

# NORTHWEST COMMUNITY EMS SYSTEM - Drug/Supply/Equipment List

## Last revised: 4/2/18

- KEY:** ALS Required on all ALS vehicles unless specified otherwise. All other items are required on BLS and ALS vehicles.
- \* Drugs identified by an asterisk (\*) are controlled substances and must be accounted for per system policy.
- \*\* System hospitals must replace all drugs, supplies, and equipment items **EXCEPT** those items indicated by a double asterisk (\*\*). These items must be purchased and/or maintained by the EMS provider agency.
- IL required by IDPH administrative code section 515.830
- EMS agencies shall assign appropriate personnel to inventory ambulances daily at shift change to ensure complete par levels, intact packaging, current dates, and good working order. All controlled substances must be viewed and counted daily per policy.
  - The EMS MD or designees will do random unannounced ambulance inspections to measure compliance with these standards.
  - All EMS products exchanged at hospitals must be LATEX- FREE. All non-exchange items must be latex free unless a waiver has been granted and a latex-containing kit is maintained. Contain latex: Do NOT use without covering equipment or patient: BP cuffs, stethoscopes, Nellcor pulse oximeter.

KEY	Min.	ITEM			PACKAGING
<b>MEDICATIONS (Keep drugs packaged in boxes, in the original box to facilitate correct identification.)</b>					
ALS	3	Adenosine			6 mg / 2 mL
BLS & ALS	3	Albuterol			2.5 mg / 3 mL (0.083%)
ALS	3	Amiodarone			150 mg / 3 mL amp
BLS & ALS	4 tabs	ASA chewable			81 mg / tablet
ALS	6	Atropine sulfate			1 mg / 10 mL preload; manufacturer has provided extended use dating on emergency syringes during drug shortage
ALS	1	Diphenhydramine for IVP			50 mg / 1 mL
BLS & ALS	2 tabs	Diphenhydramine for PO route			50 mg tablets
ALS	1 OR 2 pkg	Benzocaine spray 20% OR (store w/ etomidate) HurriCaine One® unit dose (0.5 mL) non-aerosol spray			Spray - 60 mL w/ individual straws Beutlich - NDC 0283-0610-25
Opt		Calcium gluconate 2.5% (Calgonate) gel			25 Gm tube
ALS	2	Dextrose 10% (D10W)			25 Gm / 250 mL
ALS	10	Epinephrine 1 mg/10 mL			1 mg / 10 mL preload or kits containing 1mg/mL vials with NS diluent (9 mL) for use during drug shortage; manufacturer has provided extended use dating on preloaded syringes during drug shortage
BLS & ALS	4	Epinephrine 1mg/1mL VIAL			1 mg / 1 mL
ALS	40 mg	Etomidate (store w/ benzocaine)			40 mg / 20 mL
ALS	3 if able*	Fentanyl	*CONTROLLED SUBSTANCE LOCKED CONTAINER	YES	NO
		OR (2 if able) Morphine 10 mg – if fentanyl unavailable			
BLS & ALS	1	Glucagon			1 mg powder / 1 mL diluent
BLS & ALS	3	Ipratropium bromide 0.02% (Atrovent)			0.5 mg in 2.5 mL NS
ALS	500 mg*	Ketamine *CONTROLLED SUBSTANCE LOCKED CONTAINER			500 mg/10 mL (50mg/mL concentration)
ALS	60 mg	Ketorolac tromethamine			30 mg/mL
ALS	2	Lidocaine 2%			100 mg / 5 mL preload
ALS	Need total of 4 Gm	Magnesium sulfate 50%			(1ea) 5 Gm / 10 mL OR (2ea) 1 Gm / 2 mL or (2 ea) 2 Gm in 50 mL NS IVPB
ALS*	2*	Midazolam	*CONTROLLED SUBSTANCE LOCKED CONTAINER	YES	NO
		OR (2) Diazepam 10 mg – if midazolam unavailable			
BLS & ALS	3	Naloxone			2 mg / 2 mL
ALS	1 bottle	Nitroglycerin			0.4 mg (1/150 gr) tabs
ALS**		Nitrous oxide only by waiver			
ALS	1	Norepinephrine			4 mg / 4 mL (vial preferred)
		OR Dopamine premix (1600 mcg/mL) if norepi unavailable			400 mg / 250 mL or 800 mg / 500 mL D5W
ALS	2	Ondansetron			2 mg / mL (2 mL vial)
BLS & ALS	2	Ondansetron			4 mg ODT
ALS	1	Sodium bicarbonate 8.4%			50 mEq / 50 mL preload
ALS	1	Tetracaine ophthalmic solution			0.5% / 1-2 mL
ALS	2	Verapamil			5 mg
	2	Normal saline (sterile)			1000 mL irrigation bottle
IL	1 quart	Drinking water (may be sterile water bottle)			

KEY	Min.	ITEM	PACKAGING					
ALS-IL	4	IV solution: Normal saline (2 in warmer; 2 room temp)	1000 mL bag					
ALS	1	IV solution: Normal saline	250 mL bag					
ALS	2	NS injection (keep 1 w/ EZ-IO supplies)	10-20 mL preload syringes (May increase # to dilute epi during drug shortage)					
<b>AIRWAY EQUIPMENT</b>								
IL	1 ea	Oropharyngeal airways: 6/110 mm, 5/100, 4/90, 3/80, 2/70, 1/60, 0/50, 00/40 mm						
	2	Tongue blade (for insertion of oral airways – keep with oral airways)						
IL	1 each size	Nasopharyngeal airways 12Fr/3, 14Fr/3.5, 16Fr/4, 18Fr/4.5, 20Fr/5, 22Fr/5.5, 24Fr/6, 26Fr/6.5, 28Fr/7, 30Fr/7.5, 32Fr/8, 34Fr/8.5mm						
<b>Endotracheal tubes:</b> High volume/low pressure cuff - stored in sterile packaging.								
ALS	1	9 mm (cuffed)						
ALS	2 each	6 or 6.5mm, 7 or 7.5mm, 8 or 8.5mm cuffed						
ALS	2 each	3 or 3.5mm, 4mm, 5mm UNCuffed						
<b>Stylets</b>								
ALS	2 (1 w/ cric kit)	<b>Bougie</b> - 15Fr x 60-70cm with Coude Tip – disposable, single-use (req for direct laryngoscopy. Eff. 2-15; <b>mandatory for all King Vision attempts</b> ) Portex Smiths Medical, Single Use Bougie Coude Tip 15Fr, ref 100/123/515 SunMed, ref 9-0212-70 <a href="http://store.airwaycam.com/bougie---tube-introducer-with-coude-tip-10/box">http://store.airwaycam.com/bougie---tube-introducer-with-coude-tip-10/box</a>						
ALS	1	Malleable stylet for adult ET tube (disposable) Bougie preferred						
ALS	1	Malleable stylet for peds ET tube (disposable)						
IL	3 packets	Water soluble lubricant (individual packets)						
<b>Laryngoscopes</b>								
ALS**	1	Medium or lg handle Laryngoscope: Welch-Allyn, Rusch, approved equivalent. Confirm blades & handles compatible.						
ALS**	1 opt.	Peds handle Laryngoscope: Welch-Allyn, Rusch, or approved equivalent						
ALS**	1 set ea	Alkaline batteries: C or D appropriate for handle size						
<b>All metal non-disposable laryngoscope blades - mandatory back-up</b>								
ALS**	1 opt.	4 Miller /straight or 4 Mac/curved adult						
ALS**	1 each	3 Miller/straight & 3 Mac/curved adult						
ALS**	1 each	0 Miller, 1 Miller, 2 Miller						
ALS**	1 ea	Extra bulbs for each blade unless fiberoptic blades						
<b>Disposable laryngoscope blades required</b> (initial stock to be purchased by provider agency; replacement stock to be replaced at receiving hospital). <b>May stock standard or fiber-optic.</b> Ensure compatibility between blades and handles.								
ALS(**)	1 ea - opt	Disposable <i>Standard</i> laryngoscope blades						
		<i>Rusch Lite Slim disposable blades</i> <a href="http://www.teleflex.com/en/usa/productAreas/anesthesia/documents/Laryngoscope-Ref-Guide.pdf">http://www.teleflex.com/en/usa/productAreas/anesthesia/documents/Laryngoscope-Ref-Guide.pdf</a>						
		4 miller	4 mac	3 mac	3 miller	2 miller	1 miller	0 miller
		NA	00480 4400	00480 3300	00485 3300	00485 2200	00485 1100	00485 0050
ALS(**)	1 ea - opt	Disposable <i>fiber optic</i> laryngoscope blades						
		"Green Rusch Lite disposable fiber optic blades" <a href="http://www.teleflex.com/en/usa/productAreas/anesthesia/documents/2012-0795_Green_Rusch_Lite_Data_Sheet.pdf">http://www.teleflex.com/en/usa/productAreas/anesthesia/documents/2012-0795_Green_Rusch_Lite_Data_Sheet.pdf</a>						
		4 miller	4 mac	3 mac	3 miller	2 miller	1 miller	0 miller
		00455 0004	00455 1004	00455 1003	00455 0003	00455 0002	00455 0001	00455 0000
		Curaplex all-metal fiber optic laryngoscope blades <a href="http://www.curaplex.com/docs/Curaplex_Laryngoscope_Blades.pdf">http://www.curaplex.com/docs/Curaplex_Laryngoscope_Blades.pdf</a>						
		4 miller	4 mac	3 mac	3 miller	2 miller	1 miller	0 miller
		301-5140	301-B5040	301-B5030	301-B5130	301-B5110	301-B5110	301-B5100
Flexicare Briteblade Pro <a href="http://www.flexicare.com/us/products/airway-management/single-use-laryngoscopes/briteblade-pro.aspx">http://www.flexicare.com/us/products/airway-management/single-use-laryngoscopes/briteblade-pro.aspx</a>								
4 miller	4 mac	3 mac	3 miller	2 miller	1 miller	0 miller		
040-724U	040-714U	040-713U	040-723U	040-722U	040-721U	040-720U		
ALS (**)	1 opt.	<b>King Vision, 1 Reusable Digital Display</b> (Front-line ALS ambulances after standard System education, competency measured; and approved to start by EMS MD). Suggested vendor and preferred pricing: Boundtree: Kathy Trumpower: Account Manager; 5000 Tuttle Crossing Blvd   Dublin, OH 43016 Phone: 312-339-8498   <a href="mailto:kathy.trumpower@boundtree.com">kathy.trumpower@boundtree.com</a> <b>MANDATORY after 9/1/18.</b>						
ALS (**)	2 opt	<b>King Vision Video Laryngoscope Blade</b> , Channeled, Disp, 18mm, w/White LED, Digital CMOS Camera <b>MANDATORY after 9/1/18</b>						
ALS	1 1 1	King LTS-D; kits contain 60 mL syringe (to inflate cuffs), lubricant <ul style="list-style-type: none"> <li>Size 3: yellow - pts 4-5'; part # 477- KLTSD 413</li> <li>Size 4: red - pts 5-6'; part # 477- KLTSD 414</li> <li>Size 5: purple - pts &gt;6'; part # 477- KLTSD 415</li> </ul>	<i>Keep 18 fr dual-lumen salem sump gastric tube with King KLTSD airways</i>					

KEY	Min.	ITEM	PACKAGING
ALS	1 ea size	<b>ETT holders</b> – NCN Products Co. 8.5-9.5 (blue); 7-8 (red); 6-6.5 (yellow) (no longer manufactured) OR (1) Grip-ET (GT100XL): Fits 5–10 mm (Para Products) (will secure King LTS-D) (no longer available) OR <b>Thomas Select Tube</b> holder (adult) 25/package; secures ETT & Extraglottic airways ≥ 6.5 mm (inner diameter) to 42 mm (outer diameter): Laerdal 600-42500	
	1 opt.	Lyfetymer LED ventilation metronome (flashes 10x/min) <a href="http://www.lyfetymer.com">www.lyfetymer.com</a> .	
	2	Towel for padding under head during ETI (suggest keep in airway bag)	
<b>Cricothyrotomy supplies:</b> Recommend package as a unit (Can be used for cricothyrotomy or needle decompression.)			
	2	Skin prep: Chlorhexidine gluconate 2% w/ isopropyl alcohol 70% (CHG/IPA) preferred	
ALS	3	10 ga. Catheter over the needle device; 3" long (Deseret 10 ga. #2820) Alternative: 10 ga 3.25" needles: North American Rescue <a href="http://www.narescue.com/ARS_for_Needle_Decompression">http://www.narescue.com/ARS_for_Needle_Decompression</a>	
ALS	2 ea	Adaptor to connect catheter to bag-valve device: 3 mL syringe & 7-7.5 mm ET tube adaptor	
ALS	1	20 mL syringe (to function as EDD when performing needle cric)	
ALS**	1	Curved Kelly hemostat clamp or spreader	
ALS	1	#11 Scalpel	
ALS		Bougie must be used for all surgical crics, suggest keep 1 bougie w/ near cric supplies	
<b>SUCTION-RELATED EQUIPMENT</b>			
**	1	<b>Installed suction:</b> <i>Specifications:</i> Powerful enough to provide airflow of >20 L/min at end of delivery tube and a vacuum of over 300 mmHg (11.811 inches) to be reached within 4 sec. after tube is clamped. Vacuum level shall be adjustable for use with children and intubated patients. Must be a "Y" or "T" piece or a lateral opening between suction tube and suction source for on/off control. The suction yoke, unbreakable collecting bottle, water for rinsing and suction tube must be readily accessible to the responder at the head of the primary litter. Can be disassembled for ease of cleaning and decontamination.	
**	1	Clean, unbreakable, noncollapsible collection bottle (receptacle) that holds 1000 mL. If standard option too tall for ambulance compartment may use Bemis 1200 mL Hi-Flow canister #484410.	
	2	6-10 ft non-kinking, transparent, noncollapsible suction tubing; ¼" inside diameter.	
** IL	1	<b>Portable suction:</b> Ohmeda or approved equivalent. <i>Specifications:</i> Unit must be powerful enough to provide airflow of at least 12 liters per minute at the end of the suction tube and a vacuum of at least 300 mmHg (11.811 inches) to be reached within 4 seconds after the tube is clamped. Unit must operate from an internal battery supply that is rechargeable or gas powered and will allow the unit to meet the airflow and suction requirements for at least 20 continuous minutes. Capable of charging from vehicle 12-volt system and 115 volt AC. If the portable suction unit is powered by pressurized oxygen in a cylinder, it will be attached to its own oxygen cylinder and not to spare D or E cylinders intended for portable oxygen use. A manually operated suction device is acceptable if approved by IDPH. V-Vac & Res-Q-Vac® approved	
ALS	1	Dual-lumen ( <b>Salem Sump®</b> -type) gastric tube 18 fr x 48" – keep with King KLTSD airways	
IL	2 each	6 Fr, 8 Fr 10 Fr, 12 Fr, 14 Fr, 18 Fr sterile, single use, soft suction catheters, with on/off control	
IL	3	Semi-rigid pharyngeal suction tips: single use (Yankauer) – phase out by attrition	
	1 Opt	<b>DuCanto Catheter™</b> SSCOR # 200-00002 (larger distal opening) <b>Required for those using King Vision videolaryngoscope to intubate.</b> Strongly recommended for all others. <b>MANDATORY after 9/1/18.</b>	
<b>OXYGEN/DELIVERY DEVICES</b>			
**	1	Installed O <sub>2</sub> tank: Central "H" or "M" size. Supplied with at least 3000 L of O <sub>2</sub> ; equipped with yoke. <ul style="list-style-type: none"> <li>Installed w/ quick release, crash-stable, mounting bracket to provide maximum safety for patients and personnel.</li> <li>Must be equipped with a reducing valve (from 2000 PSI cylinder to 50 PSI) with pressure gauge.</li> <li>Must have an O<sub>2</sub> outlet accessible to technician at the head of the primary litter and clear, disposable oxygen tubing.</li> </ul>	
**	1	Dial flow meter/regulator that will deliver at least up to 15 L/minute	
** IL	2	Portable O <sub>2</sub> tanks: "D" or "E" cylinders w/ at least 300 L capacity equipped w/ yokes, clear, disposable oxygen tubing	
**	2	Dial flow meters/regulators (not gravity dependent) that will deliver at least up to 15 L/minute	
IL	3 each	Nasal cannula – adult & pediatric OR nasal cannula with ETCO <sub>2</sub> sensor	
IL	2 adult 1 each	Non-rebreather masks: semi-open, valveless, transparent, and disposable. Pediatric (1) & Infant (1)	
IL	1	CPR mask (mouth-to-mask unit w/ oxygen inlet and one-way safety valve to prevent backflow of expired air and secretions)	
	1	Flow-Safe CPAP item # 10-57009, Mfr Mercury Medical, Distr MedAlliance, Cost 5/box \$240, guaranteed until 12-31-2014	
	1	Nebulizer: acorn type with tee adaptor oxygen tubing, mouthpiece and flex-tube	
	1	"In-line" Nebulizer adaptor kit for BVM/ET (preassembled in labeled bag) (15 mm + 22 mm: Hudson RCI multiadapter cat. No. 1422 and Universal cuff adapter cat. no. 1421)	
IL	1 adult	Disposable adult bag-valve-mask (BVM) device: Vital Signs Code Blue w/ mask & reservoir tubing/bag #7250; Ambu Spur w/ mask & reservoir #242002000; Inspiron 8003 - w/ oxygen reservoir & mask; Mercury bag w/ reservoir & mask; SIMS Portex, Novaplus/1st Response. Option (not exchange item): Capno-flow resuscitation bag	
IL	1 pediatric	Disposable pediatric BVM: (500 mL w/ reservoir): SIMS Portex, Novaplus/1 <sup>st</sup> Response; Vital Signs Code Blue #7334 w/ 2 masks (1 Toddler; 1 child) Inspiron; Ambu Spur Pediatric w/ mask & reservoir #330 001 000	

KEY	Min.	ITEM	PACKAGING
IL	1 infant	Disposable infant BVM: SIMS Portex, Novaplus/1 <sup>st</sup> Response; Vital Signs Baby Blue #7421 with 2 masks – 1 infant and 1 newborn	
ALS**	1 opt.	Uni-Vent , Auto-Vent , Pneupac ® VR1 automatic resuscitator ventilator or approved equivalent	
	2	MAD® (Mucosal Atomization Device) Nasal drug delivery: MAD 100 w/ syringe or MAD 300 w/o syringe Wolfe Tory Medical, Inc. 79 West 4500 South, Suite 16, Salt Lake City, UT 84107, 888-380-9808	
<b>VASCULAR ACCESS SUPPLIES</b>			
ALS	2	IV tubing: Macro drip 10 gtts/mL or 15 gtts/mL - needleless required: Baxter Continuo-flo Interlink solution set (No. 2C6537S) or Abbott LifeShield (No. 11309) PLUS the B-D Interlink lever-lock cannula adaptor (No. 303370); <b>Alternative:</b> Alaris Smart Site infusion set (20gtts) Alaris/Carefusion #2426-0500; Smart Site infusion set (60gtts) Alaris #2421-0500 - Cardinal Health	
ALS	1	IV tubing: Mini (micro) drip 60 mcgtts/mL	
ALS	2	J-loops/ IV extension sets	
<b>Catheter-over-the-needle devices: J&amp;J Protectiv™; Becton Dickinson Insyte Saf-T-Cath™; or BD Nexiva™ Catheters</b>			
ALS	2	14 gauge 1.25" or 2"	
ALS	2	16 gauge 1.25"	
ALS	2	18 gauge 1.25"	
ALS	2	20 gauge 1" or 1.25"	
ALS	2	22 gauge 1"	
ALS	2	24 gauge ¾" to 1"	
ALS	2 opt.	Disposable IV start pack (Becton-Dickinson or equivalent) with CHG/IPA skin prep	
ALS	2	IV protective dressing (Tegaderm, OpSite, or Veni-Gard)	
ALS	2	Venous constricting bands (preferably in IV start pack)	
ALS	1	Padded arm boards	
ALS	4 opt.	IV medication labels (especially needed for norepinephrine drips)	
ALS	1 opt.	Modular IV kit (Insulating bag for keeping IV fluids warm): Conterra IVK1-I; info@conterra-inc.com	
<b>Intraosseous supplies for front-line ALS ambulances only: Recommend package as a unit in one case.</b>			
		EZ-IO® products	
ALS**	1	Driver stored in soft or hard sided case. Do <b>NOT</b> test daily/weekly (decreases battery life).	
ALS	2	45 mm ( Yellow) 15 g needle with stabilizer	
ALS	1	25 mm ( Blue) 15 g needle with stabilizer	
ALS	1	15 mm ( Pink) 15 g needle with stabilizer	
ALS	3	EZ-connect® extension sets (supplied w/ needles)	
ALS	1	IV Pressure infuser for 1000 mL IV bag (may be disposable): Ventlab VC 410 or equivalent; www.ventlab.com	
ALS	1	10-20 mL syringe (to prime connect tubing and flush IO)	
ALS	2	Skin prep: Chlorhexidine gluconate (CHG 2%) & alcohol (IPA 70%) – (Chloraprep®)	
<b>SYRINGES/NEEDLES/SUPPLIES</b>			
ALS	2	18 gauge, 1-1½" needles	
BLS & ALS	2	21-22 gauge, 1½" needles (for IM injections)	
ALS	2	25 gauge, 5/8-1" needles	
ALS	2	Filter needles 18 g x 1½" or straws (for withdrawing medications from ampules) Suggested manufacturers: needles Sherwood Cat. # 81-305117; filtered straws Braun FS/5005 #1613199 case/100	
ALS	3	Blunt tip safety needles (for drawing medications from vials)	
ALS**	1 opt	Russell PneumoFix™: Tipped needle; 12-gauge cath; 11 cm long w/ one-way valve to vent tension pneumo. May only deploy after System approved education and EMS MD approval. Preferred vendor: Boundtree.#PDF112 ask Kathy Trumpower about System pricing. See CPR devices for contact info.	
ALS	2 ea	3 mL; 6 mL; 10-12 mL; 20 mL disposable syringes	
BLS & ALS	2	1 mL syringe (luer-lock preferred, BD product # 309628, Kendall-Covidien)	
BLS	2	0.5 mL syringe (luer-lock) (for IM epinephrine)	
ALS	1	60 mL syringe (luer-lock, not irrigation tip)	
	2	Skin prep: Chlorhexidine gluconate 2% w/ isopropyl alcohol 70% (CHG/IPA – Chloraprep®)	
	1 small	Point-of-use sharp container #8905 Burroughs or approved equiv. Mtg OSHA guidelines.	
ALS	1 large	Puncture-resistant needle/syringe disposable container that meets OSHA guidelines.	
<b>DIAGNOSTIC MONITORING EQUIPMENT</b>			
ALS**	1	<b>Cardiac monitor/defibrillator</b> w/ pacing, 12-L ECG, SpO2; capnography capability: PhysioControl LifePak 12/15; Zoll M/E/X series; Philips MRx. NIBP; Biphasic preferred. All units purchased after 3/1/01 must have non-disposable adult and pediatric paddles as back up.	
ALS	Monitor specific	<b>Real-time CPR feedback</b> strongly encouraged now: Mandatory before any piston-type mechanical CPR device is deployed. Mandatory for all front-line ALS ambulances after 6/1/18 unless waiver granted: <b>ZOLL</b> CPR Stat Padz, HVP Multi-Function (8 Pair/Case) <b>Philips Q-CPR™</b> measurement and feedback tool CPR meter Product number: NOCTN89 & <b>PhysioControl: TrueCPR™</b> Coaching Device	

KEY	Min.	ITEM	PACKAGING
ALS**	1	Patient electrode cable - System approved	
ALS**	2	Extra charged batteries and battery support charger available	
ALS**	2 rolls	ECG paper suitable for the monitor	
ALS	2 sets 1 set 1 each Min 20	PhysioControl Quik Combo Pads or manufacturer-specific equivalent - Adult Peds paddles (Provider may purchase pediatric Medtronic Quik Combo Pad or manufacturer-specific equivalent) 3, 4 or 5-lead and 12-lead monitoring cables Monitoring electrodes (store in pkg to maintain moist gel)	
ALS**	Optional	3M surgical clipper with single patient use disposable pivoting heads – model 9661.	
ALS	1	Washcloth (or towel) to prep skin for 12-L ECG (suggest keep washcloth in monitor pouch)	
ALS	10	Alcohol skin prep pads (for 12-L ECGs only)	
ALS	1 tube	Conduction gel for defibrillator paddles	
BLS**	1	<b>Automated External Defibrillator</b> w/ adult and pediatric capability; Manufacturer specific adult and pediatric pads	
ALS**	1 opt	<b>Chest compression mechanical CPR Device (approved piston-type CPR devices):</b> Use of mechanical CPR piston devices may be considered in specific settings where the delivery of high-quality manual compressions may be challenging or dangerous for the provider (e.g., limited rescuers available, prolonged CPR w/ rescuer fatigue, during hypothermic cardiac arrest, in a moving ambulance, in the angiography suite, during preparation for extracorporeal CPR [ECPR]), provided that rescuers strictly limit interruptions in CPR during deployment and removal of the devices. (Class IIb, LOE C-EO) Approved units may only be deployed after System-approved education, competency measured, and EMS MD approval. <u>All disposable elements for each unit are the responsibility of the Provider Agency to replace.</u> Approved optional devices: <b>Lifeline ARM</b> (Defibtech) - Kristin Schwan; AED Professionals; 348 W. Colfax, Palatine, IL. 60067. O: (847) 202-3233; C: (847) 702-3858; <a href="mailto:Kristin@aedprofessionals.com">Kristin@aedprofessionals.com</a> <b>LUCAS™</b> 2 or 3 Chest Compression System (PhysioControl - Ed Fee; <a href="http://ed.fee@stryker.com">ed.fee@stryker.com</a> ; (708) 408-1142 ext. 72380) <b>ROSC-U:</b> Kathy Trumpower; Bound Tree Medical   Northern IL Account Manager Mobile 312.339.8498   Fax 614.973.7298; <a href="mailto:kathy.trumpower@boundtree.com">kathy.trumpower@boundtree.com</a>	
**	2	Penlights with batteries (may be personal equipment of EMS personnel)	
**	1	<b>Pulse oximeter:</b> Units installed in system-approved monitor/defibrillators preferred Must include: non-disposable peripheral sensor (finger clip), AND central sensor (ear clip or Y sensor - preferred), AND peds monitoring capabilities (adult Y-sensors can be used for child, infant, neonate). May use Y-sensor instead of adult finger clip. (Approved stand-alone: BCI, Novamatrix, Nellcor, PaceTech)	
ALS** BLS may apply sensors	1 ea	<b>Capnography:</b> Side/microstream w/ waveform; units on System-approved monitor defib accepted with Capnography sensors (Stand-alone units need system approval): Physio, Philips, ZOLL X-series: <ul style="list-style-type: none"> <li>Spontaneously breathing - Oridion Microstream Smart CapnoLine Plus O<sub>2</sub>, 100/case, # 010210</li> <li>Spontaneously breathing - Oridion Microstream Smart CapnoLine Plus O<sub>2</sub>, Pediatric #007269</li> <li>Assisted ventilation - Oridion, Microstream FilterLine Set, 100/cs, # 010579</li> </ul> ZOLL - E & M series: <ul style="list-style-type: none"> <li>Spont. breathing - Oral/Nasal CO<sub>2</sub> w/O<sub>2</sub> cannula Adult (10/bx ref # 8000-0358)</li> <li>Spont. breathing - Oral/Nasal CO<sub>2</sub> w/O<sub>2</sub> cannula Peds (10/bx ref # 8000-0359)</li> <li>Assisted ventilation - Airway Adapter Kit, Adult/Pediatric (10/bx ref # 8000-0362)</li> <li>Hudson RCI product cat # 1768 "step-down adapter" (25/cs) – need to connect Zoll capno sensor to mask (of BVM device) &amp; ResQPOD/ITD (Note: Pre-connect to "assisted ventilation airway adapter")</li> </ul> Store a capnography sensor with BVM device (engineering control /reminder)	
** IL	2	Stethoscopes (diaphragm type)	
**	1	Thermometer (non-glass; non-mercury): oral (digital), tympanic membrane, temporal artery all approved	
** IL	1 each	Adult, Child, Infant assorted sizes blood pressure cuffs (aneroid-type gauge)	
<b>Glucose testing supplies</b>			
	<i>1 bottle*</i>	<i>Glucose testing strips (label w/ expiration date – 180 days [6 months] from opening) – *minimum 5 strips</i>	
**	<i>1 each</i>	<i>Bottles control testing solution – high &amp; low (label w/ expiration date)</i>	
**	1	Blood Glucose monitor device: Precision Xtra meter Sharon Geurts Jukes Abbott Diabetes Care; 317-503-2448; <a href="mailto:Sharon.geurts@abbott.com">Sharon.geurts@abbott.com</a>	
	4	Lancets (protected)	
	2 strips	Precision Xtra™ test strips (replace package at a time calibrated to meter)	
**	1 each	Precision Xtra Control solutions (high & low)	
** IL	1	Electric clock with sweep second hand, available at point of pt contact - for use counting pulse & resp rates	
<b>DRESSINGS/BANDAGES</b>			
IL	20	Sterile 4 X 4's	
	4	Sterile ABD's	

KEY	Min.	ITEM	PACKAGING
IL	2	Vaseline gauze 3" X 8"	
**	2 opt	BCS Bolin vented chest seal ( <i>provider agency agrees to provide education, pre-approved by system</i> )	
IL	6	Trauma dressings	
	10	Band-Aids - assorted sizes	
	1 ea	Elastic bandages: 4" width, 6" width	
IL	10 ea	Self-adhering roller gauze: Kerlix 4" x 5 yards;	
IL	2 rolls	Adhesive (surgical) tape: ½" or 1"; 2" (to use w/ towels for c-spine motion restriction)	
IL	2	Burn sheets, clean individually wrapped (do not need to be sterile)	
	1	Tourniquet, disposable: Combat Application Tourniquet (C-A-T ®) – Rescue Orange, Item # 30-0023 North American Rescue Inc., <a href="http://www.narescue.com">www.narescue.com</a> , 888-689-6277, (system price \$27.52) or approved equivalent Tactical Mechanical Tourniquet (TMT) Combat Medical Systems (see contact info below for Celox – Special System pricing available)	
	2	QuikClot – EMS 4X4 Hemostatic Dressing (3 in package) Phase out by attrition.	
	1 (preferred)	Celox rapid 5 foot (Z-fold hemostatic gauze). Combat Medical Systems, PN 30-215 (red package). Harrisburg Industrial Park Dr, Harrisburg, NC 28075. Special System pricing – Quote: CMS-05795-W8H4 revision by Gregoray Keyes. Contact 855.428.6074 or <a href="mailto:quotes@combatmedicalsistemas.com">quotes@combatmedicalsistemas.com</a> to place an order. Will exchange at hospitals by attrition when QuikClot inventories are depleted or agencies may purchase now for Rescue Task Force or TEMS bags.	
	1 roll	Plastic wrap - for burns (e.g., Saran wrap, Glad wrap) <a href="http://www.acep.org/content.aspx?id=40462">http://www.acep.org/content.aspx?id=40462</a>	
<b>SPLINTING/IMMOBILIZATION EQUIPMENT</b>			
IL	2 1 1	Cervical collars adult: Perfit ACE™ Adjustable Collar (AMBU 281 000) Michael Roda773-620-0865 OR Laerdal Stifneck Select™ adjustable collar. Approved alt: Philly EMT's Select adj extr collar Cervical collars peds and infants: Mini Perfit ACE™ Adjustable Extrication Collar (AMBU 281 106) – fits infants and children OR Stifneck extrication collars: Peds CP 300 or peds adjustable collar (light blue) Baby No-Neck CB 200 (pink), unless Mini Perfit ACE™ Adjustable Extrication Collar (AMBU 281 106)	
**	1	Cervical immobilizer: "Para-Brace," Headbed II (Laerdal) or Ferno Headhugger Model #455; Multi-Grip® Head immobilizer; Pro-Lite® Head immobilizer; Philly Patriot extrication collar; Hoover Headblock or approved equivalent.	
** IL	2 each	Rigid limb splints adult: long and short; Pro-Splints or approved equivalent (SAM splint)	
** IL	2 each	Rigid limb splints peds: long and short; Pro-Splints or approved equivalent (SAM splint)	
** IL	1	Leg traction splint (adult size) Hare or Sager; Faretec CT-6® can be used on peds & adult	
** IL	1	Leg traction splint (peds size) Hare or Sager; not required if Faretec CT-6® is on amb.	
**	1 set-opt.	Vacuum splints (adult) MDI: Deluxe pkg includes; 1 ankle/wrist; 1 ea small, med, lg limb splint + pump. Hartwell Medical FASPLINT® semi-disposable vacuum splints: small, medium, large, pump	
** IL	1	Long backboard: Wood or radiolucent material with 3 each torso straps, 9 feet in length, 1 each chin and head strap. Alternative immobilization straps: spider straps, quick connect torso straps, or disposable backboard straps.	
**	1	Backboard padding - blanket layers OR commercial device: Turley Backboard Pad ( <a href="http://www.turleybackboardpad.com">http://www.turleybackboardpad.com</a> ) Thomas EMS Back Raft, EMS Backboard Padding ( <a href="http://www.thomasems.com/Back_Raft.html">www.thomasems.com/Back_Raft.html</a> ); Trauma Travel Pad ( <a href="http://www.traumatravelco.com/about.htm">www.traumatravelco.com/about.htm</a> ) Trauma Technologies Spineboard pad E1431 ( <a href="http://www.traumatechinc.com/products/pro-tech-pads/disposable-spineboard-pad-e1431/">www.traumatechinc.com/products/pro-tech-pads/disposable-spineboard-pad-e1431/</a> ); Pro-Tech Spine Board Gel Pads ( <a href="http://www.traumatechinc.com/products/pro-tech-pads/pro-tech-spine-board-gel-pads/">www.traumatechinc.com/products/pro-tech-pads/pro-tech-spine-board-gel-pads/</a> ); Morrison Medical Pads ( <a href="http://www.morrisonmed.com/3041_PRESSUREPAD.pdf">www.morrisonmed.com/3041_PRESSUREPAD.pdf</a> )	
**	1	Scoop Stretcher: Ferno 65 (replace 65 via attrition), EXL or CombiCarrier II, or approved equivalent	
** IL	1	Short backboard: (32" X 16" minimum) Wood or radiolucent material with 2 each torso straps, 9 feet in length, 1 each chin and head strap OR vest type (wrap around) extrication device – (KED)	
**	1	KED (Kendrick Extrication Device)	
**	1 opt.	Ferno MedKids Pedi-Sleeve: immobilizes child 12-60 lbs. #BB-6770 or Pedi-Pac™ #IE-7800	
IL	5	Triangular bandages or arm slings	
<b>MISCELLANEOUS SUPPLIES</b>			
	1	CPR-Enhancing device: ResQPOD® impedance threshold device -for use with CPR/chest compressions Advanced Circulatory Systems, Inc. <a href="http://www.advancedcirculatory.com">www.advancedcirculatory.com</a> ; 952-947-9590	
** IL	1 pair	Bandage scissors or all-purpose "crash" scissors	
IL	1	Bath basin or emesis receptacle - (ConvenienceBAG™ by GKR Industries)	
IL	1 ea	Bed pan/urinal	
IL	1	Body bag - disposable or surgilift (black sheet)	
** IL	1	Broselow pediatric length-based tape – 2017 edition preferred; 2011 edition acceptable for existing vehicles; (retire old tapes through attrition) plus Pediatric equipment/drug age/weight chart (SOPs p.100-101). Pediatric trauma score reference (SOP p. 87)	

KEY	Min.	ITEM	PACKAGING
IL	6 6	Chemically-activated thermal packs: Hot - 5¼" x 10" Cold - 5¼" x 10"	
**	25	Disaster tags – SMART triage tags	
	2	Disposable drinking cups (may also be used as eye shields)	
	1 box	Facial tissue	
**	1 bottle	Hand washing agent: topical 60-95% alcohol-based germicide or approved equivalent	
**	Optional	CaviWipes XL disinfecting towelettes for intermediate level disinfection of non-porous surfaces	
ALS**	1	IV fluid warmer (device or drawer): IVF may be warmed in their plastic overpouches to temperatures not exceeding 40°C (104 °F) and for a period no longer than 14 days. Label IV bags with warming expiration date before placing in warmer. When removed, tag as previously warmed. They should not be returned to the warmer. They may continue to be used until the labeled expiration date from the manufacturer provided they have not been warmed more than once (Policy D3, p. 5).	
ALS**	1	Magill or uterine curved ring forceps	
IL	2	OB kits (sterile) plus stockinet caps for neonates and writable ID bracelets	
IL	1	Aluminum foil roll <b>OR</b> **Silver Swaddler <b>OR</b> **Chemically-activated Baby Warmer <b>OR</b> **Mylar blanket	
**	Optional	Nose clips (disposable) "Snuffer"–VacuMed 800-235-3333 <a href="http://www.vacumed.com/zcom/product/Product.do?compid=27&amp;prodid=189">http://www.vacumed.com/zcom/product/Product.do?compid=27&amp;prodid=189</a>	
** IL	1 set of 4	Restraints: arm and leg sets; leather or commercially available equivalent; buckle or velcro types, no key locks. Preferred product: "Twice as Tough" restraints by Posey. Soft, cloth restraints unacceptable.	
**	2 opt.	TranZport hood (NIK-7000) to deter spitting and biting; Humane Restraint (800-356-7472)	
**	1	Ring cutter	
**	As listed	System Refusal/release forms x 10 (unless available electronically) NCR forms available from NWC EMSS office, Bus accident logs x 5, Domestic violence shelter information sheets x 5, Petition forms X 2	
**	1 each	Current copy of SOPs, selected excerpts from Policy Manual, Procedure Manual (unless available electronically)	
<b>UNIVERSAL PRECAUTIONS SUPPLIES</b>			
**	1 set for each response personnel	BSI appropriate for spills, splashes, or exposure to body fluids. Gloves - Specs: disposable (single-use) latex-free worn during patient contact when potential for contact with blood, body fluids, non-intact skin or other infectious materials. Appropriate size of gloves should be readily accessible---hypoallergenic gloves, glove liners, powderless gloves should be available to employees who need them. Large, long-sleeved, fluid repellent (Tyvek®) gown, leg and shoe coverings. Under certain circumstances, head covers or fluid repellent shoe covers may be necessary for protection from gross contamination. Heavy-duty utility gloves for decontamination/disinfection. HazMat Level-C protection preferred.	
	1 for each	N95 respirator: 3M; Technol, Moldex, or approved equivalent - needs to be fit tested (replacement item only)	
** IL	1 per responder	Full-face shield: Protective eyewear - goggles or wrap-around safety glasses plus disposable surgical facemask and eye protection, including solid side shields.	
** IL	1 box	Disposable non-porous (latex-free) gloves (minimum 3-pair per rescuer)	
**	1 roll	Durable, waterproof, cloth/scrim backed, tape (duct tape)	
IL	1 box	Disposable face masks	
IL	2	Red impermeable biohazard-labeled isolation bags for contaminated linen (CDC Approved)	
<b>PATIENT LIFTING/CONVEYANCE DEVICES</b>			
** IL	1	<b>Primary patient litter</b> – Ferno Washington, Stryker, or approved equivalent. <i>Specs:</i> Multi-level, wheeled, at least 75" to 80" long, 22" wide; allows for head to be elevated upward to a 60° semi-sitting position; provided with crash-stable, quick release, 3 point fasteners; and 3 set of straps + over shoulder straps. Designed to insure the frame or handle permits up to four persons to carry the litter, and is easy to move, load, clean and disinfect. Three point fastener for cot. Must fit securely in fastener. Bariatric stretchers approved as optional.	
** IL	1	Secondary patient litter - folding and/or collapsible stretcher with 3 sets of straps	
**	Optional	Heavy-duty, vinyl-coated transfer sheet or sling with carrying handles or equivalent	
** IL	1 <b>OR</b>	<b>Child/infant safety restraining device</b> meets federal motor vehicle standards (FMVSS) 213 & 302. <b>IDPH memo issued 4-2-18</b> requires: <b>convertible car seat</b> (holds infant to 40 lb child) <b>OR</b> both infant & child car seats; Child safety seat info: <a href="http://www.nhtsa.gov/portal/nhtsa_eou/info.jsp?type=all">http://www.nhtsa.gov/portal/nhtsa_eou/info.jsp?type=all</a> . NHTSA Recommendations Safe Transport Children in Ambs <a href="http://www.nhtsa.gov/staticfiles/nti/pdf/811677.pdf">http://www.nhtsa.gov/staticfiles/nti/pdf/811677.pdf</a> <b>OR</b>	
**	<b>1</b>	Strongly encouraged: Quantum <b>ACR-4</b> (Ambulance Child Restraint) system: fits newborns and children weighing 4lbs – 99lbs; Color coded restraints in 4 sizes, Extra small 4-11 lbs, Small 11-26 lbs, Medium 22-55 lbs; Large 44-99 lbs. <a href="http://www.quantum-ems.com/p-62-ACR4-(Ambulance-Child-Restraint)-Q-ACR4.aspx">http://www.quantum-ems.com/p-62-ACR4-(Ambulance-Child-Restraint)-Q-ACR4.aspx</a> . System pricing: Bill Beetschen 800-845-3550; <a href="mailto:bill.beetschen@henryschein.com">bill.beetschen@henryschein.com</a> <b>OR</b> Ferno Pedi-mate #BB-6780, child 10-40 lbs (does not fit all stretchers) or Pedi-mate plus (child 10-100 lbs). <b>If Pedi-mate will not secure newborn, must also carry infant car seat.</b>	

KEY	Min.	ITEM	PACKAGING
**	Optional	Mangar CAMEL: Bariatric lifting device; Oak Pointe Medical	
** IL	2	Pillow	
IL	2 each	Linens: Pillow case, sheets, blankets for ambulance cot; appropriate for seasonal temperatures	
<b>COMMUNICATIONS EQUIPMENT</b>			
ALS** IL	1	Portable UHF radio with charger (General Devices, APCOR or equivalent) with touch pad adaptor and UHF 4-channel capability (Med 1, 5, 6 and 8) or cellular phone (tested and working)	
** IL	1	Permanently mounted mobile radio with VHF channel 340 or 400 depending on location	
<b>NON-PATIENT CARE ITEMS</b>			
** IL	2	Fire extinguishers - Specs: ABC dry chemical, min. 5 lb. unit with quick-release brackets. One mounted in driver compartment and one in patient compartment.	
** IL	1	Flashlight – battery powered 6 volt - stand up lantern type	
**	6	Flares or triangular reflectors; self-igniting, lasting for 30 minutes	
**	2	No smoking signs	
**	1	Wrench, 12" with adjustable open end	
** IL	1	Wrecking bar, 24"	
**	1	Screwdriver, 12" with regular blade	
**	1	Screwdriver, 12" Phillips type	
**	1	One of the following: Hammer, 3 lb. with 15" handle, OR fire axe, flat head	
**	1	Goggles for eye safety - hard, impact resistant	

**Safety/General Vehicle**

- Patient area is clean
- Equipment in patient area is secured/crash-stable
- Temperature/environmental control standards met for medications
- Emergency warning lights operational
- Siren operational
- Flood lights operational
- Current Illinois Department of Transportation – issued safety inspection sticker on windshield
- No visually apparent issues which would compromise the safety of the patient, the ambulance personnel or the public
- Illinois Poison Center Number (In SOPs, page 28)
- IDPH Central Complaint Hotline number (must be posted where visible to patient)