

## ANNEXURE – LIST OF CAPABILITIES AND MEDICATIONS

The below list of capabilities and medications must be read in conjunction with the Clinical Practice Guidelines.						
Where additional interventions and medications are indicated below, the colour key below indicates the mandatory activity that must be undertaken prior to any registered person performing an intervention or administering any medication previously not on the scope of practice. Where the skill/medication is used in the absence of such activity, providers will be seen to be acting outside of their scope of practice.						
Approved PBEC-CPD Activity without formal assessment. Where a skill is involved, this may involve practical performance of the skill.						
Approved PBEC-CPD Activity with formal assessment. Where a skill is involved, this may involve practical performance of the skill.						
CAPABILITY	CATEGORY OF REGISTRATION					
	BAA	AEA	ECT	ECA	ANT	ECP
AIRWAY MANAGEMENT						
Basic manual airway manoeuvres	x	x	x	x	x	x
Suctioning of the airway – upper	x	x	x	x	x	x
Suctioning of the airway – (endotracheal)					x	x
Suctioning of the airway – (extraglottic)				x	x	x
Manual airway obstruction manoeuvres (conscious choking patient)	x	x	x	x	x	x
Use of Magill's forceps/equivalent			x	x	x	x
Oropharyngeal airway insertion	x	x	x	x	x	x
Nasopharyngeal tube airway insertion	x	x	x	x	x	x
Endotracheal intubation facilitated by induction, neuromuscular blockade, mechanical ventilation and airway adjuncts						x
Endotracheal Intubation - non-drug facilitated or via deep sedation techniques	NOT TO BE PERFORMED					
Video Laryngoscopy						x
Supraglottic/extraglottic airway devices insertion (CA - Cardiac Arrest)			x	x (CA)	x	x
Oro/nasogastric tube insertion			x		x	x
Needle cricothyroidotomy		x	x	x	x	x
Surgical cricothyroidotomy (adolescent/adult) – Commercial Device Recommended			x		x	x

OXYGENATION AND VENTILATION	CATEGORY OF REGISTRATION					
	BAA	AEA	ECT	ECA	ANT	ECP
Oxygen administration	x	x	x	x	x	x
Nebulization of medications on scope of practice	x	x	x	x	x	x
Use of pulse oximetry	x	x	x	x	x	x
Needle thoracentesis (Adult and paediatric)		x	x	x	x	x
Needle thoracentesis (Neonate)						x
Bag-valve mask manual ventilation	x	x	x	x	x	x
Bag-valve tube manual ventilation	x	x	x	x	x	x
Interfacility Mechanical Ventilation (Paediatric and Adult - without cardiovascular support)					x	x
Mechanical Ventilation (Neonate)						x
Non-invasive ventilation with Mechanical Ventilator					x	x
Non-invasive ventilation – oxygen driven (without mechanical ventilator)			x	x	x	x
Mechanical Infant Resuscitator			x	x	x	x
Use of capnography/capnometry – via endotracheal tube/extraglottic device				x	x	x
Use of capnography/capnometry - via facemask/nasal cannula		x	x	x	x	x
Humidification					x	x

CIRCULATORY MANAGEMENT	CATEGORY OF REGISTRATION					
	BAA	AEA	ECT	ECA	ANT	ECP
Blood pressure measurement including the use of NIBP (automated).	x	x	x	x	x	x
Peripheral intravenous cannulation as per relevant protocol – limbs and hands (All ages >1year old)		x	x	x	x	x
Peripheral intravenous cannulation as per relevant protocol – limbs and hands (<1year old)					x	x
Peripheral intravenous cannulation as per relevant protocol – (Infant scalp)						x
External jugular vein cannulation					x	x
Intra-osseous insertion All Ages			x		x	x
Intra-osseous insertion – Adult			x	x	x	x
Umbilical vein cannulation			x		x	x
Intravenous fluid therapy (for purposes other than drug administration - Adult)		x	x	x	x	x
Intravenous fluid therapy (for purposes other than drug administration – Infant and Paediatric)			x		x	x
Oral rehydration	x	x	x	x	x	x
Oral Rehydration via NGT					x	x
Intravenous/intraosseous drug administration as per scope of practice		x	x	x	x	x
Subcutaneous drug administration as per scope of practice		x	x	x	x	x
Intramuscular drug administration as per scope of practice		x	x	x	x	x

CIRCULATORY MANAGEMENT	CATEGORY OF REGISTRATION					
	BAA	AEA	ECT	ECA	ANT	ECP
Endotracheal drug administration					X	X
Use of intravenous infusion devices including pressure infuser, volumetric infusion pump and syringe driver			X		X	X
External haemorrhage control including use of tourniquet	X	X	X	X	X	X
Topical Haemostatic Agents	X	X	X	X	X	X
Use of pneumatic anti-shock garment		X	X	X	X	X
Use of non-pneumatic anti-shock garment		X	X	X	X	X
Automated external defibrillation	X	X	X	X	X	X
Manual defibrillation (asynchronous)		X	X	X	X	X
Precordial thump	X	X	X	X	X	X
Synchronised cardioversion					X	X
Vagal manoeuvres					X	X
Central line management of lines in-situ					X	X
Transcutaneous cardiac pacing					X	X
3-Lead ECG monitoring and diagnosis as per scope of practice		X	X	X	X	X
12-Lead ECG Diagnosis						X
Fibrinolysis (With documented telemetry or equivalent)						X
Targeted Temperature Management (inter-facility transfer and where capabilities exist)						X

OBSTETRIC MANAGEMENT	CATEGORY OF REGISTRATION					
	BAA	AEA	ECT	ECA	ANT	ECP
Normal vaginal delivery as per scope of practice	x	x	x	x	x	x
Prolapsed cord management as per scope of practice	x	x	x	x	x	x
Breech delivery management as per scope of practice	x	x	x	x	x	x
Mal-presentations management as per scope of practice	x	x	x	x	x	x
Preterm labour management as per scope of practice	x	x	x	x	x	x
Obstructed labour management as per scope of practice	x	x	x	x	x	x
Post-partum haemorrhage management as per scope of practice	x	x	x	x	x	x
DIAGNOSTIC AND CLINICAL AIDS	CATEGORY OF REGISTRATION					
	BAA	AEA	ECT	ECA	ANT	ECP
Use of ultrasound					x	x
Fundoscopy						x
Use of an otoscope						x
Use of a Snellen Chart						x
Arterial blood gas sampling and analysis						x

GENERAL	CATEGORY OF REGISTRATION					
	BAA	AEA	ECT	ECA	ANT	ECP
Cardiac arrest management (adult, child, infant & neonate) as per scope of practice	x	x	x	x	x	x
Clinical assessment (as per level of care)	x	x	x	x	x	x
Vital Sign Assessment	x	x	x	x	x	x
Finger prick and blood glucose measurement (manual and electronic)	x	x	x	x	x	x
Peak flow measurement and interpretation		x	x	x	x	x
Point of Care Blood Sampling (Capillary)					x	x
Cervical spinal clearance		x	x	x	x	x
Spinal Movement Restriction <sup>1</sup>	x	x	x	x	x	x
Application of limb splints	x	x	x	x	x	x
Application of pelvic binding devices	x	x	x	x	x	x
Application of vacuum mattress	x	x	x	x	x	x
Urinary catheterization					x	x
Emergency wound care as per scope of practice	x	x	x	x	x	x
Suturing						x
Withdrawal of resuscitation efforts		x	x	x	x	x
Withholding resuscitation <sup>2</sup>	x <sup>2</sup>	x	x	x	x	x
On-scene discharge <sup>3</sup>						x
Inter-facility transfer as per relevant scope of practice	x	x	x	x	x	x
Use of an incubator	x	x	x	x	x	x

\* Mandatory Senior Emergency Care Practitioner and/or Supervising Medical Officer consultation required

LIST OF MEDICATIONS (ROUTE OF ADMINISTRATION) <sup>4,5</sup>	CATEGORY OF REGISTRATION					
	BAA	AEA	ECT	ECA	ANT	ECP
Acetyl Salicylic Acid	x	x	x	x	x	x
Activated Charcoal	x	x	x	x	x	x
Adenosine					x	x
Adrenaline – use in anaphylaxis and cardiac arrest		x	x	x	x	x
Adrenaline			x*		x	x
Amiodarone Hydrochloride			x		x	x
Atropine Sulphate - use in toxidrome			x	x	x	x
Atropine Sulphate			x		x	x
Betamethasone						x*
Calcium Chloride/Calcium Gluconate					x	x
Clopidogrel					x	x
Hydrocortisone (IV)		x	x	x	x	x
Methylprednisolone (IV)		x	x	x	x	x
Dexamethasone						x*
Dextrose Intravenous (Adult)		x	x	x	x	x
Dextrose Intravenous (Paediatric and Neonate)		x	x		x	x
Dopamine						x*
Diazepam			x	x	x	x
Dobutamine						x*
Enoxaparin						x

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LIST OF MEDICATIONS (ROUTE OF ADMINISTRATION) <sup>4,5</sup>	CATEGORY OF REGISTRATION					
	BAA	AEA	ECT	ECA	ANT	ECP
Etomidate						X
Fentanyl (Intravenous)					X*	X
Fentanyl (Intranasal)					X*	X
Flumazenil (only in cases of iatrogenic benzodiazepine overdose)			X	X	X	X
Flumazenil						X
Furosemide					X	X
Glucagon		X*	X	X	X	X
Glyceryl Trinitrate			X		X	X
Heparin Sodium						X
Hydralazine						X*
Ipratropium Bromide	X	X	X	X	X	X
Ketamine – Intravenous					X	X
Ketamine – Intramuscular					X	X
Ketamine - Intranasal					X	X
Labetalol						X
Lignocaine hydrochloride (IO Flush – Local Anaesthetic)			X	X	X	X
Lignocaine hydrochloride (systemic – arrhythmia management)						
Lorazepam			X	X	X	X
Magnesium Sulphate (Intramuscular)		X*	X	X	X	X
Magnesium Sulphate (Intravenous)			X		X	X



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	BAA	AEA	ECT	ECA	ANT	ECP
Medical oxygen	x	x	x	x	x	x
Metoclopramide monohydrochloride			x		x	x
Midazolam			x	x	x	x
Morphine Sulphate			x*		x	x
Naloxone hydrochloride		x*	x	x	x	x
Neostigmine						x
Nifedipine (Oral/IV)						x*
Nitrates (Intravenous)						x*
Nitrous oxide	x	x	x	x	x	x
Ondansetron						x
Oral glucose powder/gel	x	x	x	x	x	x
Oxytocin			x*		x*	x
Paracetamol (Oral)					x	x
Paracetamol (Intravenous)					x*	x
P2Y12 Inhibitors						x*
Prednisolone (Oral)			x		x	x
Promethazine			x		x	x
Procainamide						x
Rocuronium						x
Sodium Bicarbonate 8.5%					x	x
Sotalol						x*

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LIST OF MEDICATIONS (ROUTE OF ADMINISTRATION) <sup>4,5</sup>	CATEGORY OF REGISTRATION					
	BAA	AEA	ECT	ECA	ANT	ECP
Sugammadex						X
Streptokinase						X
Suxamethonium Chloride						X
Tenecteplase						X
Thiamine		X	X	X	X	X
Tranexamic Acid					X	X
Vecuronium						X
β <sub>2</sub> Stimulants (inhaled)	X	X	X	X	X	X
β <sub>2</sub> Stimulants (systemic)			X		X	X
Non-Steroidal Anti-Inflammatories (non-IV)					X	X
GPIIb/IIIa Inhibitors						X*
Direct Thrombin Inhibitors						X*
Pentroxifyflurane	X	X	X	X	X	X
Cyanide antidotes (within occupational health and safety system)					X	X
Anti-emetic (oral only – within remote site medicine scenario)						X
Anti-spasmodics (oral only – within remote site medicine scenario)						X
Anti-diarrhoeals (oral only – within remote site medicine scenario)						X

## IMPORTANT ADDITIONAL NOTES (also see superscripts)

1. Includes the use of all evidence-based spinal motion restriction devices.
2. In the context of decapitation, mortal disfigurement, post-mortem lividity and putrefaction.
3. This implies that a formal clinical assessment and patient information session including subsequent referral/re-entry into the health system has been discussed with the patient. This process does not refer to a "refusal of hospital transport (RHT)" scenario.
4. <b>IMPORTANT</b> - Use of additional medications not currently on the relevant scopes of practice is pending approval of the South African Health Products Regulatory Authority. The Professional Board will communicate to providers once this has occurred. Based on the approval, this list of medications may be subject to change.
5. CPD activities in relation to these medications may commence whilst awaiting regulatory approval
Where additional skills/medications not previously on the scope of practice, have formed part of a Higher Education Institution PBEC-approved curriculum (including a formal assessment of such skills/medications) a PBEC-approved CPD activity is not mandatory. This is still, however, recommended.
All interventions and medications are to be performed and administered within the Clinical Practice Guidelines and a locally relevant standard of care. Clinical governance structures shall support these guidelines.
Where the list of capabilities indicates "...within scope of practice", this implies in relation to the medications available to the category of registration and related PBEC- approved education/training.
In relation to PBEC - approved CPD activities - where skills are concerned, the content of the activity must include indications, contraindications, risks, benefits and a description (either diagrammatic and/or demonstration) of the skill.
In relation to PBEC - CPD activities - where medications are concerned, the content of the activity must include the class of drug, schedule of drug, packaging of drug, storage of drug, mechanism of action, indications, contraindications, side-effects, technique/route of administration and recommended dosing range.