



NON-HOSPITAL MEDICAL AND SURGICAL FACILITIES
ACCREDITATION PROGRAM

Accreditation Standards

Class 1 General Anesthesia Facility
Emergency Cart



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Class 1 General Anesthesia Facility Emergency Cart

INTRODUCTION

In accordance with the NHMSFAP Emergency Preparedness accreditation standard, non-hospital facilities are required to have an emergency cart that is stocked with emergency medications and equipment appropriate to the class of the facility. The emergency cart must be portable and located in a common patient care area. In addition, the emergency cart medications and equipment must be within their labelled expiry date, accessible and organized.

AEM1.0 EMERGENCY CART

AEM1.1 Emergency medications and equipment required of a class 1 facility are located on the emergency cart.	
AEM1.1.1	M Self-inflating bag-valve-mask. <i>Guidance: This item should be stored on the top of the cart and be contained in a clear plastic bag to protect it from contamination during storage.</i>
AEM1.1.2	M Defibrillator-monitor with print-out capability. <i>Guidance: The defibrillator-monitor has the following capabilities: defibrillation, cardiac monitoring (lead II), cardioversion, external pacing and pulse oximetry. The defibrillator-monitor is loaded with recorder paper.</i>
AEM1.1.3	M Multi-function defibrillator pads. <i>Guidance: Two sets of unopened multi-function/combo pads are stocked on the cart. The pads are within the manufacturer-labelled expiration date.</i>
AEM1.1.4	M Defibrillator pads. <i>Guidance: A minimum of two sets of defibrillator gel pads are stocked on the cart for manual paddle defibrillation. The pads are within the manufacturer-labelled expiration date. If the defibrillator-monitor is not equipped with manual paddles, then defibrillator gel pads are not required on the emergency cart.</i>
AEM1.1.5	M Lead II monitoring cable. <i>Guidance: One ECG lead II monitoring cable that is compatible with the defibrillator-monitor is stocked on the cart.</i>
AEM1.1.6	M Electrodes. <i>Guidance: A supply of ECG electrode patches are stocked on the cart.</i>

AEM1.1.7	M	Emergency oxygen tanks with regulator and nipple attached. <i>Guidance: Two emergency oxygen tanks are required. At minimum, one tank must be safely secured to the emergency cart. The second may be in a wheeled stand located beside the emergency cart or in the immediate vicinity of the emergency cart and is solely dedicated to the emergency cart. If the second oxygen tank is not secured to the emergency cart, then it is labelled "For Emergency Use Only" and not used for any other purpose.</i>
AEM1.1.8	M	Portable battery operated suction with tonsil suction catheter attached.
AEM1.1.9	M	ACLS algorithms and drug information. <i>Guidance: Current advanced cardiac life support algorithm cards are located on the cart. These include cardiac arrest, acute coronary syndrome, pulseless electrical activity/asystole, ventricular fibrillation/pulseless ventricular tachycardia, bradycardia, tachycardia and suspected stroke. In addition, a drug infusion reference card for standard inotropes and vasopressors is located on the cart.</i>
AEM1.1.10	M	CPR backboard.
AEM1.1.11	M	Clipboard with arrest forms and pen. <i>Guidance: The arrest forms are triplicate copies so that the original is retained by the facility and two copies follow the patient; one for emergency health services personnel and the other for the receiving hospital. While the use of carbonless copy paper is preferred, inserting carbon paper between the original and each intended copy is also acceptable.</i>
AEM1.1.12	M	Stethoscope.
AEM1.1.13	M	Gloves. <i>Guidance: The box of clean gloves should be located on the top of the cart.</i>
AEM1.2		Emergency airway equipment required of a class 1 facility is located on the emergency cart. <i>Guidance: The drawers of the cart should be stocked according to function (i.e. airway management, medications, IV start, IV fluids and tubing, miscellaneous).</i>
AEM1.2.1	M	Stylets. <i>Guidance: At minimum, two stylets are stocked on the cart.</i>
AEM1.2.2	M	Laryngoscope handles. <i>Guidance: A minimum of two functioning laryngoscopes are stocked on the cart.</i>
AEM1.2.3	M	Laryngoscope blade standard # 3.
AEM1.2.4	M	Laryngoscope blade standard # 4.
AEM1.2.5	M	ET tubes size 6. <i>Guidance: Two (2) of each required size of ET tubes are stocked on the cart.</i>
AEM1.2.6	M	ET tubes size 7. <i>Guidance: Two (2) of each required size of ET tubes are stocked on the cart.</i>

AEM1.2.7	M	ET tubes size 8. <i>Guidance: Two (2) of each required size of ET tubes are stocked on the cart.</i>
AEM1.2.8	M	Supraglottic airway device size 3. <i>Guidance: Disposable supraglottic airway devices in sizes 3, 4 and 5 are stocked on the cart.</i>
AEM1.2.9	M	Supraglottic airway device size 4. <i>Guidance: Disposable supraglottic airway devices in sizes 3, 4 and 5 are stocked on the cart.</i>
AEM1.2.10	M	Supraglottic airway device size 5. <i>Guidance: Disposable supraglottic airway devices in sizes 3, 4 and 5 are stocked on the cart.</i>
AEM1.2.11	M	Oral airway size 8 cm. <i>Guidance: The oral airway is single-use.</i>
AEM1.2.12	M	Oral airway size 9 cm. <i>Guidance: The oral airway is single-use.</i>
AEM1.2.13	M	Oral airway size 10 cm. <i>Guidance: The oral airway is single-use.</i>
AEM1.2.14	M	ETT ties or tape. <i>Guidance: The ties and tape are single-use.</i>
AEM1.2.15	M	Syringe 10 mL. <i>Guidance: This syringe is located in the airway management drawer for inflation of the airway tube.</i>
AEM1.2.16	M	Magill forceps.
AEM1.2.17	M	Easy Cap CO2 detector.
AEM1.2.18	M	Tonsil suction catheter. <i>Guidance: At minimum, one (1) tonsil suction catheter (e.g. yankauer) is stocked on the cart in addition to the tonsil suction catheter attached to the portable suction.</i>
AEM1.2.19	M	Tracheal suction catheters. <i>Guidance: Two (2) tracheal suction catheters are stocked on the cart.</i>
AEM1.3		Emergency medications required of a class 1 facility are stocked on the emergency cart.
AEM1.3.1	M	Adenosine. <i>Guidance: Must be in sufficient quantity to provide emergency care as outlined in the ACLS algorithms. Manufacturer pre-filled syringes are preferred.</i>
AEM1.3.2	M	Amiodarone. <i>Guidance: Must be in sufficient quantity to provide emergency care as outlined in the ACLS algorithms. Manufacturer pre-filled syringes are preferred.</i>

AEM1.3.3	M	ASA non-enteric coated. <i>Guidance: One (1) small bottle of chewable aspirin is stocked on the cart. The tablets are contained in the manufacturer's packaging/bottle.</i>
AEM1.3.4	M	Atropine. <i>Guidance: Must be in sufficient quantity to provide emergency care as outlined in the ACLS algorithms. Manufacturer pre-filled syringes are required.</i>
AEM1.3.5	M	Calcium chloride or gluconate. <i>Guidance: Either Calcium chloride or calcium gluconate is stocked on the cart. Manufacturer pre-filled syringes are preferred. A minimum of two (2) vials or pre-filled syringes (10% 1 g/10 mL) totalling 2 grams are stocked on the cart.</i>
AEM1.3.6	M	Dextrose 50%. <i>Guidance: A minimum of two (2) 50 mL pre-filled syringes or vials (0.5 g/mL) totalling 50 grams are stocked on the cart. Manufacturer pre-filled syringes are preferred.</i>
AEM1.3.7	M	DiphenhydrAMINE. <i>Guidance: A minimum of two (2) vials/ampoules (50 mg/mL) totalling 100 mg are stocked on the cart.</i>
AEM1.3.8	M	Ephedrine. <i>Guidance: A minimum of two (2) vials (50 mg/mL) totalling 100 mg are stocked on the cart.</i>
AEM1.3.9	M	EPINEPHrine. <i>Guidance: Manufacturer pre-filled syringes are required. A minimum of four (4) pre-filled syringes (1 mg/10 mL) are stocked on the cart.</i>
AEM1.3.10	M	EPINEPHrine <i>Guidance: A minimum of two (2) single-dose pens of 0.3 mg EPINEPHrine or two (2) ampoules 1:1000 1mg/mL of EPINEPHrine are stocked on the cart.</i>
AEM1.3.11	M	Flumazenil. <i>Guidance: A minimum of two (2) vials (0.5 mg/5 mL) totalling 1 mg are stocked on the cart</i>
AEM1.3.12	M	Furosemide. <i>Guidance: A minimum of two (2) vials/ampoules totalling 160 mg (i.e. 100 mg/10 mL x 2 vials; 40 mg/4 mL x 4 vials) are stocked on the cart.</i>
AEM1.3.13	M	Hydralazine. <i>Guidance: A minimum of two (2) vials (20 mg/mL) totalling 40 mg are stocked on the cart.</i>
AEM1.3.14	M	Hydrocortisone. <i>Guidance: A minimum of two (2) vials (100 mg/2 mL) totalling 200 mg are stocked on the cart.</i>
AEM1.3.15	M	Labetalol. <i>Guidance: A minimum of two (2) vials (100 mg/20 mL) totalling 200 mg are stocked on the cart.</i>

AEM1.3.16	M	Lidocaine. <i>Guidance: Must be in sufficient quantity to provide emergency care as outlined in the ACLS algorithms. Manufacturer pre-filled syringes are preferred.</i>
AEM1.3.17	M	20% Lipid emulsion. <i>Guidance: A minimum volume of 500 mL is stocked on the cart. Only required if bupivacaine or ropivacaine is on site.</i>
AEM1.3.18	M	Metoprolol. <i>Guidance: A minimum of three (3) vials (5 mg/5 mL) totalling 15 mg are stocked on the cart.</i>
AEM1.3.19	M	Midazolam. <i>Guidance: A minimum of two (2) vials and a minimum of 4 mg (i.e. 2 mg/2 mL x 2 vials, 5 mg/5 mL x 2) of midazolam is located on the emergency cart or is located with the main controlled drugs and substances inventory and dedicated to the emergency cart (i.e. labelled "Emergency Use Only"). Targeted substances (e.g. benzodiazepines) must be stored in a secure environment and reasonable steps must be taken to protect any targeted substance from loss and theft. Therefore benzodiazepines and other targeted substances located on the emergency cart must be stored in a locked compartment or drawer of the emergency cart and counted as part of the start and end of day controlled drugs and substances counts. If this medication is stored with the main inventory, then the medication storage tray compartment for midazolam is labelled and redirects the team to the main inventory.</i>
AEM1.3.20	M	Magnesium sulfate. <i>Guidance: A minimum of two (2) vials (5 g/10 mL) for a total of 10 grams is stocked on the cart.</i>
AEM1.3.21	M	Morphine. <i>Guidance: A minimum of two (2) vials and a minimum of 10 mg (i.e. 1mg/mL x 10, 2mg/mL x 5, 5 mg/mL x2, 10 mg/mL x2) is located on the emergency cart or is located with the main controlled drugs and substances inventory and dedicated to the emergency cart (i.e. labelled "Emergency Use Only"). Controlled drugs and substances located on the emergency cart must be stored in a locked compartment or drawer of the emergency cart and counted as part of the start and end of day controlled drugs and substances counts. If this medication is stored with the main inventory, then the medication storage tray compartment for morphine is labelled and redirects the team to the main inventory.</i>
AEM1.3.22	M	Naloxone. <i>Guidance: A minimum of two (2) vials (0.4 mg/mL) totalling 0.8 mg is stocked on the cart. Manufacturer pre-filled syringes are preferred.</i>
AEM1.3.23	M	Nitroglycerine spray. <i>Guidance: One (1) multi-dose spray of 0.4 mg nitroglycerine per metered dose is stocked on the cart.</i>
AEM1.3.24	M	Phenylephrine. <i>Guidance: A minimum of two (2) vials (10 mg/mL) totalling 20 mg is stocked on the cart.</i>
AEM1.3.25	M	Salbutamol puffer with spacer. <i>Guidance: One (1) multi-dose puffer of 100 mcg salbutamol per metered dose with spacer is stocked on the cart. Spacers are not to be used for more than one patient. Used spacers are discarded and replaced.</i>

AEM1.3.26	M	Sodium bicarbonate. <i>Guidance: A minimum of two (2) 50 mL pre-filled syringes or vials (8.4% 50 mEq/ 50 mL) are stocked on the cart. Manufacturer pre-filled syringes are preferred.</i>
AEM1.3.27	M	Succinylcholine. <i>Guidance: A minimum of two (2) ampoules/vials and a minimum of 400 mg (i.e. 200 mg/10 mL x 2, 400 mg/20 mL x 2) is dedicated to the emergency cart. The medication storage tray compartment for succinylcholine is labelled and redirects the team to the fridge where it is stored. The required amount of succinylcholine is labelled as dedicated to the emergency cart (i.e. labelled "Emergency Use Only").</i>
AEM1.4		IV and medication preparation equipment required of a class 1 facility are stocked on the emergency cart. <i>Guidance: The drawers of the cart should be stocked according to function (i.e. airway management, medications, IV start, IV fluids and tubing, miscellaneous).</i>
AEM1.4.1	M	IV primary infusion tubing/administration sets. <i>Guidance: At minimum, two (2) macro-drip sets with access ports are located on the cart.</i>
AEM1.4.2	M	IV infusion pump tubing/administration sets. <i>Guidance: At minimum, two (2) infusion pump tubing sets without access ports and compatible with the IV infusion pump are stocked on the cart for vasopressor and/or inotrope infusion(s). If a syringe pump is used, two (2) syringes compatible with the syringe pump are stocked on the cart.</i>
AEM1.4.3	M	Normal saline. <i>Guidance: Any combination of 500 mL and 1000 mL bags totalling two liters of normal saline is stocked on the cart.</i>
AEM1.4.4	M	5% Dextrose in water. <i>Guidance: At minimum, one (1) 250 mL bag of D5W is stocked on the cart for an amiodarone infusion.</i>
AEM1.4.5	M	Minibags. <i>Guidance: At minimum two (2) 100 mL normal saline minibags are stocked on the cart for a phenylephrine infusion.</i>
AEM1.4.6	M	Tourniquet. <i>Guidance: At minimum two (2) non-latex tourniquets are stocked on the cart.</i>
AEM1.4.7	M	Alcohol swabs.
AEM1.4.8	M	Intraosseous driver. <i>Guidance: The power driver is replaced if the LED blinks red when the trigger is activated indicating that only 10% battery life remains. The life expectancy will depend on actual usage, bone density, insertion time, storage conditions and frequency of driver testing. The intraosseous driver should be tested each day procedures are scheduled.</i>
AEM1.4.9	M	Intraosseous needle 25 mm. <i>Guidance: At minimum, two (2) 25 mm needle kits with stabilizer are stocked on the cart.</i>

AEM1.4.10	M	IV extension set with clamp. <i>Guidance: At minimum, two (2) extension sets are stocked on the cart if not supplied in needle driver kit.</i>
AEM1.4.11	M	IV cannula 18G. <i>Guidance: At minimum, two (2) 18G are stocked on the cart.</i>
AEM1.4.12	M	IV cannula 20G. <i>Guidance: At minimum, two (2) 20G are stocked on the cart.</i>
AEM1.4.13	M	IV cannula 22G. <i>Guidance: At minimum, two (2) 22G are stocked on the cart.</i>
AEM1.4.14	M	Small transparent dressings.
AEM1.4.15	M	2x2 gauze.
AEM1.4.16	M	Tape.
AEM1.4.17	M	Razors. <i>Guidance: At minimum, two (2) disposable razors are stocked on the cart.</i>
AEM1.4.18	M	Medication labels. <i>Guidance: Plain labels for labeling syringes and IV bags/minibags satisfy this requirement. The label must be large enough to clearly write the name of the medication and the dose/concentration of the medication.</i>
AEM1.4.19	M	Normal saline 10 mL single-dose vials. <i>Guidance: At minimum, five (5) vials (10 mL) of non-bacteriostatic normal saline for the dilution of medication are stocked on the cart. Manufacturer pre-filled saline syringes (e.g. BD PosiFlush™) are not an appropriate substitute and are not to be used for the reconstitution or dilution of medication.</i>
AEM1.4.20	M	Syringes 10 mL. <i>Guidance: At minimum, ten (10) are stocked on the cart.</i>
AEM1.4.21	M	Needles. <i>Guidance: Various sizes of needles for a minimum total of ten (10) needles are stocked on the cart.</i>
AEM1.5		Gastric tube supplies required of a class 1 facility are stocked on the emergency cart. <i>Guidance: The drawers of the cart should be stocked according to function (i.e. airway management, medications, IV start, IV fluids and tubing, miscellaneous).</i>
AEM1.5.1	M	Gastric tube 16F. <i>Guidance: Two (2) 16F gastric tubes with anti-reflux valves are stocked on the cart.</i>
AEM1.5.2	M	Lubricant.
AEM1.5.3	M	Catheter tip syringe 60 mL.

AEM1.5.4	M	Suction tubing. <i>Guidance: One (1) suction tubing is stocked on the cart in addition to the suction tubing attached to the portable suction.</i>
AEM1.6		Additional supplies required of a class 1 facility are stocked on the emergency cart. <i>Guidance: The drawers of the cart should be stocked according to function (i.e. airway management, medications, IV start, IV fluids and tubing, miscellaneous).</i>
AEM1.6.1	M	Blood pressure equipment. <i>Guidance: The blood pressure equipment (manual or automated) is dedicated to the emergency cart (i.e. not used for routine pre/post-operative assessment and then returned to the cart when not in use).</i>
AEM1.6.2	M	Glucometer. <i>Guidance: There must be a glucometer readily available within the facility.</i>
AEM1.6.3	M	Intravenous infusion pump. <i>Guidance: There must be an intravenous infusion pump readily available within the facility. A syringe pump would also satisfy this requirement.</i>
AEM1.6.4	M	Scissors. <i>Guidance: Medical emergency scissors, also known as EMT Bandage Shears or Survival Shears, are stocked on the cart. These scissors are designed to provide powerful cutting ability and have a flat end to get safely under fabric (e.g. clothing, bandages).</i>
AEM1.6.5	M	Pen light.
AEM1.6.6	M	Sharps container. <i>Guidance: The sharps container should be located on the top of the cart or attached to the side of the cart.</i>
AEM1.6.7	M	Cuffed cricothyrotomy set or scalpel bougie set. <i>Guidance: An emergency cricothyrotomy set in a size appropriate to the facility's patient population or a disposable scalpel, bougie and 6.0 ET tube are packaged together in a labelled, clear plastic bag or container is stocked on the cart.</i>
AEM1.6.8	M	Pressure bag.
AEM1.6.9	M	Non-rebreather oxygen mask. <i>Guidance: At minimum, two (2) are stocked on the cart.</i>
AEM1.6.10	M	Simple oxygen mask. <i>Guidance: At minimum, two (2) are stocked on the cart.</i>

Summary of changes	
2019-06-28	<p>Airway equipment:</p> <ul style="list-style-type: none">• ET tube sizes revised. <p>Medications:</p> <ul style="list-style-type: none">• New medications added.• Minimum quantities specified.• Manufacturer pre-filled syringes required for some medications. <p>IV and medication preparation equipment:</p> <ul style="list-style-type: none">• Intraosseous driver and needles added. <p>Additional supplies:</p> <ul style="list-style-type: none">• Blood pressure equipment added.• Intravenous infusion pump readily available.• Scalpel bougie set as an alternate to a cuffed cricothyrotomy set. <p>Other:</p> <ul style="list-style-type: none">• Substantial format changes and guidance added.• Some supplies have been removed.



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