## Corporate Standardization Products for Paramedics and Senior Services

Product	Description	Manufacturer	Rationale	Estimated 5 Year Value
EasyCare RAH Low HT Electric Beds and EasyCare RAH Low HT Electric Expandible Deck Beds	HT Electric Beds and beds EasyCare RAH Low HT Electric Expandible	Joerns Healthcare Canada Inc.	Most electric beds at the Newmarket Health Centre and the Maple Health Centre are manufactured by Joerns. Having other makes and models with differing electro-mechanical functionality can hinder the efficient provision of resident care due to staff's lack of familiarity with the functional aspects of each bed. Maintenance staff have been trained in the operation and repair of Joerns beds and have access to an in-house inventory of parts. Having an approved standard product provides for a contingency plan if a bed needs to undergo repair. Beds are typically replaced every 10 years.	\$459,012.00
			The advantage of the EasyCare RAH Low HT Electric Expandible Deck Bed is that it can easily be converted to a Biaratric bed.	
		Each home must meet the regulatory requirements for the provision of beds; the Joerns bed products meet the Home's obligations under O. Reg. 246/22 of the <i>Fixing Long-Term Care Act</i> , 2021 Establishing the EasyCare RAH Low HT Electric Beds and EasyCare RAH Low HT Electric Expandible Deck Beds manufactured by Joerns Healthcare Canada Inc. as corporate standards for the next five years will enable the Newmarket and Maple Health Centers to comply with these obligations.		
Ballistic Vests, Armour and Plates	Body Armour	TYR Tactical Canada	As per the Operating Agreement between York Regional Police (YRP) and York Region Paramedic Services (YRPS) for the Special Response Unit, in consultation with YRP, YRPS will purchase the necessary safety equipment for designated Paramedics such as: ballistic vests, helmets, respirators, and other related equipment to ensure their safety. This equipment shall remain the property of YRPS and will not normally be worn as a regular duty uniform but will be used during YRP related operations.	\$138,000.00
			Establishing the ballistic vests, armour and plates manufactured by TYR Tactical Canada for the Paramedic Services Special Response Unit as a corporate standard for the next five years will:	
		Provide for a safer, quicker emergency medical response at the scene of a tactical or other YRP related operation		
			Enhance safe mission accomplishment for both agencies	
			<ul> <li>Reduce death, injury, illness and related complications among Police Officers, Paramedics, civilians, suspects and/or subjects of the incident</li> </ul>	

Product	Description	Manufacturer	Rationale	Estimated 5 Year Value
Primagard PG-1073 Level 3 Surgical Masks	Medical face coverings	PRIMED Medical Products Inc.	Infection Prevention and Control (IPAC) standards require workers in a medical setting to use personal protective equipment to ensure staff safety while in close contact with another individual (less than 6 feet) or any indoor setting as well as attending to patients.	\$162,000.00
			When driving the ambulance, staff encountered decreased visibility due to eye protection (prescription glasses, or IPAC recommended goggles) fogging while wearing typical surgical masks. This risk was escalated as a Health and Safety concern to the Joint Occupational Health and Safety Committee.	
			As an outcome of market research and product testing, staff identified the Primagard PG-1073 Level 3 Surgical Mask, manufactured by PriMED Medical Products Inc. as the only product available that eliminates the fogging and visibility risk while driving.	
			Establishing the Primagard PG-1073 Level 3 Surgical Masks manufactured by PRIMED Medical Products Inc. as a corporate standard for the next five years eliminates the health and safety concern regarding eye protection fogging and limited visibility for current and future mandates which involve wearing a surgical mask.	
Insyte™ Autoguard™ shielded IV catheter	A device which all IV certified Paramedics use	Bencton, Dickinson and Company (BD)	Intravenous Catheters are mandated in the Advanced Life Support Patient Care Standards v4.9 for ACP Paramedics as an auxiliary directive. Intravenous Catheters are also mandated in the Provincial Equipment Standards for Ontario Ambulance Services v3.6 (No. 175).	\$250,000.00
to initiate an intravenous (IV) line in patients which allows administering of fluids and medications to patients	intravenous (IV) line in patients	ts	As an outcome of market research and product testing, staff identified the Insyte™ Autoguard™ shielded IV catheter as the Intravenous catheter that provided the best efficiency in patient care with the additional safeguards for Paramedics.	
		The use of the safety IV catheter manufactured by BD eliminates accidental needle puncture injuries to Paramedic Services staff. The Insyte™ Autoguard™ shielded IV catheter incorporates advanced safety features including a push button that instantly retracts the needle, helping reduce the risk of accidental needle puncture injuries.		
	panomo		Establishing the Insyte™ Autoguard™ shielded IV catheter manufactured by Bencton, Dickinson and Company as a corporate standard for the next five years will continue to reduce needle puncture injuries to staff and maintain product compatibility with current catheters and accessories.	

Product	Description	Manufacturer	Rationale	Estimated 5 Year Value
ChitoSAM	Dressing that promotes clotting and is used on patients that have uncontrolled bleeding after a tourniquet is applied or is contraindicated due to the physical location of severe bleed	SAM Medical	SAM ChitoSAM is Hemostatic Dressing used for patients presenting with uncontrolled bleeding. Hemostatic dressing is mandated in the Basic Life Support Patient Care Standards v3.3. Hemostatic dressings are also mandated in the Provincial Equipment Standards for Ontario Ambulance Services v3.6. (No. 092).  In 2021, Celox, the manufacturer of hemostatic dressing, used by York Region Paramedic Services, lost its Health Canada licence, prompting the need to source a replacement product. As a result of market research, it was determined there were no products on the market that had a 1-minute hands-on time for proper application. The ChitoSAM was determined to be the closest product in dimension and application, which requires 3 minutes hands-on time for proper application. All Paramedics received training on this new product as a result of the change.  Establishing the ChitoSAM hemostatic dressing manufactured by SAM Medical hemostatic dressing as a corporate standard for the next five years will ensure adherence to mandated specifications as dictated by Health Canada.	\$52,000.00
I-Gel	A single use medical device which is used to maintain and protect an unresponsive patient's airway	Intersurgical Ltd.	Supraglottic airways are mandated in the Provincial Equipment Standards for Ontario Ambulance Services v3.6. (No. 092) as well as the Advanced Life Support Patient Care Standards v4.9.  As a result of COVID-19, Supraglottic advanced airways are currently being recommended by the Ontario Base Hospital Group (OBHG) including the Central East Prehospital Care Program as the primary airway to be used in cardiac arrest due to the ease of use, and reduced risk of aerosolizing droplets when inserting into a patient's airway.  As an outcome of market research and product testing, staff identified the I-gel manufactured by Intersurgical as the best available advanced airway in the marketplace allowing all Paramedics, regardless of certification level, to provide an advanced airway to patients with a very high success rate.  Paramedic Services, Professional Practice, advises that the impact of changing the product would require approximately 1,095 staff hours to complete the training required by combined online learning, facilitated learning time and facilitator observed hands on practice. If the product was changed it would be require the replacement of all current stock as well as redesigning Paramedic response bag specifications.	\$215,000.00

Product	Description	Manufacturer	Rationale	Estimated 5 Year Value
Vital View Laryngoscope Handle and Blades	Used to lift the tongue and epiglottis allowing Advanced Care Paramedics to view into a patient's airway before inserting an endotracheal tube or remove an object from the airway when a patient is choking	Vyaire Medical Inc.	Laryngoscope handle and blades are mandated in the Provincial Equipment standards for Ontario Ambulance Service v3.6 (No. 200) as well as the Advanced Life Support Patient Care Standards v4.9.  Paramedic Services, Professional Practice, advises that the impact of changing this product will require 525 staff hours to complete the training required by combined online learning, facilitated learning time and facilitator observed hands on practice. A product change would necessitate a service-wide replacement of all handles and blades to ensure compatibility.  Establishing the Vital View Laryngoscope handle and blades manufactured by Vyaire Medical Inc. as a corporate standard over the next five years will ensure compatibility with the Vyaire Vital View system, which includes reusable Laryngoscope handle and disposable blades.	\$38,000.00
Meconium Aspirator	Gently and efficiently suction of excrement from a newborn's airway	NEOtech	Meconium aspirator is mandated in the Provincial Equipment Standards for Ontario Ambulance Services v3.6 (No.A-915), the Advanced Life Support Patient Care Standards v4.9 and the Basic Life Support Patient Care Standards v3.3.  As an outcome of market research and product testing it was confirmed that the Neotech Meconium Aspirator is the only device that meets the standard.  Establishing the Meconium Aspirator manufactured by NEOtech as a corporate standard over the next five years will ensure that current practices are maintained and compatibility with the size 3 endotracheal tube.	\$1,200.00
V-vac manual suction device	Backup suction device in the event of powered suction unit failure	Laerdal Medical	A hand operated suction unit is mandated in the Provincial Equipment Standards for Ontario Ambulance Services v3.6 (No. 380). The V-vac is a device used by all Ontario Colleges in the training of student Paramedics and is used by most services in Ontario.  Establishing the V-vac suction device manufactured by Laerdal Medical as a corporate standard over the next five years will ensure compatibility with all existing V-vac supplies.	\$5,200.00

Product	Description	Manufacturer	Rationale	Estimated 5 Year Value
Contour Next Blood Glucose Meter, Solutions and test strips	System designed to monitor a patient's blood sugar level	Ascensia Diabetes Care Holdings AG.	Provincial Equipment Standards for Ontario Ambulance Services v3.6 requires glucometers to have a functional error range not exceeding +/- 15%. The Contour Next Blood Glucose meter meets this range in both adult and pediatric patients, thus making it the only glucometer currently used by all Ontario Paramedic Services agencies. The accessories required for the blood sugar monitor includes test strips, calibration and test solutions.  Establishing the Contour Next Blood Glucose Meter manufactured by Ascensia Diabetes Care as a corporate standard over the next five years will ensure that York Region Paramedic Services continues adherence to a corporate standard accepted by all Ontario Paramedic Services agencies.	\$135,000.00
Continuous positive airway pressure (CPAP) units	Delivers pressurized air to a patient in severe respiratory distress which is supplied by oxygen from a portable tank	O_Two Medical Technologies, Inc.	The use of a continuous positive airway pressure unit is mandated in the Provincial Equipment Standards for Ontario Ambulance Services v.3.6 as well as the Advanced Life Support Patient Care Standards v4.9.  As a result of market research and product testing the CPAP unit manufactured by O_Two Medical Technologies was identified as being the only product that is compatible with the Advanced Life Support Patient Care Standards v4.9 and adheres to Provincially mandated patient oxygen dosing standards.  Establishing the CPAP unit manufactured by O_Two Medical Technologies as a corporate standard over the next five years will ensure ongoing compatibility with currently used portable oxygen tanks and enable Paramedics to provide safe and efficient care to patients.	\$82,000.00

Product	Description	Manufacturer	Rationale	Estimated 5 Year Value
Thermoscan Pro 6000	A thermometer system, which includes probe covers, is a tool	Welch Allyn Braun	The use of a thermometer is mandated by the Provincial Equipment Standards for Ontario Ambulance Services v3.6 (No.406). The Pro 6000 Thermometer manufactured by Welch Allyn Braun meets the requirements of the Ministry of Health Directive, is approved for use in a professional clinical setting and is easily cleaned and disinfected.	\$170,000.00
	used to take a temperature reading on		As a result of market research and product testing the Thermoscan Pro 6000 was determined to be more accurate and reliable than contactless thermometers which are prone to providing false readings in extreme weather conditions.	
	patients		The Thermoscan Pro 6000 thermometer is currently stored in the defibrillators pouch, changing products may lead to compatibility issues based on alternative product dimensions.	
			Establishing the Thermoscan Pro 6000 thermometer manufactured by Welch Allyn Braun as a corporate standard standard over the next five years will result in accurate temperature readings as taken by Paramedics.	
The Sager bi-lateral traction splint	Device which uses traction to align a large,	uses traction to align a large, ractured bone  Washington, Inc.	A traction splint is mandated by the Provincial Equipment Standards for Ontario Ambulance Services v3.6 (No.340). The Ferno Sager bi-lateral traction splint is the standard for all Ontario Paramedic Services agencies.	\$45,000.00
	fractured bone		Establishing the Sager bi-lateral traction splint manufactured by Ferno-Washington, Inc. as a corporate standard over the next five years will ensure continued compliance with legislation requirements and product compatibility with all Ontario Paramedic Services agencies.	
Prep razor edges used to Pe	es used to Personal Care	The double-sided prep razor manufactured by Edgewell Personal Care Group was sourced based on a Health and Safety concern because the previous model was causing injury when removing the safety cover.	\$10,300.00	
	proper contact for defibrillation pads		As a result of market research and product testing, the double-sided razor manufactured by Edgewell Personal Care Group was identified as the best option for use in the field. The razor is used to shave hair off contact sites for defibrillator pads and monitoring electrodes.	
			Establishing the Personna double sided prep razor manufactured by Edgewell Personal Care Group as a corporate standard over the next five years will ensure the continued safety of Paramedics and prevent future injuries.	

Product	Description	Manufacturer	Rationale	Estimated 5 Year Value
Covidien 1 qt and 5 litre sharps containers	Device to safely dispose of biological hazard materials such as used needles and broken medication vials	Medtronic	Sharps containers are mandated by the Provincial Equipment Standards for Ontario Ambulance Services v3.6 (No.320).  The sharps containers manufactured by Medtronic fit specifically designed locations in each ambulance (two per ambulance). Although staff have sourced in-ambulance sharps containers from other manufacturers, they do not fit the specifically designed locations.  Establishing the sharps containers manufactured by Medtronic as a corporate standard over the next five years will ensure continued compatibility with the current in-ambulance design.	\$10,000.00
Lidodan Endotracheal Nozzles	Device attaches to the current lidocaine (numbing agent) bottle to spray in a patient's oropharynx to facilitate intubation in patients that are responsive	Odan Laboratories Ltd.	Odan Laboratories Ltd. is the supplier of Lidocaine Hydrochloride, a medication used to numb the back of the throat when inserting an endotracheal tube. The product comes in a spray bottle.  Endotracheal Nozzles manufactured by Odan Laboratories Ltd. are designed to be compatible with the Lidodan spray bottle.  Establishing the Lidodan Endotracheal Nozzles manufactured by Odan Laboratories Ltd. as a corporate standard over the next five years will ensure continued compatibility with current equipment.	\$36,800.00
Adjustable ACE Collar (Adult and Pediatric)	Used to maintain neck immobilization for patients that have suffered trauma that could cause spinal injures	AMBU Inc.	A Cervical Collar is mandated by the Provincial Equipment Standards for Ontario Ambulance Services v3.6 (No.070); its use is outlined in the Basic Life Support Patient Care Standards v3.3. Market research demonstrated that the Adjustable ACE collar by AMBU Inc. is the most versatile product available due to a size adjusting mechanism that is built into the unit, which adjusts the Cervical Collar to 16 different sizes. This benefits the patient as it adjusts perfectly to a comfortable size quickly and efficiently and is easily applied in any position.  Establishing the ACE Collar manufactured by AMBU Inc. as a corporate standard over the next five years will assist Paramedics in maintaining c-spine protection while providing safety and comfort to patients.	\$175,000.00

Product	Description	Manufacturer	Rationale	Estimated 5 Year Value
The FLO2Max oxygen therapy masks	A filter incorporated in the exhalation	BLS Systems Ltd.	Oxygen therapy masks are mandated by the Provincial Equipment Standards for Ontario Ambulance Services v3.6 (No255); its use is outlined in the Basic Life Support Patient Care Standards v3.3.	\$170,000.00
	valve which allows for better safety for health care providers		The Flo2Max Oxygen Mask provides a submicron, hydrophobic filter which creates a closed mask breathing system filtering 99.99% of particles exhaled by a patient. The mask provides additional protection against droplet and airborne infections and has been used by York Region Paramedics since the start of the COVID-19 pandemic. This mask also provides the ability to provide nebulized medications for patients.	
			Preliminary market research indicates that equivalent products do not exist in the marketplace. Staff will confer with EMS agencies in the GTHA to confirm. In the meantime, establishing the Flo2Max oxygen masks manufactured by BLS Systems Ltd. as a corporate standard over the next five years will reduce the risk of workplace exposures to staff providing care to patients with a respiratory illness.	
Steri-Cath closed suction system (10& 14Fr)	A system that allows deep suction into a patient's lungs while eliminating aerosolized	Suction Catheters are mandated by the Provincial Equipment Standards for Ontario Ambulance Services v3.6 (No.360); its use is outlined in the Advanced Life Support Patient Care Standards v4.9.  The closed suction system exceeds the standard by increasing the safety of Paramedics by isolating the catheter that is introduced into the Endotracheal Tube, thus creating a closed system that significantly reduces the risk of airborne and droplet particles.	\$78,400.00	
	particles		As a result of market research and product testing the Steri-Cath closed suction system manufactured by Smith Medical Inc. was identified to be the safest device for the application of deep suction by Advanced Care Paramedics.	
			Establishing the Steri-Cath closed suction system manufactured by Smith Medical Inc. as a corporate standard over the next five years will ensure that Paramedics continue to be protected during a respiratory outbreak.	

Product	Description	Manufacturer	Rationale	Estimated 5 Year Value
800cc Hydrophobic Rigid Suction Canister	A canister that fits to the Impact Suction unit that is installed in every ambulance	Bemis Manufacturing Co.	Suction Unit collection containers are mandated by the Provincial Equipment Standards for Ontario Ambulance Services v3.6 (No. 375).  Suction collection containers must be compatible with the Impact Suction unit and the canister holder installed in every ambulance.  Establishing the 800cc Hydrophobic Rigid Suction Canister manufactured by Bemis Manufacturing Co. as a corporate standard over the next five years will ensure continued compatibility with the inambulance design.	\$4,300.00
Quick Connect Straps	Device that acts as a seatbelt for patient conveyance equipment	Ferno- Washington, Inc.	Restraining straps for Adjustable break away and Spinal boards are mandated by the Provincial Equipment Standards for Ontario Ambulance Services v3.6 (No.305).  The Ferno Quick connect straps manufactured by Ferno-Washington, Inc. are compatible with current conveyance systems and in-ambulance design. A product change would necessitate the replacement of all in-ambulance strap mechanisms.  Establishing the retraining straps manufactured by Ferno-Washington, Inc. as a corporate standard over the next five years will ensure compatibility with existing equipment.	\$32,000.00
Kendrick Extrication Device and accessories	Used in extrication of patients in traffic collisions from motor vehicles while immobilizing the patient's spine	Ferno- Washington, Inc.	A Spinal Immobilization Extrication Device is mandated by the Provincial Equipment Standards for Ontario Ambulance Services v3.6 (No.330); its use is outlined in the Basic Life Support Patient Care Standards v3.3. The Kendrick Extrication Device is the standard for all Ontario Paramedic Services agencies.  Paramedic Services, Professional Practice, advises that the impact of changing this product would require 1,095 staff hours to complete the training required by combined online learning, facilitated learning time and facilitator observed hands on practice.  Establishing the spinal immobilization extrication device manufactured by Ferno-Washington, Inc. as a corporate standard over the next five years will ensure compatibility with current equipment.	\$11,800.00

Product	Description	Manufacturer	Rationale	Estimated 5 Year Value
Pedimate and Neomate	Used to transport small patients safely. Item acts as a car seat that attaches quickly to the power pro stretchers	Ferno- Washington, Inc.	The Pedimate and Neomate are infant restraint devices manufactured by Ferno and are mandated by the Provincial Equipment Standards for Ontario Ambulance Services v3.6 (No.165).  The device is used by all Ontario Paramedic Services agencies and universally fits onto all stretchers.  Establishing the Pedimate and Neomate restraint devices manufactured by Ferno-Washington, Inc. as a corporate standard over the next five years adheres to the standard accepted by all Ontario Paramedic Services agencies.	\$21,400.00
Vinyl Pole Stretcher	Allows a patient to be extricated by means of a mobile carrying stretcher	Ferno- Washington, Inc.	The pole stretcher is mandated by the Provincial Equipment Standards for Ontario Ambulance Services v3.6 (No. 355).  The stretcher is used by all Ontario Paramedic Services agencies.  Establishing the Vinyl Pole Stretcher (109) manufactured by Ferno-Washington, Inc. as a corporate standard over the next five years adheres to the standard accepted by all Ontario Paramedic Services agencies.	\$23,000.00
Ergoslide Plus 2300	Used to transfer patients from one bed to another safely without lifting	Prism Medical	The Ergoslide plus 2300 is a device for transferring patients between two locations. The device was introduced to reduce injuries to Paramedics by limiting the number of lifts required. Every Paramedic has been trained on the use of this device.  As a result of market research and product testing, the device was determined to be the best product for Paramedic Services as it is easily rolled and folded due to its design.  Paramedic Services, Professional Practice, advises that the impact of changing this product would require 500 staff hours to complete the training required by combined online learning, facilitated learning time and facilitator observed hands on practice.  Establishing the Ergoslide Plus 2300 manufactured by Prism Medical as a corporate standard over the next five years will ensure compatibility with current equipment.	\$78,200.00

Product	Description	Manufacturer	Rationale	Estimated 5 Year Value
Half Face Respirator - 7500	Personal protective device used by Paramedics as protection from airborne and droplet based respiratory illness	The 3M Company	A Particulate Respirator mask is mandated by the Provincial Equipment Standards for Ontario Ambulance Services v3.6 (No.290).  The 3M 7500 series Half-Face Respirator is York Region Paramedics' secondary respirator mask; the primary respirator mask is 3M's Powered Air Purifying Respirator (PAPR).  Staff have worked with 3M to customize the 7500 series Half-Face Respirator to accommodate one respirator cartridge instead of 2.  Should another manufacturer's product be selected, Paramedic Services would have to discard approximately \$237,000 of proprietary 3M cartridges currently in inventory.  Establishing the 7500 Half Face respirator manufactured by The 3M Company as a corporate standard over the next five years will protect Paramedics from airborne and droplet based respiratory illness.	\$20,000.00
TR-600 Powered Air Purifying Respirator and Related Equipment	Provides 150% better protection than 3M N95 masks	The 3M Company	The 3M Company's Powered Air Purifying Respirators (PAPR) TR-600 and accessories have been used by York Region Paramedics since early 2021 to provide increased protection for front-line staff during the COVID-19 pandemic. The PAPR units provide a sustainable more environmentally friendly solution than disposable N95 masks.  If an alternate product were to be purchased there would be a significant financial impact as all current PAPR equipment would have to be disposed as the TR-600 Powered Air Purifying Respirator is a proprietary product.  Establishing the TR-600 PAPR manufactured by The 3M Company as a as a corporate standard over the next five years will provide a long term sustainable solution to protect front-line Paramedics.	\$70,000.00
Original Equipment Manufacturer (OEM) parts for Paramedic Services' Emergency Support Unit	Replacement parts for Paramedic Services' Emergency Support Unit	International	For Paramedic Services' Emergency Support Unit.  Establishing the Original Equipment Manufacturer (OEM) parts supplied by International as corporate standards for the next five years will ensure MOHLTC certification and compliance and maintain warranties.	\$20,000.00

Product	Description	Manufacturer	Rationale	Estimated 5 Year Value
Vehicle laptop docking stations	Customized docking stations for CF-20 laptops in Paramedic vehicles	Gamber-Johnson LLC	For customized docking stations on Paramedic vehicles.  Establishing the CF-20 laptop docking station supplied by Gamber-Johnson LLC as a corporate standard for the next five years will ensure that that laptops are properly secured and charged in between calls.	\$20,000.00
Decal material for Paramedic vehicles	Decal material for Paramedic vehicles	3M Company	Decals are applied to the exterior flat surfaces of an ambulance. The 3M material offers high visibility at night which addresses Paramedic safety concerns around visibility.  Establishing the decal material supplied by 3M Company as a corporate standard for the next five years will ensure decal design and colour compatibility with the existing Ambulance fleet.	\$75,000.00
Decal material for Paramedic vehicles	Decal material for Paramedic vehicles	Oralite (Reflexite Canada Inc.)	The Oralite decal material forms well around the curves in the body panels of PS Emergency Response Vehicles due to the thickness of the material; other decal materials used lift and peel back due to frequent power washing.  Establishing the decal material supplied by Oralite (Reflexite Canada Inc.) as a corporate standard for the next five years will ensure decal design and colour compatibility with the existing Emergency Response Vehicle fleet.	\$50,000.00

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