 ml Syringe Luer lock tip, Exel Syringe, 1ML, TB, Luer Lock (or equivalent)	10
Syringe: 10 ml Syringe Luer lock tip, Luer Lock Tip Hypodermic Syringe without Needle, 10cc	10
Syringe: 20 ml Syringe Luer lock tip, Luer Lock Tip Hypodermic Syringe without Needle, 20cc	10
Syringe: 5 ml Syringe Luer lock tip, Luer Lock Tip Hypodermic Syringe without Needle, 5cc	10
Syringe: 50 ml Syringe Luer lock tip, Luer Lock Tip Syringe without Needle, 50mL	5
Syringe: 60 ml Syringe Luer lock tip, Luer Lock Tip Hypodermic Syringe without Needle, 60cc	2
Ultrasound: Ultrasound Gel Sterile, Aquasonic 100, 20g Over Wrapped Foil (or equivalent)	20
Urinary Catheter: CR Bard Surestep Pediatric Foley Trays - SureStep Pediatric Foley Tray, 8 Fr, 350 mL, 48" - A942208 (or equivalent)	1
Urinary Catheter: Erase Cauti 1-layer Foley Tray 14FR with Drainage (or equivalent)	1
Ventilator: Z Vent® portable ventilator Single Limb Patient Ventilator Circuit, 6ft, Adult (or equivalent)	4

### **AP Response Pack or Kit(s):**

The APP Response Pack is designed to allow the APP to initiate and sustain treatment for a patient, when away from the APP Ambulance for a short period of time, when combined with their monitor/defibrillator, oxygen bottle, iStat, and ultrasound devices, which are packed in their own packs.

<i>AP Response Pack:</i>	Quantity
Airway: Chest Tube Kit Adult/Pediatric (in sterile packaging: 9" Pean Forceps, 24fr Chest Tube, 14fr Chest Tube, Towel Clamp, Collection bag, 25g Needle, Lidocaine 1%, Chlorhexidine prep, #10 Scalpel, Operating Scissors with sharp/sharp tip, Chest Drain Valve, 2" Tape):	1
Airway: Cricothyroidotomy Kit (in sterile packaging containing: Operating Scissors with sharp/sharp tip 5.5 inch, 6.0 Endotracheal tube, 4.0 Endotracheal Tube, Endotracheal tube Inducer - Pediatric, 10 mL syringe, Chlorhexidine prep)	1
Airway: Endotracheal Tube 3.0	1
Airway: Endotracheal Tube 3.5	1
Airway: Endotracheal Tube 4.0	1
Airway: Endotracheal Tube 4.5	1
Airway: Endotracheal Tube 5.0	1
Airway: Endotracheal Tube 5.5	1

Airway: Endotracheal Tube 6.0	1
Airway: Endotracheal Tube 6.5	2
Airway: Endotracheal Tube 7.0	2
Airway: Endotracheal Tube 7.5	1
Airway: Endotracheal Tube 8.0	1
Airway: Endotracheal Tube Introducer, Pediatric	1
Airway: Flexible Tip Bougie, Steerable Tip Intubation Guide	1
Airway: Magill Forceps, Adult	1
Airway: Magill Forceps, Child	1
Airway: Syringe 10mL	1
Airway: Thomas ET Tube Holder, Adult, Blue (or equivalent)	1
Airway: Thomas ET Tube Holder, Pediatric, Pink (or equivalent)	1
Airway: Video Laryngoscope: VL with pediatric and adult blade and charging cable	1
Capnography: EtCO2 Sampling Line with Airway Adapter Intubated, Adult and Pediatric, 7ft Tubing	1
Capnography: EtCO2/O2 Oral-Nasal Cannula with Universal Connector - Adult	1
Capnography: EtCO2/O2 Oral-Nasal Cannula with Universal Connector, Pediatric	1
IO Supplies: Adult Needle - 25mm	1
IO Supplies: Large Adult Needle - 45mm	1
IO Supplies: Pediatric Needle - 15mm	1
IO Supplies: IO Driver	1
IV Supplies: 12-gauge x 3 inch IV Catheter	1
IV Supplies: 14-gauge IV catheter	2
IV Supplies: 14-gauge x 3 inch IV Catheter	1
IV Supplies: 16-gauge IV catheter	2
IV Supplies: 16-gauge x 3 inch IV Catheter	1
IV Supplies: 18-gauge IV catheter	2
IV Supplies: 18-gauge x 3 inch IV Catheter	1
IV Supplies: 20-gauge IV catheter	2
IV Supplies: 22-gauge IV catheter	2
IV Supplies: 24-gauge IV catheter	2
IV Supplies: 3-Way Stopcock, 0.26mL, Spin-lock Connector	2

IV Supplies: Dial-A-Flo™ Macrobore IV Extension Set, (1) Pre-pierced Y-Site, 18in (or equivalent)	1
IV Supplies: Pressure Infuser, 1000mL	1
IV Supplies: IV Administration Set, 10 Drop, Non-vented, (1) Pre-Pierced Y-Site, (1) Sure-Lok® Needle-Free Y-Site, 83in	2
IV Supplies: IV Extension Set, (1) Removable Sure-Lok® Needle-free Connector, 8in	2
IV Supplies: IV Start Kit with IV Guard, Specimen Bag, Tourniquet, Extension Set and Flush Syringe	4
Needle: 18-gauge straight needle	1
Needle: 25-gauge straight needle	1
Needle: Filter Needle, 5μ, 19ga x 1-1/2in L	1
Needle: Needleless Vial Access Cannula 15ga	10
Pack Organizer: Divided Organizer Pocket	3
Pack Organizer: MEDCORE-1 medication organizer (or equivalent)	1
Pack Organizer: Tactical SCRAM Bag (or equivalent)	1
Pack: Conterra ALS Extreme Pack (or equivalent) or hard case(s) (or equivalent)	1
Pharmaceutical: Adenosine 6mg /2ml vial	2
Pharmaceutical: Adrenalin (Epinephrine) 0.1mg/mL (1:10,000), 10mL Prefilled Syringe	3
Pharmaceutical: Adrenalin (Epinephrine) 1mg/mL (1:1000), 1mL Vial	1
Pharmaceutical: Amiodarone, 50mg/mL, 3mL Vial	2
Pharmaceutical: AMSafe® Pre-filled Normal Saline, IV Flush Syringe, 10mL (or equivalent)	4
Pharmaceutical: Aspirin 81mg chewable tablet	4
Pharmaceutical: Atropine, 0.1mg/mL, 10mL Luer Jet Prefilled Syringe	1
Pharmaceutical: Calcium Chloride, 100mg/mL, 10mL Luer Jet Prefilled Syringe	1
Pharmaceutical: Calcium Gluconate, 100mg/mL, 10mL Vial	1
Pharmaceutical: Ceftriaxone, 2g Vial	1
Pharmaceutical: Clopidogrel, 75mg Tablets	4
Pharmaceutical: Dexamethasone 4mg/mL, 1mL Vial	1
Pharmaceutical: Dextrose 50%, 0.5g/mL, 50mL Prefilled Syringe	1
Pharmaceutical: Diphenhydramine 50mg/mL, 1ml Vial	1
Pharmaceutical: Dobutamine, 12.5mg/mL, 20mL Vial	1
Pharmaceutical: Fentanyl, 0.05mg/mL, 10mL Vial (Schedule II narcotic)	1
Pharmaceutical: Furosemide, 40mg/4mL, Vial	1

Pharmaceutical: Glucagon Kit, Glucagon 1mg, Sterile Water 1mL, Vial	1
Pharmaceutical: Haloperidol, 5mg/mL, 1mL Vial	2
Pharmaceutical: Heparin Sodium, 5000units/mL, 1mL Vial	1
Pharmaceutical: Hydrocortisone 100mg 2mL vial	1
Pharmaceutical: Hypertonic Saline, Sodium Chloride 3%, 500mL Bag	1
Pharmaceutical: Ipratropium Bromide, 0.5mg/2.5mL, 2.5mL Vial	1
Pharmaceutical: Ketamine, 50mg/mL, 10mL Vial (Schedule III non-narcotic substance)	2
Pharmaceutical: Lactated Ringers, 1000mL Bag (or other high SID IV fluid)	4
Pharmaceutical: Lidocaine 2%, 100mg/5mL, 5mL Luer-Jet™ Luer-Lock Prefilled Syringe	2
Pharmaceutical: Lorazepam, 2mg/mL, 1mL Vial (Schedule IV controlled substance)	2
Pharmaceutical: Magnesium Sulfate 50%, 500mg/mL, 10mL Vial	1
Pharmaceutical: Metoprolol, 5mg/5mL, Vial	1
Pharmaceutical: Naloxone, 1mg/mL, 2mL Luer-Jet™ Luer-Lock Prefilled Syringe	4
Pharmaceutical: Nitroglycerin Lingual, 4.9gm, Pump spray (60 metered doses)	1
Pharmaceutical: Nitroglycerin, 50mg/250mL, in 5% Dextrose, 250mL Glass Bottle	1
Pharmaceutical: Norepinephrine, 4mg/4mL, Vial	1
Pharmaceutical: Ondansetron, 4mg/2mL, Vial	2
Pharmaceutical: Oxytocin, 10usp/1mL, Vial	1
Pharmaceutical: Rocuronium, 10mg/mL, 10mL Vial	1
Pharmaceutical: Sodium Bicarbonate 8.4%, 1mEq/mL, 50mL Luer Jet Prefilled Syringe	1
Pharmaceutical: Succinylcholine Chloride, 200mg/10mL, Vial	2
Pharmaceutical: Thiamine, 100mg/mL, 2mL Vial	1
Pharmaceutical: Tranexamic Acid, 100mg/mL, 10mL Vial	1
Pharmaceutical: Ventolin/Albuterol 0.083%, 2.5mg/3mL, Inhalation	4
PPE: Sharps Container: Curaplex® Sharps Solo, Compact Size, 6.5in	2
Suction: LCSU 4 (Laerdal Compact Suction Unit), 300ml (or equivalent)	1
Suction: LCSU 4 Suction Canister with Tubing, 300mL (or equivalent)	1
Suction: Nasogastric Sump Tube, Standard, 10F, 36in	1
Suction: Nasogastric Sump Tube, Standard, 14F, 48in	1
Syringe: 1 ml Syringe Luer lock tip, Exel Syringe, 1ML, TB, Luer Lock	2
Syringe: 10 ml Syringe Luer lock tip, Luer Lock Tip Hypodermic Syringe without Needle, 10cc	2

Syringe: 20 ml Syringe Luer lock tip, Luer Lock Tip Hypodermic Syringe without Needle, 20cc	2
Syringe: 5 ml Syringe Luer lock tip, Luer Lock Tip Hypodermic Syringe without Needle, 5cc	2
Syringe: 50 ml Syringe Luer lock tip, Luer Lock Tip Syringe without Needle, 50mL	1
Ventilator: Z Vent® portable ventilator Single Limb Patient Ventilator Circuit, 6ft, Adult (or equivalent)	1

## **Advanced Paramedic Rapid Response Unit (APRRU) Equipment and Inventory**

### **Requirements under this plan:**

The APRRU is a two person rapid response unit (1, APP and 1, Emergency Responder), the vehicle may be a Ford Police Interceptor Utility vehicle (or equivalent) equipped as an APRRU with EMS markings. The unit should be equipped for APP use, with APP equipment secured in back of vehicle on slide out tray with charging system for medical equipment installed in tray and vehicle equipped with high output alternator and double battery system.

To provide patient care documentation, the APRRU will have a Computer Tablet in rugged case with Electronic Medical Record System and bar code system installed.

For the purposes of the AHJ, all APRRU under the AHJ will have the following equipment aboard, in addition to the minimum standards required for a non-transporting emergency response vehicle. APRRU will carry the following AP Diagnostic Equipment, AP Blood Product and Equipment, AP Response Pack, and PPE kit.

The APRRU may transfer their equipment to a BLS Ambulance to transport a critical patient, when no APP Ambulance is available.

### **APRRU Diagnostic and Care Delivery Equipment:**

Item:	Number:
Zoll X Series ( <i>or equivalent</i> ) Monitor/Defibrillator in carry case, able to defibrillate, synchronized cardiovert, and transcutaneous pace that is equipped with 12 lead ECG, SpO2, EtCO2, NIBP; stocked with (2) adult pad set, (1) pediatric pad set, (48) ECG electrodes, (4) Microstream Advance Adult/Pediatric Intubated CO2 Filter Line, (4) Microstream Advance Adult Oral-Nasal CO2 Filter Line, (2) Microstream Advance Pediatric Oral-Nasal CO2 Filter Line, (1) SpO2 probe, (3) BP cuff (Peds, Regular, and XL), charging cable, and (1) extra battery in carry case and able to interface with patient care record system.	1
Mechanical CPR Device (i.e., Zoll Autopulse Chest Compression System with Lifeband, Battery and Carry Case)	1
Ultrasound Device in case with a minimum of a high frequency linear and low frequency curved probe; equipped to interface with patient care record system.	1
I-STAT 1 portable blood analysis system ( <i>or equivalent</i> )	
Syringe Driver (Syringe Pump) for up to 60ml syringe with (5) tubing sets in device case.	1

Note: *All diagnostic equipment should be stored in the response vehicle in a manner allowing each item to always be on charge. The vehicle must also have an inverter which allows charging to 110-220v medical equipment, and the vehicle should be plugged in when off at stations.*

### **APRRU Blood Product, Cooler, and Equipment:**

Item	Number
Unit 'O' Whole Blood	2
Blood warmer and administration system	1
Blood Administration Tubing and Set	2

Plug in blood cooler unit for blood products	1
Lab: Abbott 03P88-25 - i-STAT CG8+ Test Cartridge, for Sodium, Potassium, Ionized Calcium, Glucose, Hemocrit, Hemoglobin, pH, PCO <sub>2</sub> , PO <sub>2</sub> , TCO <sub>2</sub> , HCO <sub>3</sub> , Base Excess, SO <sub>2</sub> 25/BX (stored in blood cooler) (or equivalent)	2
Lab: Abbott 03P90-25 i-STAT Troponin I Test Cartridge (stored in blood cooler) (or equivalent)	1
Lab: Abbott 03P93-25 i-STAT BNP Test Cartridge (stored in blood cooler) (or equivalent)	1
Pharmaceutical: Insulin: Humulin® R Human Insulin Injection 100 U/mL, Multi Dose Vial 10 mL (stored in blood cooler)	1

Note: *Blood Product Cooler should be stored in the response vehicle in a manner allowing unit to be charged and temperature always controlled.*

### **APRU Response Pack:**

The APRU Response Pack is designed to allow the APP to initiate and sustain treatment for a patient, when away from the APRU.

<i>AP Response Pack:</i>	Quantity
Airway: Chest Tube Kit Adult/Pediatric (in sterile packaging: 9" Pean Forceps, 24fr Chest Tube, 14fr Chest Tube, Towel Clamp, Collection bag, 25g Needle, Lidocaine 1%, Chlorhexidine prep, #10 Scalpel, Operating Scissors with sharp/sharp tip, Chest Drain Valve, 2" Tape):	1
Airway: Cricothyroidotomy Kit (in sterile packaging containing: Operating Scissors with sharp/sharp tip 5.5 inch, 6.0 Endotracheal tube, 4.0 Endotracheal Tube, Endotracheal tube Inducer - Pediatric, 10 mL syringe, Chlorhexidine prep)	1
Airway: Endotracheal Tube 3.0	1
Airway: Endotracheal Tube 3.5	1
Airway: Endotracheal Tube 4.0	1
Airway: Endotracheal Tube 4.5	1
Airway: Endotracheal Tube 5.0	1
Airway: Endotracheal Tube 5.5	1
Airway: Endotracheal Tube 6.0	1
Airway: Endotracheal Tube 6.5	2
Airway: Endotracheal Tube 7.0	2
Airway: Endotracheal Tube 7.5	1
Airway: Endotracheal Tube 8.0	1
Airway: Endotracheal Tube Introducer, Pediatric	1
Airway: Flexible Tip Bougie, Steerable Tip Intubation Guide	1
Airway: Magill Forceps, Adult	1
Airway: Magill Forceps, Child	1

Airway: Syringe 10mL	1
Airway: Thomas ET Tube Holder, Adult, Blue	1
Airway: Thomas ET Tube Holder, Pediatric, Pink	1
Airway: Video Laryngoscope: VL with pediatric and adult blade and charging cable	1
Capnography: EtCO2 Sampling Line with Airway Adapter Intubated, Adult and Pediatric, 7ft Tubing	1
Capnography: EtCO2/O2 Oral-Nasal Cannula with Universal Connector - Adult	1
Capnography: EtCO2/O2 Oral-Nasal Cannula with Universal Connector, Pediatric	1
IO Supplies: Adult Needle - 25mm	1
IO Supplies: Large Adult Needle - 45mm	1
IO Supplies: Pediatric Needle - 15mm	1
IO Supplies: IO Driver	1
IV Supplies: 12-gauge x 3 inch IV Catheter	1
IV Supplies: 14-gauge IV catheter	2
IV Supplies: 14-gauge x 3 inch IV Catheter	1
IV Supplies: 16-gauge IV catheter	2
IV Supplies: 16-gauge x 3 inch IV Catheter	1
IV Supplies: 18-gauge IV catheter	2
IV Supplies: 18-gauge x 3 inch IV Catheter	1
IV Supplies: 20-gauge IV catheter	2
IV Supplies: 22-gauge IV catheter	2
IV Supplies: 24-gauge IV catheter	2
IV Supplies: 3-Way Stopcock, 0.26mL, Spin-lock Connector	2
IV Supplies: Dial-A-Flo™ Macrobore IV Extension Set, (1) Pre-pierced Y-Site, 18in (or equivalent)	1
IV Supplies: Pressure Infuser, 1000mL	1
IV Supplies: IV Administration Set, 10 Drop, Non-vented, (1) Pre-Pierced Y-Site, (1) Sure-Lok® Needle-Free Y-Site, 83in (or equivalent)	2
IV Supplies: IV Extension Set, (1) Removable Sure-Lok® Needle-free Connector, 8in (or equivalent)	2
IV Supplies: IV Start Kit with IV Guard, Specimen Bag, Tourniquet, Extension Set and Flush Syringe	4
Needle: 18-gauge straight needle	1
Needle: 25-gauge straight needle	1
Needle: Filter Needle, 5μ, 19ga x 1-1/2in L	1

Needle: Needleless Vial Access Cannula 15ga	10
Pack Organizer: Divided Organizer Pocket	3
Pack Organizer: MEDCORE-1 medication organizer (or equivalent)	1
Pack Organizer: Tactical SCRAM Bag (or equivalent)	1
Pack: Conterra ALS Extreme Pack (or equivalent) or hard case(s) (or equivalent)	1
Pharmaceutical: Adenosine 6mg /2ml vial	2
Pharmaceutical: Adrenalin (Epinephrine) 0.1mg/mL (1:10,000), 10mL Prefilled Syringe	3
Pharmaceutical: Adrenalin (Epinephrine) 1mg/mL (1:1000), 1mL Vial	1
Pharmaceutical: Amiodarone, 50mg/mL, 3mL Vial	2
Pharmaceutical: AMSafe® Pre-filled Normal Saline, IV Flush Syringe, 10mL (or equivalent)	4
Pharmaceutical: Aspirin 81mg chewable tablet	4
Pharmaceutical: Atropine, 0.1mg/mL, 10mL Luer Jet Prefilled Syringe	1
Pharmaceutical: Calcium Chloride, 100mg/mL, 10mL Luer Jet Prefilled Syringe	1
Pharmaceutical: Calcium Gluconate, 100mg/mL, 10mL Vial	1
Pharmaceutical: Ceftriaxone, 2g Vial	1
Pharmaceutical: Clopidogrel, 75mg Tablets	4
Pharmaceutical: Dexamethasone 4mg/mL, 1mL Vial	1
Pharmaceutical: Dextrose 50%, 0.5g/mL, 50mL Prefilled Syringe	1
Pharmaceutical: Diphenhydramine 50mg/mL, 1ml Vial	1
Pharmaceutical: Dobutamine, 12.5mg/mL, 20mL Vial	1
Pharmaceutical: Fentanyl, 0.05mg/mL, 10mL Vial (Schedule II narcotic)	1
Pharmaceutical: Furosemide, 40mg/4mL, Vial	1
Pharmaceutical: Glucagon Kit, Glucagon 1mg, Sterile Water 1mL, Vial	1
Pharmaceutical: Haloperidol, 5mg/mL, 1mL Vial	2
Pharmaceutical: Heparin Sodium, 5000units/mL, 1mL Vial	1
Pharmaceutical: Hydrocortisone 100mg 2mL vial	1
Pharmaceutical: Hypertonic Saline, Sodium Chloride 3%, 500mL Bag	1
Pharmaceutical: Ipratropium Bromide, 0.5mg/2.5mL, 2.5mL Vial	1
Pharmaceutical: Ketamine, 50mg/mL, 10mL Vial (Schedule III non-narcotic substance)	2
Pharmaceutical: Lactated Ringers, 1000mL Bag (or other high SID IV fluid)	4
Pharmaceutical: Lidocaine 2%, 100mg/5mL, 5mL Luer-Jet™ Luer-Lock Prefilled Syringe	2

Pharmaceutical: Lorazepam, 2mg/mL, 1mL Vial (Schedule IV controlled substance)	2
Pharmaceutical: Magnesium Sulfate 50%, 500mg/mL, 10mL Vial	1
Pharmaceutical: Metoprolol, 5mg/5mL, Vial	1
Pharmaceutical: Naloxone, 1mg/mL, 2mL Luer-Jet™ Luer-Lock Prefilled Syringe	4
Pharmaceutical: Nitroglycerin Lingual, 4.9gm, Pump spray (60 metered doses)	1
Pharmaceutical: Nitroglycerin, 50mg/250mL, in 5% Dextrose, 250mL Glass Bottle	1
Pharmaceutical: Norepinephrine, 4mg/4mL, Vial	1
Pharmaceutical: Ondansetron, 4mg/2mL, Vial	2
Pharmaceutical: Oxytocin, 10usp/1mL, Vial	1
Pharmaceutical: Rocuronium, 10mg/mL, 10mL Vial	1
Pharmaceutical: Sodium Bicarbonate 8.4%, 1mEq/mL, 50mL Luer Jet Prefilled Syringe	1
Pharmaceutical: Succinylcholine Chloride, 200mg/10mL, Vial	2
Pharmaceutical: Thiamine, 100mg/mL, 2mL Vial	1
Pharmaceutical: Tranexamic Acid, 100mg/mL, 10mL Vial	1
Pharmaceutical: Ventolin/Albuterol 0.083%, 2.5mg/3mL, Inhalation	4
PPE: Sharps Container: Curaplex® Sharps Solo, Compact Size, 6.5 in	2
Suction: LCSU 4 (Laerdal Compact Suction Unit), 300ml (or equivalent)	1
Suction: LCSU 4 Suction Canister with Tubing, 300mL (or equivalent)	1
Suction: Nasogastric Sump Tube, Standard, 10F, 36in	1
Suction: Nasogastric Sump Tube, Standard, 14F, 48in	1
Syringe: 1 ml Syringe Luer lock tip, Exel Syringe, 1ML, TB, Luer Lock	2
Syringe: 10 ml Syringe Luer lock tip, Luer Lock Tip Hypodermic Syringe without Needle, 10cc	2
Syringe: 20 ml Syringe Luer lock tip, Luer Lock Tip Hypodermic Syringe without Needle, 20cc	2
Syringe: 5 ml Syringe Luer lock tip, Luer Lock Tip Hypodermic Syringe without Needle, 5cc	2
Syringe: 50 ml Syringe Luer lock tip, Luer Lock Tip Syringe without Needle, 50mL	1
Ventilator: Z Vent® portable ventilator Single Limb Patient Ventilator Circuit, 6ft, Adult (or equivalent)	1

### **APRRU BLS Response Pack:**

As the APRRU is not an ambulance, the APRRU crew will need basic EMT level supplies and equipment, the APRRU BLS response pack is mounted on a scoop stretcher.

<u>EMT Response Kit:</u>	Quantity
Airway: #1 I-gel O2 supraglottic airway	1
Airway: #1.5 I-gel O2 supraglottic airway	1
Airway: #2 I-gel O2 supraglottic airway	1
Airway: #2.5 I-gel O2 supraglottic airway	1
Airway: #3 I-gel O2 resus pack supraglottic airway	1
Airway: #4 I-gel O2 resus pack supraglottic airway	1
Airway: Oral airway set for adult and pediatric	1
Bandage: RHINO RESCUE 6" Israeli Style Emergency Bandage (or equivalent)	1
BVM: Ambu® Pediatric SPUR® II BVM Bag Reservoir, child mask, Toddler Mask, Pop-off Valve, Manometer, PEEP Valve (or equivalent)	1
BVM: VT Select™ BVM, Adult Mask, Manometer, PEEP Valve, Filter (or equivalent)	1
CPAP: Oxygen Powered Disposable CPAP System – Adult Large	1
CPAP: Oxygen Powered Disposable CPAP System – Adult Medium	1
Dressing: Hemostatic Clotting Agent, Adventure Medical Kits QuikClot Gauze 3" x 24" (2 Strips) (or equivalent)	1
Dressing: Hemostatic Injector System XSTAT® P30 (or equivalent)	1
Dressing: Kendall 6715 KERLIX 4.5 in x 4.1 yd Gauze Roll	1
Dressing: Medline Woven Gauze Sponges, Sterile, 12-Ply, 4 x 4 Inches, Box of 50 (or equivalent)	20
EtCO2/Oxygen: Curable® EtCO2/O2 Oral-Nasal Cannula with Universal Connector, Pediatric (or equivalent)	1
EtCO2/Oxygen: Curaplex® EtCO2/O2 Oral-Nasal Cannula with Universal Connector – Adult (or equivalent)	1
EtCO2: Curaplex® EtCO2 Sampling Line with Airway Adapter Intubated, Adult and Pediatric, 7ft Tubing (or equivalent)	1
Immobilizer/Stretcher: Scoop stretcher, Model 65 Scoop™ Stretcher with Nylon Straps and Metal Buckles, Orange Straps (or equivalent)	1
Immobilizer: Spider-Loop™ Immobilization Strap with Loop-Lock System (or equivalent)	1
Immobilizer: Extrication Collar, Curaplex® Extrication Collar, Adult, 8 Settings (or equivalent)	1
Immobilizer: Extrication Collar, Curaplex® Extrication Collar, Mini, 6 Settings (or equivalent)	1
Immobilizer: Head immobilization, Ambu® Head Wedge Head Immobilizers (or equivalent)	1
Oxygen: Oxygen Cylinder Tank, Aluminum, Toggle Valve, Size D	2
Oxygen: Oxygen Regulator, CGA 870 Standard, 0 to 25lpm, with Hose Barb and 1 DISS	1

Oxygen: Nasal Cannula Pediatric	1
Oxygen: Nebulizer with mask – Adult	1
Oxygen: Nebulizer with mask - pediatric	1
Oxygen: Non-rebreather mask - Adult	1
Oxygen: Non-rebreather mask - Adult	1
Oxygen: Non-rebreather mask - Pediatric	1
Pack Organizer: Deluxe Organizer	3
Pack Organizer: Divided Organizer Pocket	2
Pack: Conterra ALS Extreme Pack (or equivalent) or hard case(s) (or equivalent)	1
Patient Blanket: Emergency Foil Thermal Blanket	1
Patient Sheet: Curaplex® Flat Sheet, Fluid Resistant, 84in x 50in, Navy Blue	1
Patient Towel: Disposable Large Towel 32x16 inches	2
PPE Exam Gloves: Purple Nitrile® Exam Gloves (L) (or equivalent)	12
PPE Exam Gloves: Purple Nitrile® Exam Gloves (M) (or equivalent)	12
PPE Exam Gloves: Purple Nitrile® Exam Gloves (S) (or equivalent)	12
PPE Exam Gloves: Purple Nitrile® Exam Gloves (XL) (or equivalent)	12
PPE N95 Mask – Moldex N95 Disposable Healthcare Particulate Respirator & Surgical Mask, NIOSH Approved (or equivalent)	2
PPE Protective Gown: Medline Thumbs Up® Standard Polyethylene Isolation Gown, Regular/Large, Blue (or equivalent)	2
PPE Safety Glasses: Purity V20 Safety Glasses, Clear Anti-fog Lens (or equivalent)	2
Sphygmomanometer: Curaplex® Manual Reusable Sphygmomanometer, Large Adult (or equivalent)	1
Sphygmomanometer: Curaplex® Manual Reusable Sphygmomanometer, Adult (or equivalent)	1
Sphygmomanometer: Curaplex® Manual Reusable Sphygmomanometer, Child (or equivalent)	1
Splint: SAM Rolled Splint 36" (or equivalent)	1
Suction: Laerdal Compact Suction Unit 4 with 300ml Disposable Canister w Tubing (or equivalent)	1
Stethoscope: Adscope 603 Stethoscopes – Adult (or equivalent)	1
Stethoscope: Adscope 604 Stethoscopes – Pediatric (or equivalent)	1
Tape: 3M™ Transpore™ Surgical Tape, Clear, 10yd L x 1in W (or equivalent)	1
Thermometer: R 300 Non-Contact Infrared Thermometer FDA Approved (or equivalent)	1
Tourniquet: Tourniquets, Single-Handed Application Tactical Emergency Tourniquet	2
Tourniquet: SAM Junctional Tourniquet (or equivalent)	1

**APRRU PPE Kit:**

As the APRRU is not an ambulance, it will require its own personal protective equipment (PPE) stock, contained in a suitable duffle bag for use.

APRRU PPE Kit	Quantity
PPE: Biohazard Trash Liner, 3gal, 11in x 14.25in, 1.25mil Gauge	20
PPE: Cavicide Surface Disinfectant Wipes, 6in x 6.75in, Canister of 160 (or equivalent)	1
PPE: Clorox® Healthcare® Disinfectant and Deodorizer, 14oz Spray Can, Citrus Scent (or equivalent)	1
PPE: Emesis collection device: Curaplex® Emesis Bag, Standard, Thicker LDPE Material (or equivalent)	25
PPE: Exam Gloves, Purple Nitrile® Exam Gloves (L) (100/bx) (or equivalent)	2
PPE: Exam Gloves, Purple Nitrile® Exam Gloves (M) (100/bx) (or equivalent)	2
PPE: Exam Gloves, Purple Nitrile® Exam Gloves (S) (100/bx) (or equivalent)	2
PPE: Exam Gloves, Purple Nitrile® Exam Gloves (XL) (90/bx) (or equivalent)	2
PPE: Face Shield, Full Face Shield, 7-1/2in L x 11-7/8in W	2
PPE: N95 Mask, Moldex N95 Disposable Healthcare Particulate Respirator & Surgical Mask, NIOSH Approved (or equivalent)	25
PPE: Non-skid Polypropylene Shoe Cover, Blue, Regular	12
PPE: Non-skid Polypropylene Shoe Cover, Blue, XL	12
PPE: Protective Gown, Medline Thumbs Up® Standard Polyethylene Isolation Gown, Regular/Large, Blue (or equivalent)	2
PPE: Safety Glasses, Purity V20 Safety Glasses, Clear Anti-fog Lens (or equivalent)	2
PPE: Towels, Scott® Rags in a Box™ (200/box) (or equivalent)	1
PPE: Trash Liner .23 Mil, 7-10 Gallon	20