

**COVER PAGE**  
**Eagle County Health Service District**  
**Request for Bids (RFB)**

**Host Public Agency:** *Eagle County Health Service District*  
**Marketing Agencies:** *Savvik Buying Group and Public Safety Association Inc*

Eagle County Health Service District a quasi-municipal corporation and political subdivision of the State of Colorado d/b/a Eagle County Paramedic Services (hereinafter defined and referred to as "Principal Procurement Agency"), on behalf of itself and the Public Safety Association Inc. ("PSAI"), is requesting proposals for Sterilization, Respiration and other Related Products and Services. The intent of this Request for Bids ("RFB") is that any contract between Principal Procurement Agency and Bidder resulting from this Request For Bid (hereinafter defined and referred to as the "Master Agreement") be made available to other public agencies nationally, including state and local governmental entities, public and private primary, secondary and higher education entities, non-profit entities, and agencies for the public benefit ("Public Agencies"), through PSAI's and Savvik Buying Group's cooperative purchasing programs. The Principal Procurement Agency has executed a Principal Procurement Agency Certificate with PSAI (an example of which is included as Exhibit C) and has agreed to pursue the Master Agreement. Use of the Master Agreement by any Public Agency, including the Principal Procurement Agency, will be preceded by their registration with PSAI as a Participating Public Agency in PSAI's cooperative purchasing program. Registration as a Participating Public Agency by joining PSAI or one of its contracted partners and selecting to support the Master Intergovernmental Cooperative Purchasing Agreement, an example of which is attached as Exhibit B. The terms and pricing established in the resulting Master Agreement between the Bidder and the Principal Procurement Agency will be the same as that available to Participating Public Agencies through PSAI. All transactions, purchase orders, etc., will occur directly between the Bidder and each Participating Public Agency individually, and neither PSAI, the Principal Procurement Agency nor any Participating Public Agency, including their respective agents, directors, employees or representatives, shall be liable to Bidder for any acts, liabilities, damages, etc., incurred by any other Participating Public Agency. The Principal Procurement Agency is making no representations regarding any of the equipment or services that may be procured by a Participating Public Agency. By participating in this RFB process or submitting a proposal pursuant to the RFB, any bidder, Participating Public Agency and PSAI waive any and all claims against the Principal Procurement Agency.

Request for Bids Number: RFB 2020-05 Sterilization, Respiration and other Related Products and Services

Specifications for: Sterilization, Respiration and other Related Products and Services (the "**Products**")

Contract Term: This contract is targeted to begin on or after August 30, 2020 and will continue for 36 months upon agreement by both parties (the "**Contract Term**"). The Contract Term may be extended by 24 months upon agreement by both parties (the "**Extension Term**")

Deadline for Submission of Bids: Thursday, July 30, 2020, prior to 11:00 AM CST

Submit Bids To: Public Safety Association Inc.  
c/o Eagle County Paramedic Services  
56 33rd Ave S, PMB 347  
St Cloud, MN 56301

Bid Opening Date and Time: Friday, August 7, 2020, 1:00 PM CST

Bid Opening Location: Webinar – Details Listed Below in Schedule of Events

Bid Surety (Submit with bid) \$1,000 (the "**Bid Surety**")

Contact for Questions: Cindy Sobania, [office@publicsafetyassociation.org](mailto:office@publicsafetyassociation.org)

PSAI welcomes timely competitive sealed bids for the Products. Late Bids shall not be considered. Bids may be submitted electronically or in hard copy form, as detailed in this RFB.

**BIDDER CERTIFICATION**

I agree to the specifications, terms and conditions of this RFB. I acknowledge my authority to submit this bid on behalf of the firm listed below and to bind it to comply with these specifications, terms and conditions if any contract is awarded through this RFB process.

Date: \_\_\_\_\_

By: \_\_\_\_\_

Company Name & Address:

Name: \_\_\_\_\_

\_\_\_\_\_

Title: \_\_\_\_\_

\_\_\_\_\_

Phone: \_\_\_\_\_

\_\_\_\_\_

Fax: \_\_\_\_\_

\_\_\_\_\_

E-mail: \_\_\_\_\_

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**GENERAL INFORMATION**

**Introduction**

The purpose of this document is to provide interested parties with information to enable them to prepare and submit a proposal for Sterilization and Respiration and other Related Products and Services.

Eagle County Paramedic Services intends to use the results of this process to award a contract(s) or issuance of purchase order for the product(s) and or services(s) stated above.

The contract resulting from this RFB will be administered by Public Safety Association Inc., in partnership with Savvik Buying Group.

This Request For Bid (RFB) is issued on behalf of Eagle County Paramedic Services by the Public Safety Association Inc., which is the sole point of contact for the Eagle County Paramedic Services during the procurement process.

Public Safety Association Inc.

Public Safety Association Inc. (herein "PSAI") assists Participating Public Agencies to reduce the cost of purchased goods through strategic sourcing that combines the volumes and the purchasing power of public agencies nationwide. This is accomplished through an award of competitively solicited contracts for high quality products and services by large and well recognized public agencies (herein "Lead Public Agencies"). The contracts provide for use by not only the respective Lead Public Agency, but also by other Participating Public Agencies.

**National Sponsors**

PSAI is jointly sponsored and supported by Savvik Buying Group. Savvik Buying Group will manage all aspects of the award.

**Participating Public Agencies**

Today more than 12,700 public agencies belong to the PSAI and its partners contracts and suppliers to procure products and services annually.

The Supplier(s) must communicate directly with any Participating Public Agency concerning the placement of orders, issuance of the purchase order, contractual disputes, invoicing, and payment.

Eagle County Paramedic Services, Colorado is acting as "Contracting Agent" for the Participating Public Agencies and shall not be held liable for any costs, damages, expenses, fees, liabilities, etc. incurred by any other Participating Public Agency.

Each Participating Public Agency enters into a Master Intergovernmental Cooperative Purchasing Agreement (MICPA) outlining the terms and conditions that allow access to the Lead Public Agencies' Master Agreements. Under the terms of the MICPA, the procurement by the Participating Public Agency shall be construed to be in accordance with, and governed by, the laws of the state in which the Participating Public Agency resides. A copy of the MICPA is included in Exhibit A of this RFB.

**Estimated Volume**

The estimated dollar volume of Products and Services purchased under the proposed Master Agreement is \$1 million dollars annually. While there is no minimum quantity of products required to be purchased under the proposed Master Agreement, Eagle

County Paramedic Services and PSAI are committed to utilizing the Master Agreement. PSAI shall determine if the Master Agreement is of value to their agency, and will promote the Master Agreement among other public agencies nationwide and internationally.

### **Marketing Support**

PSAI provides marketing support for each Supplier's products through the following:

EMS Services, Municipalities, Fire Departments, Law Enforcement Schools and Universities, Hospitals, training facilities and other Public Safety services.

Administrative and marketing personnel that directly promote the PSAI to Participating Public Agencies through public agency meetings, email, national publications, annual meetings, Higher Education and State Associations.

### **Marketplace**

PSAI will utilize the Savvik Buying Group online Marketplace, which gives Participating Public Agencies the ability to purchase from many PSAI contracts directly from the Savvik website. The Marketplace makes it easier for Participating Public Agencies to access many contracts through a single login and place orders using credit card or purchase order. Suppliers have the ability to add their products to the Marketplace at no cost.

### **Multiple Awards**

Multiple awards may be issued as a result of the solicitation. Multiple awards will ensure that any ensuing Master Agreements fulfill current and future requirements of the diverse and large number of Participating Public Agencies.

### **Evaluation of Proposals**

Proposals will be evaluated by Eagle County Paramedic Services and PSAI in accordance with, and subject to, the relevant statutes, ordinances, rules and regulations that govern its procurement practices.

PSAI Board members and other Participating Public Agencies will assist the Lead Public Agency in evaluating proposals. The Supplier(s) that respond(s) affirmatively meets the requirements of this Request For Bid and provides the best overall value will be eligible for a contract award. PSAI reserves the right to make available or not make available Master Agreements awarded by a Lead Public Agency to Participating Public Agencies.

### **Scope of the Project**

Eagle County Paramedic Services is seeking proposals from qualified firms to establish a cooperative contract or contracts for Sterilization and Respiration and other Related Products and Services on behalf of all public safety services, local governments, school districts, and higher education in the United States of America, and other governmental agencies and nonprofit organizations.

### **Requirements for bids:**

Bidders may bid on one or all categories. Please fill in the correct tab on the bidding spreadsheet.

The units shall comply with all Federal standards and regulations.

Where minor details of construction and materials are not specified, Bidder shall supply only the best of such materials and design and construct any such unspecified parts in accordance with the best interests of Eagle County.

**Specs for Bid – Sterilization Products Aerosol**

- Invisible coating that does not change the surface appearance
- Products are 3rd Party tested to strict performance standards
- Environmentally friendly as reduced use of cleaning chemicals
- Reduced life cycle costs
- Suitable for a wide range of assets and surfaces including metal, fabric, painted surfaces, tiles, wood, concrete and plastics
- Helps Eliminate Household Germs
- No Rinse Required, even on food contact surfaces
- Sanitizes Soft Surfaces in just a few minutes
- Eliminates 99.9% of most Allergens
- Formulated for use with HVLP fogging or spray application
- Kills Odor Causing Bacteria
- Non-Abrasive and Non-Corrosive
- Non-Flammable – No Harmful Chemicals
- Ready-to-Use Formula
- Safe for Everyday Use

**Specs for Bid – Sterilization Products UV Lighting**

UV light is electromagnetic radiation with wavelengths shorter than visible light. UV can be separated into various wavelength ranges, with the short-wavelength UV, or UV-C considered to be germicidal. Furthermore, and at the specific wavelength range of 260 to 270 nm, UV-C is found to be mutagenic to bacteria, viruses and other microorganisms. Germicidal UV-C kills or inactivates microorganisms by destroying their nucleic acids and disrupting their DNA, leaving them unable to perform vital cellular functions.

All submitted bid products must be able to kill MRSA, C. Difficile, Norovirus, TB, Influenza, Covid, and Hepatitis.

Units and replacement bulbs must be either EPA or FDA certified.

Bids can include:

- Replacement UV bulbs
- Fixed unit UV fixtures
- Mobile UV Units

**Specs for Bid – Contained Breathing Apparatus – Healthcare**

Primary healthcare facilities, pharmaceutical production, laboratories, animal research facilities and emergency/disaster responders. Suitable for protection against particulates including airborne biohazards.

- Wide panoramic visor

- Hard scratch and solvent resistant coating, Age resistant materials
- Suitable for long periods of wear
- Built-in portacount adaptor for mask fit testing
- Positive pressure airflow and inner Orinasal mask prevents fogging
- Easy breathing and no resistance even during heavy exertion
- Visor seal silicone design seals to the face for optimum protection and comfort.
- Inner Orinasal mask with unique clip-in clip-out design is easily removed for cleaning
- Hard moulded polycarbonate visor; Silicone face seal and Inner Orinasal Mask cushion. Nylon mask clips; Stainless Steel Buckle Roller; Mylar speech diaphragm EPDM rubber harness; impact modified reinforced polypropylene exhalation valve housing; silicone O-rings
- Cleaning: Lukewarm water and mild detergent (neutral pH 6 – 8). Do not use solvents (turpentine or acetone), hot water, bleaching or chemical agents
- Storage: –10°C to +55°C (–4°F to +131°F) at <90% relative humidity. Store away from direct sunlight, grease and oil

**Specs for Bid – Contained Breathing Apparice – PAPR**

- |                                |  |
|--------------------------------|--|
| • Battery Life                 | 5.5 to 13 hours                          |
| • Battery Type                 | High Capacity Lithium Ion - Rechargeable |
| • Breathing Tube Type          | Back-Mounted                             |
| • Cartridge or Filter Included | Yes                                      |
| • Headgear Type                | Hood                                     |
| • Intrinsically Safe           | No                                       |
| • Mounting Type                | Belt-mounted                             |
| • Product Type                 | PAPR Systems                             |
| • Protection Type              | Particulate                              |
| • Recommended Application      | Health & Safety Testing                  |
| • Recommended Industry         | First Responder                          |
| • Standards/Approvals          | NIOSH Approved                           |
| • Visor Type                   | Clear                                    |

**Specs for Bid – Self-Contained Breathing Apparatus - SCBA**

• **General Self-Contained Breathing Apparatus Requirements**

The purpose of this bid specification is to establish the minimum requirements for an open-circuit self-contained breathing apparatus (SCBA). The SCBA shall consist of the following major sub-assemblies: (1) full facepiece assembly; (2) a removable, facepiece-mounted, positive pressure breathing regulator with air saver switch; (3) an automatic dual path redundant pressure-reducing regulator; (4) end-of-service time indicators; (5) a harness and backframe assembly for supporting the equipment on the body of the wearer; (6) a shoulder strap mounted, remote gauge indicating cylinder pressure; (7) a rapid intervention crew/universal air connection (RIC/UAC); and (8) cylinder and valve assembly for storing breathing air under pressure.

The successful bidder agrees to provide, at their own expense, a factory trained instructor for such time as the respirator user shall require complete instruction in the operation and maintenance of the respirator. Any exceptions to these specifications must be detailed in a separate attachment. Failure to do so will automatically disqualify the bidder.

The successful bidder must be a sales distributor, authorized by the manufacturer, to sell the



equipment specified herein. A signed document from the manufacture confirming this must be included with the bid. The SCBA shall maintain all NIOSH standards with any of the following types of cylinders listed as provided by the SCBA manufacturer.

- The SCBA shall be approved to NIOSH 42 CFR, Part 84 for chemical, biological, radiological and nuclear protection (CBRN).
- The SCBA shall be compliant to the NFPA 1981, 2018 Edition, Standard on Open-Circuit Self-Contained Breathing Apparatus for Emergency Services.
- The SCBA shall be compliant to the NFPA 1982, 2018 Edition (if including optional PASS Device), Standard on Personal Alert Safety Systems.
- If the SCBA is to include an optional integrated self-rescue device, the device shall be compliant to the NFPA 1983, 2017 Edition, Standard on Life Safety Rope and Equipment for Emergency Services.
- All electronic components shall be approved for Intrinsic Safety under UL 913 Class I, Groups C and D, Class II, Groups E, F and G, Hazardous locations.
- The facepiece shall have a large diameter inlet serving as the female half of a quarter (1/4) turn coupling which mates with the positive pressure breathing regulator.
- The facepiece shall be approved for use with multiple respiratory applications to enable the same user to switch from one application to another without the use of tools and without doffing the facepiece.
- The full facepiece assembly shall fit persons of varying facial shapes and sizes with minimal visual interference.
- The full facepiece assembly shall be available in three sizes marked "S" for small, "M" for Medium and "L" for large.
- The facepiece sizes shall be easily identifiable through a color-coding scheme.
- The facepiece assembly, including head harness, shall be latex free.
- The facepiece series shall have a facesal that is secured to the lens by a U-shaped channel frame that is retained to the lens using two fasteners.
- The facesal shall be a reverse reflex design for enhanced fit and comfort.
- The facepiece shall contain inhalation valves that are readily visible to enable quick visual inspection.
- The lens shall be a single, replaceable, modified cone configuration constructed of a non-shatter type polycarbonate material.
- In accordance with NIOSH 42 CFR part 84, the facepiece meets penetration and impact requirements, including compliance with ANSI Z87.1 – 2010.
- The lens shall have a coating to resist abrasion and chemical attack and meet the requirements of NFPA-1981 for lens abrasion.
- The lens shall have an internal anti-fog coating to reduce fogging of the lens.

- Multi-directional voicemitters shall be mounted on both sides of the facepiece and ducted directly to an integral silicone nose cup to enhance voice transmission.
- The facepiece assembly shall be able to incorporate multiple electronic communications options (amplification, radio interface, wireless, etc) without affecting NIOSH approvals or NFPA/CBRN approvals where applicable.
- The facepiece shall enable the installation of communications bracket on either the right or left side.
- The head harness shall be available in a five-point suspension made in the fashion of a net hood to minimize interference between securing of the facepiece and the wearing of head protection.
- The head harness shall be available in a five-strap and four-strap configuration.
- The head harness shall be constructed of a para-aramid material for fire, first responder and CBRN applications.
- The head harness shall include either a positioning strap or an integrated handle to assist with donning of the facepiece.
- Two flame resistant elastic straps, attached to the face seal in four locations, shall provide adjustment for proper face sealing.
- The facepiece-mounted positive pressure-breathing regulator shall supply and maintain air to the facepiece to satisfy the needs of the user at a pressure greater than atmospheric by no more than 1.5 inches of water pressure static.
- The breathing regulator shall maintain positive pressure during flows of up to 500 standard liters per minute.
- The breathing regulator shall also meet or exceed a dynamic flow requirement of remaining positive while supplying a minute volume of 160 liters.
- The breathing regulator shall have attached a low pressure hose which shall be threaded through the left shoulder strap to couple to the pressure-reducing regulator mounted on the backframe.
- An optional breathing regulator with an inline quick connect coupling shall be available for use with the optional outlet manifold and accessory hose to allow the breathing regulator to be disconnected from the unit and reconnected to the auxiliary hose of a second unit in the event rescue is required.
- The optional quick connect coupling shall be easily connected and disconnected by trained individuals with a gloved hand and/or in low light conditions.
- The optional quick connect coupling shall not allow the air hose to be connected without the HUD Connection.
- The optional coupling shall also be guarded against inadvertent disconnect during use of the equipment.
- The low-pressure hose shall be equipped with a swivel attachment at the facepiece mounted breathing regulator.

- The breathing regulator shall connect to the facepiece by way of a quarter (1/4) turn coupling.
- The user shall hear an audible sound when the breathing regulator is attached correctly to the facepiece.
- The breathing regulator shall be equipped with a doughnut-shaped gasket which provides a seal against the mating surface of the facepiece.
- The breathing regulator cover shall be fabricated of a flame resistant, high impact plastic.
- The breathing regulator shall have a demand valve to deliver air to the user, activated by a diaphragm responsive to respiration.
- The demand valve shall use an extended temperature range dynamic O-ring seal composed of a fluorosilicone elastomer.
- The diaphragm shall include the system exhalation valve and shall be constructed from a high strength butyl elastomer.
- A purge valve shall be situated at the inlet of the breathing regulator and shall be capable of delivering airflow of between 125 and 225 standard liters per minute.
- The breathing regulator shall be designed to direct the incoming air through a spray bar and over the inner surface of the facepiece lens for defogging purposes.
- The components of the breathing regulator shall be constructed of materials that are not vulnerable to corrosion.
- The flame resistant cover shall contain an air saver switch and pressure demand bias mechanism.
- The breathing regulator shall reactivate and supply air only in the positive pressure mode when the wearer affects a face seal and inhales.
- This device shall not affect the breathing flow through the system while in operation.
- The pressure-reducing regulator shall be mounted at the waist on the backframe and be coupled to the cylinder valve through a patented stainless steel quick connect snout for engagement and sealing within the cylinder valve outlet.
- The cylinder shall be secured to the pressure-reducing regulator with two pull-rings 180° from each other.
- A stainless steel rod shall secure each of the pull-rings to prevent removal of the cylinder while the SCBA is pressurized.
- The stainless steel rods shall be actuated when the cylinder is opened and when cylinder pressure is above 30 psig.
- In lieu of a manual by-pass, the pressure-reducing regulator shall include a back-up pressure-reducing valve connected in parallel with the primary pressure-reducing valve and an automatic transfer valve for redundant control.

- The back-up pressure-reducing valve shall also be the means of activating the low-pressure alarm devices in the facepiece-mounted breathing regulator.
- This warning shall denote a switch from the primary reducing valve to the back-up reducing valve whether from a malfunction of the primary reducing valve or from low cylinder supply pressure.
- A press-to-test valve shall be included to allow functional testing of the back-up reducing valve.
- The pressure-reducing regulator shall have extended temperature range dynamic O-ring seals composed of fluorosilicone elastomer.
- The pressure-reducing regulator shall have incorporated a reseatable over-pressurization relief valve which shall prevent the attached low pressure hose and facepiece-mounted breathing regulator from being subjected to high pressure.
- The pressure-reducing regulator shall be mounted at the waist on the backframe and be coupled to the cylinder valve through a short length of internally armored high pressure hose with a hand coupling for engagement and sealing within the cylinder valve outlet.
- In lieu of a manual by-pass, the pressure-reducing regulator shall include a back-up pressure-reducing valve connected in parallel with the primary pressure-reducing valve and an automatic transfer valve for redundant control.
- The back-up pressure-reducing valve shall also be the means of activating the low-pressure alarm devices in the facepiece-mounted breathing regulator.
- This warning shall denote a switch from the primary reducing valve to the back-up reducing valve whether from a malfunction of the primary reducing valve or from low cylinder supply pressure.
- A press-to-test valve shall be included to allow functional testing of the back-up reducing valve.
- The pressure-reducing regulator shall have extended temperature range dynamic O-ring seals composed of fluorosilicone elastomer.
- The pressure-reducing regulator shall have incorporated a reseatable over-pressurization relief valve which shall prevent the attached low pressure hose and facepiece-mounted breathing regulator from being subjected to high pressure.
- The SCBA shall have two end-of-service time indicators (EOSTI). A tactile alarm and a Heads-Up Display (HUD).
- The primary EOSTI shall be the integral low-pressure alarm device that shall combine an audible alarm with simultaneous vibration of the facepiece.
- The primary EOSTI shall be located in the facepiece-mounted positive pressure breathing regulator.
- This alarm device shall indicate either low cylinder pressure (35% +/- 2%) or a malfunction of the primary pressure-reducing valve (first stage regulator).
- The HUD shall serve as the secondary EOSTI.

- The HUD shall be powered by the SCBA's single power supply.
- It shall be mounted in the user's field of vision on the facepiece- mounted positive pressure breathing regulator.
- It shall display cylinder pressure in increments of 100%, 75%, 50% and 35%.
- The display shall not have a numerical representation of bottle pressure.
- At full cylinder pressure, two green Light Emitting Diodes (LED) shall be illuminated.
- At three-quarter cylinder pressure, one green LED shall be illuminated.
- At one-half cylinder pressure, one "yellow" LED shall be illuminated and flash at a rate not to exceed one (1x) time per second.
- At one-third cylinder pressure, one "red" LED shall be illuminated and flash at a rate not to exceed ten (10x) times per second.
- The HUD shall have a low battery indication that is distinct and distinguishable from the bottle pressure indications.
- A lightweight, lumbar support style backframe and harness assembly shall be used to carry the cylinder and valve assembly and the pressure-reducing regulator assembly.
- The backframe shall be a solid, one-piece black powder-coated aluminum alloy frame that is contoured to follow the shape of the user's back.
- The backframe shall include a shroud to streamline hose and wire management by minimizing exposure of the low pressure hose and electronics molded cable.
- The backframe shall include a mounting for the pressure reducing regulator located at the waist.
- The backframe shall include an over-the-center, adjustable tri-slide fixture, a para-aramid strap and a double-locking latch assembly to secure 30, 45, 60, or 75 minute cylinders.
- The backframe shall include a mounting area suitable for installation of a distress alarm integrated with the SCBA.
- The mounting area shall permit installation of a distress alarm sensor module in an area between the pressure reducer and the backframe.
- The harness assembly shall include a waist pad and shoulder pads constructed of an outer shell material and incorporating a closedcell foam design to help minimize water absorption.
- The harness assembly shall incorporate parachute-type, quickrelease buckles with an integrated bail to help secure the webbing. Optional spring (alligator) clips shall also be available.
- The harness assembly shall consist of a one size black para-aramid strap with two red stripes along the outer edges and a reflective stripe in the center for enhanced visibility.
- The harness assembly shall include a seat-belt type waist belt attachment.

- The harness assembly shall include box-stitched construction with no screws or bolts.
- The harness assembly shall be removable from the backframe without the use of tools.
- The harness assembly shall be machine washable to help with exposure reduction.
- The harness assembly shall accommodate a waist belt extension.
- The waist pad shall be attached to the backframe such that
- movement by the wearer provides natural articulation. Articulation shall be accomplished without the use of mechanical devices.
- The waist pad and belt shall freely wrap around and conform to the wearers' hips.
- The shoulder harness shall be fitted with a Drag Rescue Loop (DRL) capable of being deployed in an emergency situation to drag a downed firefighter to safety.
- The Drag Rescue Loop (DRL) shall be sewn into the shoulder harness assembly and shall provide a horizontal pull strength of 1000 lbs.
- The Drag Rescue Loop (DRL) shall be stored in a manner to prevent accidental snag, but maintain accessibility with gloved hands.
- The shoulder harness shall be attached to the backframe such that the harness presents itself for ease of donning.
- The shoulder harness shall include reflective material to enhance the visibility of the wearer in low-light conditions.
- The shoulder harness shall accommodate two distinct positions for a chest strap attachment.
- The shoulder harness shall accommodate a mounting clip for attachment of a handheld radio remote speaker microphone.
- The SCBA shall incorporate a RIC/UAC fitting to be compliant with the 2018 edition of the NFPA 1981 Self-Contained Breathing Apparatus standard.
- The RIC/UAC shall be an integral part of the pressure reducer and protected by the backframe.
- The RIC/UAC inlet connection shall be within 4" (4-inches) of the tip of the CGA threads of the cylinder valve.
- The RIC/UAC shall consist of a connection for attaching a high-pressure air source and a self-resetting relief valve allowing a higher pressure than that of the SCBA to be attached to the SCBA.
- The self-resetting relief valve shall be color-coded to identify pressure rating of the SCBA.
- The RIC/UAC shall have a check valve to prevent the loss of air when the high-pressure air source has been disconnected.

- The cylinder threads shall be straight with an O-ring or quad-ring gasket type seal.
- The cylinder valve shall be a "fail open" type, constructed of forged aluminum and designed such that no stem packing or packing gland nuts are required.
- It shall contain an upper and lower seat such that the pressure will seal the stem on the upper seat, thus preventing leakage past the stem.
- No adjustment shall be necessary during the life of the valve.
- If the SCBA is equipped with a CGA cylinder connection, the cylinder valve outlet shall be a modification of the Compressed Gas Association (CGA) standard threaded connection number 346 for breathing air for 2216 and CGA 347 for 4500 and 5500 systems.
- If the SCBA is equipped with a Snap-Change Cylinder connection, the cylinder valve shall be designed with a patented stainless steel quick connect snout that delivers air directly to the first stage pressure-reducing regulator. The quick connect snout shall be an integral part of the cylinder valve, rather than an adapter that threads onto the CGA fitting.
- If the SCBA is equipped with a Snap-Change Cylinder connection, the cylinder valve shall be offered with a CGA 346 or CGA 347 fitting for the purposes of filling the cylinder only.
- If the SCBA is equipped with a Snap-Change Cylinder connection, the fill fitting shall have a check valve to prevent flow from the cylinder.
- If the SCBA is equipped with a Snap-Change Cylinder connection, the fill fitting shall be provided with a dust cover to protect threads from damage and prevent interior surfaces from being contaminated when not in use.
- If the SCBA is equipped with a Snap-Change Cylinder connection, the dust cover shall be retained to the cylinder valve.
- Each cylinder valve shall consist of the following: 1) a hand activated valve mechanism with a spring-loaded, positive action, ratchet type safety lock and lock-out release for selecting "lock open service" or "non-lock open service"; 2) an upstream connected frangible disc safety relief device; 3) a dual reading pressure gauge indicating cylinder pressure at all times; 4) an elastomeric bumper; 5) an angled outlet.
- The cylinder valve shall have an RFID tag molded into the elastomeric bumper with a universal RFID marking embossment.
- The RFID tag shall be capable of storing product specific information, including serial number, manufacture date, hydrostatic test date, pressure rating, life expectancy, and fill logs.
- The SCBA shall maintain all NIOSH and NFPA standards with any of the following types of cylinders listed as provided by the SCBA manufacturer.
- The cylinder shall be manufactured in accordance with DOT specifications and meet the Transport Canada requirements with a working pressure of 2216 psig.
- The cylinder shall be made of an aluminum alloy.

- The cylinder shall be available in a 30-minute duration based on the NIOSH breathing rate of 40 liters per minute (lpm).
- The cylinder shall be manufactured in accordance with DOT specifications and meet the Transport Canada requirements with working pressures of 2216, 4500, or 5500 psig.
- The cylinder shall be lightweight, composite type cylinder consisting of an aluminum alloy inner shell, with a total overwrap of carbon fiber, fiberglass and an epoxy resin.
- The cylinder shall have a 2D barcode located under the protective gel coat programmed with the following information, at a minimum: serial number, manufacture date, and hydrostatic test date.
- The cylinder shall be available in a 30-minute, 45-minute, 60-minute or 75 minute duration based on the NIOSH breathing rate of 40 liters per minute (lpm).
- The cylinder shall be available in an approved 30-year life design as defined by the DOT Special Permit 14232.
- The unit shall be covered by a warranty providing protection against defects in materials and workmanship.
- This warranty period shall be for as long as the SCBA is owned by the original purchaser.
- This warranty shall not require a registration in order to activate.
- This warranty shall not be contingent upon completing mandatory overhaul or recommended preventative maintenance.
- The PASS Device shall be compliant to the NFPA 1982, 2018 Edition Standard on Personal Alert Safety Systems.
- Operation of this distress alarm shall be initiated with the opening of the valve of an SCBA charged cylinder.
- The system shall feature a "hands-free" re-set capability that may be activated by means of a slight movement of the SCBA when the system is in a pre-alarm mode.
- The system shall operate from a single power source-containing six "AA" batteries.
- The battery life of the SCBA with PASS only shall be no less than 200 hours.
- The system shall have a battery check function that provides an LED indication of battery status while the SCBA is not pressurized.
- When the PASS is manually activated, the locator system shall immediately emit a 2.4 GHz signal to be received by a separate hand-held receiver.
- When the PASS is activated due to lack of motion, the locator system shall have a ten second delay prior to emitting a 2.4 GHz signal to be received by a separate hand-held receiver.



- The system shall utilize a 2.4 GHz signal to provide the best path to a “downed” firefighter.
- The locating system shall be programmable with eight alphanumeric characters to provide identification information.
- The PASS device shall contain two components: a Console and a Sensor Module.
- When the PASS device goes into pre-alarm, the user shall be notified through a distinct light pattern in the breathing regulator-mounted HUD display.
- The console shall be located on the user’s right shoulder harness.
- The console shall contain an integral edge lit mechanical pressure gauge that is automatically turned on by opening the cylinder valve.
- The console shall display to the user the following: Pre-Alarm: alternating red flashing LED’s;
- Full Alarm: dual flashing red LED’s and a flashing PASS icon; Low Battery: red flashing LED’s;
- Normal System Operation: flashing green LED.
- The console shall contain a photo sensing diode that automatically adjusts the brightness of the HUD as the ambient lighting conditions change.
- The console shall contain an integrated RFID tag.
- The console shall contain push buttons for user interface.
- The push buttons shall be designed to minimize accidental activation.
- A yellow color-coded push button shall permit system re-set.
- A red color-coded push button shall permit manual activation of the full alarm mode.
- The console shall be equipped with a LED “External HUD” allowing others to determine the wearer’s cylinder pressure through the same color-code scheme as the breathing regulator- mounted HUD.
- A green LED shall be illuminated across the gauge face to indicate a cylinder with greater than half cylinder pressure.
- A yellow LED shall be illuminated across the gauge face to indicate a cylinder with less than half cylinder pressure.
- A red LED shall be illuminated across the gauge face to indicate a cylinder with less than 35% cylinder pressure.
- The system shall include a sensor module mounted to the SCBA backframe and located in an area between the cylinder and backframe in a manner designed to protect the assembly from damage.
- The sensor module shall contain a motion sensor that is sensitive to user hip movement to reduce false activations.
- The sensor module shall contain redundant, dual sound emitters for the audible alarm and dual visual “buddy” indicator lights.

- The sensor module sound emitters shall be oriented in multidirections for optimal sound projection.
- The sensor module sound emitters shall broadcast a unique alarm tone for the following conditions: Pre-alarm PASS, Full-alarm PASS, EVAC, System Integrity, PAR, and Low-battery.
- The visual indicators on the backframe mounted sensor module shall flash green during normal operation.
- The visual indicators shall flash red when the device is in prealarm and full-alarm.
- The visual indicators shall flash orange when the SCBA has reached one-half cylinder pressure.
- The visual indicators shall flash a combination of red, green, and white when the SCBA has reached 35% of the rated cylinder pressure.
- The sensor module shall have a Bluetooth chip set integral to the unit to provide wireless connectivity to external devices.
- The PASS Device shall be compliant to the NFPA 1982, 2018 Edition Standard on Personal Alert Safety Systems.
- Operation of this distress alarm shall be initiated with the opening of the valve of an SCBA charged cylinder.
- The system shall feature a "hands-free" re-set capability that may be activated by means of a slight movement of the SCBA when the system is in a pre-alarm mode.
- The system shall operate from a single power source containing six "AA" batteries.
- The system shall have a battery check function that provides an LED indication of battery status while the SCBA is not pressurized.
- When the PASS is manually activated, the locator system shall immediately emit a 2.4 GHz signal to be received by a separate hand- held receiver.
- When the PASS is activated due to lack of motion, the locator system shall have a ten second delay prior to emitting a 2.4 GHz signal to be received by a separate hand-held receiver.
- The system shall utilize a 2.4 GHz signal to provide the best path to a "downed" firefighter.
- The locating system shall be programmable with eight alpha-numeric characters to provide identification information.
- The system shall transmit user status information at a frequency of
- 2.4 GHz on a self-healing mesh network system that when deployed allows each energized SCBA to function as a repeater ensuring system connectivity.
- The system shall provide bi-directional communications between incident command and the SCBA wearer.
- The communication shall contain: the user's name or ID, cylinder

- pressure, PASS alarms, PASS Acknowledgement, evacuation status, evacuation acknowledgement, Withdraw status, Withdraw acknowledgement, System status, and Electronic PAR status.
- The PASS device shall contain two components: a Console and a Sensor Module.
- When the PASS device goes into pre-alarm, the user shall be notified through a distinct flashing light pattern in the breathing regulator- mounted HUD display.
- The console shall be located on the user's right shoulder harness.
- The control console shall come with a mechanical (analog) pressure gauge that is angled at 30°.
- The console shall contain an integral edge lit mechanical pressure gauge that is automatically turned on by opening the cylinder valve.
- The console shall display to the user the following: Pre-Alarm: alternating red flashing LED's;
- Full Alarm: dual flashing red LED's and a flashing PASS icon; Low Battery: red flashing LED's;
- Normal System Operation: flashing green LED.
- The console shall also include icons to indicate Range Status, Evacuation, Withdraw (self-evacuation), ePAR, and when the system is ready to receive the user's ID through an RFID card.
- The console shall contain a photo sensing diode to dim and brighten the HUD as the ambient lighting conditions change.
- The console shall contain an integrated RFID tag.
- The console shall contain push buttons for user interface.
- The push buttons shall be designed to minimize accidental activation.
- A yellow color-coded push button shall permit system re-set.
- A red color-coded push button shall permit manual activation of the full alarm mode.
- A gray color-coded push button shall permit the activation of the withdraw mode.
- The console shall be equipped with a LED "External HUD" allowing others to determine the wearer's cylinder pressure through the same color-code scheme as the breathing regulator-mounted HUD.
- A green LED shall be illuminated across the gauge face to indicate a cylinder with greater than half cylinder pressure.
- A yellow LED shall be illuminated across the gauge face to indicate a cylinder with less than half cylinder pressure.
- A red LED shall be illuminated across the gauge face to indicate a cylinder with less than 35% of the rated cylinder pressure.

- The system shall include a sensor module mounted to the SCBA backframe and located in an area between the cylinder and backframe in a manner designed to protect the assembly from damage.
- The sensor module shall contain a motion sensor that is sensitive to user hip movement to reduce false activations.
- The sensor module shall contain redundant, dual sound emitters for the audible alarm and dual visual "buddy" indicator lights.
- The sensor module sound emitters shall be oriented in multi- directions for optimal sound projection.
- The sensor module sound emitters shall broadcast a unique alarmtone for the following conditions: Pre-alarm PASS, Full- alarm PASS, EVAC, System Integrity, ePAR, and Low-battery.
- The visual indicators on the backframe mounted sensor module shall flash green during normal operation.
- The visual indicators shall flash red when the device is in pre-alarm and full-alarm.
- The visual indicators shall flash orange when the SCBA has reached one-half cylinder pressure.
- The visual indicators shall flash a combination of red, green, and white when the SCBA has reached 35% of the rated cylinder pressure.
- The sensor module shall have a Bluetooth chip set integral to the unit to provide wireless connectivity to external devices.
- The optional Universal Emergency Breathing Safety System (UEBSS) shall be approved to NIOSH 42CFR, Part 84 and NFPA 1981, 2018 Edition.
- The UEBSS shall have one of each of the following requirements; (1) a manifold with one each of a Rectus female socket and Rectus male plug, both of which have check valves, (2) 40" minimum low-pressure hose,
- (3) a pouch for storing the hose, and (4) a dust cap for the female socket and male plug.
- The UEBSS shall be positioned on the wearer's right side and shall be capable of allowing for six feet of hose between like systems.
- The manifold shall be made of aluminum and be anodized black.
- The female socket and male plug shall have spacing, no less than 15° off-center.
- The female socket shall have a double action to disengage, noted as a "push-in/pull-back".
- The female socket shall have an internal checkvalve.
- The male plug shall have an external check valve.
- The hose shall be made of high temperature rubber capable of sustaining a maximum 250 psig of pressure.

- The containment system shall include a pouch and shall be made of para-aramid materials and shall be capable of storing 36" of hose.
- The pouch shall be attached to the SCBA by snap fasteners.
- The pouch shall have a pull-strap to assist with opening of the flap and gaining access to the hose and manifold assembly.
- The pouch shall be marked "UEBSS" and be constructed of reflective material.
- The pouch shall be removable from the backframe without the use of tools.
- The UEBSS shall have provision for connection of a supplied airline for extended duration use while reserving the cylinder supply for egress.
- The UEBSS shall connect to a supplied airline using an extended duration airline adapter.
- The extended duration airline adapter shall have a female quick connect fitting on one end to connect to the UEBSS.
- The extended duration airline adapter shall have a male quick connect fitting on one end to connect to a supplied airline. The adapter shall be able to accommodate Hansen, Foster, Hansen HK, or Schrader.
- The extended duration airline adapter shall have a check valve to prevent the accidental loss of air when the adapter is disconnected from the supplied airline.
- The optional integrated self-rescue belt shall be compliant to the NFPA 1981, 2018 edition and NFPA 1983, 2017 edition standards.
- The waist belt shall be available in a single size, adjustable to fit waist sizes 28" to 50".
- The waist belt shall be constructed of 100% Kevlar webbing.
- The waist belt shall be fire-resistant to meet the NFPA 1981, 2018 edition standard.
- The waist belt shall have dual adjustment points to allow the belt to remain centered while donning.
- The waist belt shall utilize side thumb-release buckles for ease of doffing.
- The waist belt shall incorporate an optional quick release feature to jettison the SCBA.
- The waist belt shall have a non-jettison option.
- The waist belt shall utilize the patented COBRA buckle system.
- The waist belt shall include a D-ring integrated into the front buckle that can be utilized as an NFPA 1983 rated attachment or positioning point.
- The assembly shall consist of the following components: waist belt, life safety rope, fall descent device and anchor connector.
- The life safety rope shall be Tsafe 7.5mm escape rope utilizing a Technora sheath and nylon core construction.

- The descent device shall be an auto-locking F4 descender with single brake.
- The system shall have an option for either a lightweight, aluminum Lightning GT hook or a steel Crosby hook.
- The complete system shall be capable of a 3,034 lb. static load.
- The respirator shall have an optional facepiece-mounted voice amplification device to electronically project the user's voice.
- Refer to EPIC 3 Voice Amplifier Bid Specifications, H/S 7093
- The respirator shall have an optional facepiece-mounted radio interface communication system that provides voice amplification and wireless communication with two-way radios.
- Refer to EPIC 3 RI Voice Communication System Bid Specifications, H/S 7489
- The respirator shall have an optional facepiece-mounted radio direct interface communication system that provides voice amplification and wireless communication with two-way radios.
- Refer to EPIC 3 RDI Voice Amplifier Bid Specifications, H/S 7570
- The respirator shall have an optional hands-free, in-mask thermal imager.
- The in-mask thermal imager shall consist of a facepiece-mounted thermal imaging camera and an in-mask display.

### **Objectives**

- A. Provide a comprehensive competitively solicited Master Agreement offering products and services to Participating Public Agencies;
- B. Establish the Master Agreement as a Supplier's primary offering to Participating Public Agencies;
- C. Achieve cost savings for Suppliers and Participating Public Agencies through a single competitive solicitation process that eliminates the need for multiple bids or proposals;
- D. Combine the volumes of Participating Public Agencies to achieve cost effective pricing;
- E. Reduce the administrative and overhead costs of Suppliers and Participating Public Agencies through state of the art ordering and delivery systems;
- F. Comply with all federal and state statutes relative to providing quality products and services.

### **General Definition of Products and/or Services**

- A. Related Products and Solutions – Additional related products, services

or solutions offered by Supplier.

a. Definitions

The following definitions are used throughout the RFB.

- **Eagle County Paramedic Services** means Eagle County Paramedic Services
- **Contracting Agent** means Eagle County Paramedic Services, Colorado
- **Eagle County Paramedic Services Agency** means Department /Division utilizing the service or product
- **Managing Agent** means Public Safety Association Inc.
- **Proposer/vendor/supplier** means a firm submitting a proposal in response to this RFB.
- **Contractor** means proposer awarded the contract.
- **Participating Public Agency "PPA"** is a public entity that elects to utilize the Master Agreement.

b. Clarification of the specifications

All inquiries concerning this RFB must be directed to the person indicated on the cover page of the RFB Document. (electronic mail is the preferred method)

Any questions concerning this RFB must be submitted in writing by mail, fax or e-mail on or before the stated date on the Calendar of Events (Attachment 2, Section 7.0) (Also referred to in this section).

Proposers are expected to raise any questions, exceptions, or additions they have concerning the RFB document at this point in the RFB process. If a proposer discovers any significant ambiguity, error, conflict, discrepancy, omission, or other deficiency in this RFB, the proposer should immediately notify the contact person of such error and request modification or clarification of the RFB document.

Mailing Address:  
Public Safety Association Inc.  
c/o Eagle County Paramedic Services  
56 33<sup>rd</sup> Ave S, PMB 347  
St. Cloud, Minnesota, 56301

Proposers are prohibited from communicating directly with any employee of Eagle County Paramedic Services, except as described herein. No Eagle County Paramedic Services employee or representative other than those individuals listed as Eagle County Paramedic Services contacts in this RFB is authorized to provide any information or respond to any question or inquiry concerning this RFB. Communications must be with the Managing Agent.

c. Addendums and/or Revisions

In the event that it becomes necessary to provide additional clarifying data or information, or to revise any part of this RFB, revisions/amendments and/or supplements will be posted on [www.publicsafetyassociation.org](http://www.publicsafetyassociation.org)

It shall be the responsibility of the proposers to regularly monitor the PSAI website for any such postings. Proposers must acknowledge the receipt / review of any addendum(s) at the bottom of the RFB Cover Page / Signature Affidavit.

Each proposal shall stipulate that it is predicated upon the terms and conditions of this RFB and any supplements or revisions thereof.

d. Calendar of Events

Listed below are specific and estimated dates and times of actions related to this RFB. The actions with specific dates must be completed as indicated unless otherwise changed by the Eagle County Paramedic Services. In the event that the Eagle County Paramedic Services finds it necessary to change any of the specific dates and times in the calendar of events listed below, it will do so by issuing a supplement to this RFB and posting such supplement on the PSAI web site at [www.publicsafetyassociation.org](http://www.publicsafetyassociation.org). There may or may not be a formal notification issued for changes in the estimated dates and times.

<b>Event</b>	<b>Date</b>
RFB Release	Thursday, June 18, 2020
Deadline for Submission of Questions	Before noon CST on Monday, July 27, 2020
Online Webinar Question & Answer Session	RFB 2020-05 Sterilization and Respiration and other Related Products and Services Q&A Session  Mon, Jun 29, 2020 10:00 AM - 11:00 AM (CDT) Please join my meeting from your computer, tablet or smartphone. <a href="https://global.gotomeeting.com/join/551661253">https://global.gotomeeting.com/join/551661253</a>  You can also dial in using your phone. (For supported devices, tap a one-touch number below to join instantly.) United States: +1 (646) 749-3112 - One-touch: <a href="tel:+16467493112,551661253#">tel:+16467493112,551661253#</a> Access Code: 551-661-253  New to GoToMeeting? Get the app now and be ready when your first meeting starts: <a href="https://global.gotomeeting.com/install/551661253">https://global.gotomeeting.com/install/551661253</a>
Bid Due Date	Thursday, July 30, 2020, prior to 11:00 AM CST
Bid Opening	Friday, August 7, 2020, 1:00 PM CST
Online Webinar Bidder Opening Location	RFB 2020-05 Sterilization and Respiration and other Related Products and Services - Bid Opening  Fri, Aug 7, 2020 1:00 PM - 2:00 PM (CDT) Please join my meeting from your computer, tablet or smartphone.



	<p><a href="https://global.gotomeeting.com/join/377057157">https://global.gotomeeting.com/join/377057157</a></p> <p>You can also dial in using your phone. (For supported devices, tap a one-touch number below to join instantly.) United States: +1 (571) 317-3122 - One-touch: <a href="tel:+15713173122,,377057157#">tel:+15713173122,,377057157#</a> Access Code: 377-057-157</p> <p>New to GoToMeeting? Get the app now and be ready when your first meeting starts: <a href="https://global.gotomeeting.com/install/377057157">https://global.gotomeeting.com/install/377057157</a></p>
Contract Award	<p>Contract is targeted to begin on, before or after August 30, 2020 and will continue for 36 months, inclusive with the option to extend up to 24 months, upon agreement by both parties (the "<b>Contract Term</b>").</p>

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## **NOTICE REGARDING NATIONWIDE SALES POTENTIAL**

PSAI is conducting this procurement with the objective of establishing one or more blanket type contracts for use by our Members. Because our Members are located not only in Colorado, but throughout the country, we strongly urge you to participate in the process at the corporate level.

There is considerable potential sales value because PSAI is being used not only in the State of Colorado, but NATIONWIDE. This means that PSAI contractors will have a special advantage available to them in promoting sales to government agencies throughout the country... the ability to sell products without the need for the buyer to duplicate the competitive bidding process and expend the associated staff time and taxpayer dollars. We believe an PSAI contract would enhance your competitive position in the government marketplace and are eager to work with you to promote the best interests of our participating local governments and qualifying non-profit organizations.

We look forward to your participation in our process. Please contact the PSAI staff member listed on the cover of this Invitation for additional information.

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## **STANDARD CONTRACT TERMS AND CONDITIONS**

### **1.0 Basic Agreement.**

- 1.1 The Contract contemplated under this RFB will require the successful Bidder to provide PSAI Members with the Products in accordance with these Contract Terms and Conditions, and the **Special Terms and Conditions** document, attached as Attachment 1. In exchange, upon Contract award, PSAI will agree to offer the Contract to its Members.
- 1.2 Bidder agrees that all Product purchases made by Members under this Contract are "**PSAI Purchases**", subject only to the limits outlined below in Section 4.
- 1.3 Bids will be accepted and evaluated and resultant contracts awarded in accordance with the terms of this RFB, with particular attention to the **Bid Requirements** document and **Specifications** document, attached as Attachments 2 and 3, respectively, as well as any other attachments to this RFB.

2.0 **Contract Term.** The “**Contract Term**” shall be 36 months, beginning upon the execution of the Contract Award by both parties, the “**Contract Award Date.**” The Contract Term may be extended for a period of 24 months, the “**Extension Term**”, through written agreement of the parties.

3.0 **Contract Pricing.**

3.1 **Most Favored Customer Price.** Eagle County Paramedic Services and PSAI encourages Bidders to bid using their best price given to their most favored customer. Bidder is responsible to determine any conditions that affect the cost of delivering the Products; and Bidder expressly acknowledges that the offered prices include these factors.

3.2 **Price Reduction Clause.**

1. If during the Contract Term, Bidder sells the same Products to any agency or group of agencies at prices below those offered by Bidder in a *single* unit quantity under this Contract, then Bidder agrees to immediately extend such lower prices to PSAI for future PSAI Purchases in accordance with this Section.

**Multiple Unit Sales: Successful bidder may negotiate better pricing with member if member is purchasing 2 or more units in one order without effecting the overall bid price. The order needs to be completed in a 6 month time frame. All units are subject to contract management fee.**

2. A price reduction shall apply to PSAI Purchases under this Contract if, during the Contract Term, the Bidder—
- 3.2.2.1 Revises the commercial catalog, pricelist, schedule or other document upon which this Contract was predicated to reduce prices; or
  - 3.2.2.2 Grants more favorable discounts or terms and conditions than those contained in the commercial catalog, pricelist, schedule or other documents upon which this Contract was predicated.
3. The Bidder agrees to offer the price reduction to PSAI with the same effective date, and for the same time period, as extended to the other customers.
4. The Bidder may offer PSAI a voluntary price reduction at any time during the Contract Term.
5. The Bidder shall notify PSAI of any price reduction subject to this clause as soon as possible, but not later than 15 calendar days after its effective date. Bidder’s report must include an explanation of the conditions under which the reductions were made.
6. The Contract will be modified to reflect any price reduction which becomes applicable in accordance with this clause.
7. This Price Reduction Clause does not apply to volume discount pricing detailed elsewhere in this RFB.

3.3 **Price Escalation Clause.**

- 1. Pricing on the Products shall be held firm for the Contract Term.
- 2. Notwithstanding the limitation in Section 3.3.1, beginning in the thirteenth month of the Contract Term, Bidder may increase the price of the Products once every twelve months if the Bidder can show evidence of corresponding price increases from its manufacturers.
- 3. Written approval from PSAI is required for all increases in Product pricing. Bidder must submit to PSAI its request to increase Product pricing, along with evidence of the

manufacturer cost increase, such as a receipt from the manufacturer. PSAI agrees to review and respond to Bidder's request within 30 days after receipt.

3.4 **Payment Clause.** Bidder will negotiate payment process and terms directly with PSAI Members.

#### 4.0 **PSAI Purchases and the Contract Management Fee**

4.1 Bidder agrees to pay PSAI a Contract Management Fee (as defined in the Special Terms and Conditions) for each PSAI Purchase during the Contract Term. All Product purchases made by Members during the Contract Term are "**PSAI Purchases**", subject only to the limits outlined in this Section 4.

4.2 Product purchases made by PSAI Members under existing purchase orders or contracts with Bidder that are in place at the time of Contract Award ("**Existing Member Contracts**") are excluded from the definition of PSAI Purchases provided that Bidder satisfies the following requirements. Upon notification of Contract Award, Bidder must provide PSAI with a list of Existing Member Contracts that includes the following information: parties to the contract; contract execution and expiration dates; and Products covered by the contract ("**Existing Member Contract List**"). PSAI will keep the Existing Member Contract List confidential. The Existing Member Contract List will be attached to the executed Contract between Bidder and PSAI. Only Product purchases made during the Contract Term under the Existing Member Contracts on the Existing Member Contract List shall be exempt from the Contract Management Fee.

4.3 The "**Contract Management Fee**" for this Contract is defined in Special Terms and Conditions.

4.4 Contract Management Fees for each Purchase Order must be received by PSAI no more than thirty (30) days after Products are "Accepted" by the Member, as defined under Section 8, below. Late management fees will be assessed a 1.5% finance charge per month.

#### 5.0 **Reporting Requirements**

##### 5.1 **Purchase Volume / Sales Reports.**

1. Bidder agrees to submit detailed itemized monthly reports using the "**Purchase Volume / Sales Report Template**" provided by PSAI. Sales must be reported during the month in which purchase order was accepted. PSAI recognizes that the actual date(s) of delivery may be unavailable at that time and requests that delivery dates be reported when they are known.
2. Purchase Volume / Sales Reports must be generated in Microsoft Excel and submitted via electronic mail to PSAI by the 15<sup>th</sup> day of the month following. For example, if you are reporting for the month of June, your report would be due by the 15<sup>th</sup> of July and would contain any new sales for the month of June. Reports will include, but are not limited to the following:
  - PSAI Member Number
  - Service Name
  - City
  - State
  - Invoice\_Number
  - Invoice\_Date
  - Item\_Number
  - Item\_Description
  - Quantity
  - Unit\_Price
  - Ext\_Price
  - PSAI Contract Management Fee

3. Failure to provide the detailed itemized Purchase Volume / Sales Reports may result in a \$50 late charge per day and may also result in termination of this Contract, at the discretion of PSAI.
- 5.2 **Additional Reports.** Bidder agrees to comply with reasonable requests made by PSAI and its Members for additional reports.
- 6.0 **Non-Mandatory Contract.** PSAI does not mandate its members to purchase under this Contract. There are no quantities guaranteed by the Principal Procurement Agency and PSAI or set forth in this RFB.
- 7.0 **Delivery and Logistics.** Details related to the date, time and location of delivery by Bidder for purchases made under this Contract will be determined by Bidder and Member in accordance with the terms outlined in the Special Terms and Conditions.
- 8.0 **Acceptance of Products.** Bidder agrees to provide the Products in accordance with the terms of this Contract and agrees that Members will have the right to reject Products that do not conform to Contract specifications. A Product shall be deemed "**Accepted**" by a Member after Bidder delivers the Product to the Member and the Member signs the delivery receipt for that Product.
- 9.0 **Technical Support.** With each PSAI Purchase, Bidder agrees to provide technical service and support during regular business hours Monday to Friday via a toll-free number and email address.
- 10.0 **Warranty.** Bidder agrees to provide the warranty required under the Special Terms and Conditions for the Contract Term.
- 11.0 **Insurance.** Bidder agrees to maintain insurance required under the Special Terms and Conditions for the Contract Term.
- 12.0 **Bid Surety**
  - 12.1 Bids shall be accompanied by the Bid Surety, as defined in the Special Terms and Conditions. The Bid Surety must come in the form of a certified check, cashier's check or surety bond; made payable to the "Public Safety Association Inc. c/o Eagle County Paramedic Services"; and conditioned upon PSAI awarding the Contract to Bidder. In the event Bidder fails to comply with the Contract, the Bid Surety may be forfeited as liquidated damages.
  - 12.2 Bid Sureties of unsuccessful bidders will be returned by mail postmarked within five working days after an award is made.
- 13.0 **Audit.** Bidder agrees to retain all books, records and other documents relative to the Contract (the "**Contract Documents**") for 5 years after the Contract Term ends, or until audited by PSAI, whichever is sooner. Bidder agrees to grant PSAI and its authorized agents full access and the right to examine the Contract Documents.
- 14.0 **Conflicts of Interest.**
  - 14.1 Bidder covenants that, to the best of its knowledge, no employee, officer or board member of PSAI presently has any financial interest in Bidder.

- 15.0 **Contract Administrators and Key Personnel.** Bidder shall notify PSAI in writing of any change in the primary contacts for this Contract within seventy-two hours (72) of such change. Primary contacts include but are not limited to: national sales manager, contract administrator, Contract Management Fee contact, reporting contact, and sales representatives.
- 16.0 **Subcontractors.** PSAI reserves the right to approve all subcontractors retained by Bidder to perform work under this Contract. Bidder agrees to be responsible for all work performed by subcontractors under this Contract. In the event that the Bidder is not the company providing the direct service in any particular state, the Bidder will remain responsible to comply with all the requirements of the Contract.
- 17.0 **Quality Assurance Program**
- 17.1 Bidder agrees to use industry-recognized standards and procedures to assure that a satisfactory level of quality control is maintained for the Products.
- 17.2 Bidder represents that it currently has, and warrants that it will maintain for the duration of the Contract Term, an appropriate quality assurance, as demonstrated in its Bid.
- 18.0 **Compliance with Law and Regulation.**
- 18.1 Bidder represents that it is currently in compliance, and warrants that it will remain for the duration of the Contract Term in compliance, with all applicable federal, state and local laws, ordinances, codes and regulations applicable to Bidder. Bidder currently has and agrees to maintain all licenses necessary for Bidder to perform its obligations under this Contract.
- 18.2 Bidder understands that many of PSAI's Members are government agencies subject to federal, state and local procurement laws and regulations. Bidder agrees to comply with any procurement and other laws and regulations made applicable to Bidder by virtue of Bidder selling Product to Members under this Contract.
- 19.0 **Promotion and Publicity**
- 19.1 **PSAI Website Promotion.** Bidder agrees to provide PSAI with a technical information packet related to the Products via email, and PSAI agrees to post the information to its main and Members-only websites. PSAI will be sharing this contract award with Savvik Buying Group for secured publication to Savvik members. PSAI will work with Bidder to gather and post the appropriate information. Bidder will be responsible for making any and all necessary changes or alterations to the technical information packets and provide updated packets to PSAI as necessary. The information packet must be approved by PSAI. PSAI may make the Products included in Bidder's bid proposal made available to its Members for purchase at PSAI's online PSAI Store or PSAI Partners Store. Bidder agrees to provide all support and data necessary to make the Products available for purchase at the PSAI Store.
- 19.2 **Trade Shows; Signage.** If Bidder attends trade shows of any type, in any state where Members are located, Bidder agrees to exhibit the Products and promote PSAI and this Contract. Bidder agrees to cover all expenses for production of signs bearing Bidder's name and logo to be displayed at conferences. The sign may read "Proud Vendor of Public Safety Association Inc.".
- 19.3 **Vendor Website Promotion.** Bidder must post information about this Contract on its website. Posted information must include the PSAI logo and link to the PSAI website. Prior to posting such information, Bidder agrees to allow PSAI an opportunity to review and approve the content.
- 19.4 **Publicity.** Bidder shall not refer to this Contract, PSAI or PSAI Members in any advertising or publicity without first obtaining written permission from PSAI and individual Member concerned.

- 20.0 **Sales Calls.** Bidder agrees to conduct planned visits to PSAI Members to explain the Contract, communicate the savings, and promote the relationship between PSAI and Bidder.
- 21.0 **Financial Condition.** Bidder agrees to provide written notification to PSAI of any changes of Bidder's financial condition or corporate standing which may significantly impact the Bidder's ability to fulfill the terms and conditions of the Contract. Notice must be provided within 72 hours of such change.
- 22.0 **Default**
- 22.1 **Bidder Events of Default.** The occurrence of any of the following events shall be considered an event of default (a "**Bidder Default**") by Bidder under the Contract:
- (1) Failure to pay the Contract Management Fee;
  - (2) Violation of the Contract Pricing terms in Section 3;
  - (3) Failure to file complete and timely submit sales reports;
  - (4) Provision of Products that do not conform to Contract specifications; and
  - (5) Other acts or omissions by Bidder in violation of the terms of this Contract.
- 22.2 **PSAI Remedies.** Upon the occurrence of a Bidder Default, PSAI has the right to terminate the Contract, subject to the Cure Period detailed below. PSAI also has the right to deem the Bidder "non-responsible" and ineligible to bid on or perform under PSAI contracts for a period of 3 years. PSAI may also pursue all other remedies permitted by the Contract or available by law and equity.
- 22.3 **PSAI Events of Default.** The occurrence of any of the following events shall be considered an event of default (a "**PSAI Default**") by PSAI under the Contract:
- (1) Failure to offer the Contract to Members; and
  - (2) Other acts or omissions by PSAI in violation of the terms of this Contract.
- 22.4 **Bidder Remedies.** Upon the occurrence of a PSAI Default, Bidder has the right to terminate the Contract, subject to the Cure Period detailed below. Bidder may also pursue all other remedies permitted by the Contract or available by law and equity.
- 22.5 **Cure Period.** Upon the occurrence of an event of default, the non-defaulting party agrees to provide written notice to the defaulting party of the default. The defaulting party then has 30 days after receiving written notice to cure the default (the "Cure Period"). After expiration of the Cure Period, if the defaulting party has not remedied the default, then the non-defaulting party will have the right to exercise the remedies outlined in this Section.
- 23.0 **Termination.** This Contract will terminate upon the earliest of the following dates: (a) expiration of the Contract Term (unless extended), (b) termination following an event of default that remains uncured through the Cure Period in accordance with Section 22, or (c) by either party for convenience with written notice. Upon Contract termination, Bidder remains obligated to pay all Contract Management Fees incurred as of the date of Contract termination.
- 24.0 **Contract Documents; Order of Precedence**
- 24.1 The Contract shall consist of the following documents (inclusive of attachments and amendments), which are presented in order of precedence: (1) Contract Award; (2) RFB Cover Sheet; (3) Attachment 1 – Special Terms and Conditions; (4) Attachment 2 – Bid Requirements; (5) Attachment 3 – Bidder Worksheet; (5) Attachment 4 – Product Specifications and Pricing Worksheet (6) Attachment 5 – Designation of Confidential and Proprietary Information (7)

Attachment 6 – Supplier Worksheet for National Program Consideration (8) Attachment 7 – Cost / Financial Proposal (9) Form 1 – Core Bid Items Pricing

- 24.2 The entire contents of this RFB, the Bidders' response to this RFB, any changes or modifications agreed to in writing by the parties shall be made part of the Contract.
  - 24.3 Conflict between the terms of the foregoing documents will be resolved based on the order of precedence.
  - 24.4 Any modifications made by Bidder to the terms and conditions in the RFB are expressly rejected unless specifically accepted by PSAI in writing in the Contract Award document.
- 25.0 **Assignment.** This Contract, and Bidder's rights and obligations under this Contract, are not assignable by the Bidder in whole or in part without the prior written consent of PSAI.
- 26.0 **Severability.** If any provision of this Contract is held to be invalid, such invalidity shall not affect other provisions or application to any other part of the Contract which can be given effect without the invalid provision. To this end, the provisions of this Contract are declared to be severable.
- 27.0 **Choice of Law.** This RFB and the resulting Contract are to be governed by the laws of the State of Minnesota.
- 28.0 **Waiver of Liability.** The Principal Procurement Agency is making no representations regarding any of the equipment or services that may be procured by a Participating Public Agency. By participating in this RFB process or submitting a proposal pursuant to the RFB, any Bidder agrees to waive any and all claims against the Principal Procurement Agency, and incorporate a waiver of all claims against the Principal Procurement Agency into terms of the sale of Product purchases made by PSAI Members.

**Attachment 1 – Special Terms and Conditions**

**Attachment 2 – Bid Requirements**

**Attachment 3 – Bidder Worksheet**

**Attachment 4 – Product Specifications and Pricing Worksheet**

**Attachment 5 – Designation of Confidential and Proprietary Information**

**Attachment 6 – Supplier Worksheet for National Program Consideration**

**Attachment 7 – Cost / Financial Proposal**

**Form 1 – Core Bid Items Pricing**

**Form 2 – Additional Items Bid**

**Exhibit A – Eagle County Paramedic Services and Public Safety Association Inc.  
– National Cooperative Contract**

**Exhibit B – Eagle County Paramedic Services and Public Safety Association Inc.  
– Cooperative Purchasing Agreement**

**Exhibit C – Eagle County Paramedic Services – Principal Procurement Agency Certificate  
– Principal Procurement Agency Certificate**



## ATTACHMENT 1 – SPECIAL TERMS AND CONDITIONS

### RFB 2020-05 STERILIZATION AND RESPIRATION AND OTHER RELATED PRODUCTS AND SERVICES

#### 1.0 **Contract Management Fee.**

The Contract Management Fee will be 3% of the value of the gross sales made under this Contract and calculated based on the gross sales of each calendar month invoiced, regardless of when Bidder receives payment from the Member.

**Multiple Unit Sales: Successful bidder may negotiate better pricing with member if member is purchasing 2 or more units in one order without effecting the overall bid price. The order needs to be completed in a 6 month time frame. All units are subject to contract management fee.**

2.0 **Bid Surety.** The Bid Surety requirement is one thousand dollars (\$1,000.00). Bids must be on the basis of cash payment for work and accompanied by a cash deposit, certified check (on a responsible bank in the State of Minnesota), or a bidder's bond made payable, without conditions, to "Public Safety Association Inc. c/o Eagle County Paramedic Services," in an amount of \$1,000.00. No bid may be withdrawn within 30 days of submission. Bidder selecting to use the electronic bid submittal process, shall copy the bid surety and include the copy in the electronic submittal package, with a note stating it was placed in the mail. Place the bid surety in the mail, to be received by Thursday, July 30 2020, prior to 11:00 AM CST, at mailing address is listed on cover page.

#### 3.0 **Technical Requirements.**

- 3.1 The Sterilization and Respiration and other Related Products and Services and other Related Products and Services (herein referred to as "Products"), to be furnished under this Contract shall be the manufacturer's current type and class specified. The Products shall be complete with operating accessories and operating systems as specified herein; furnished with such modifications and attachments as may be necessary and specified to enable Products to function reliably and efficiently in sustained operation. The design of the Products and other related Products and Services shall permit accessibility for servicing, replacement and adjustment of component parts and accessories with minimum disturbance to other components and accessories.
- 3.2 The completed Products and components shall comply with all Federal standards and regulations.
- 3.3 Where minor details of construction and materials are not specified, Bidder shall supply only the best of such materials and design and construct any such unspecified parts in accordance with the best interests of the Savvik. All materials used in the Products furnished shall be guaranteed to be new and of current manufacture.

#### 4.0 **Warranty.**

- 4.1 A statement must be submitted with each Bid, which certifies that the successful Bidder shall provide a warranty as part of the final Contract which offers the same or greater assurances as those specified below and further that the manufacturer and successful Bidder shall be jointly and severally liable under said warranty.
- 4.2 Warranties must be signed and notarized by an officer of the manufacturer and under no circumstances will the signature of a salesman or agent be acceptable.

- 4.3 Bidder hereby warrants for a minimum of two (2) years from the date the PSAI Members place the Products in service, that it will, at its own expense and without any cost to PSAI members, replace all defective parts and make any repairs that may be required or made necessary by reason of defective design, material or workmanship, or by reason of non-compliance with these specifications. If a longer warranty can be furnished, at no additional cost, the longer period shall prevail.
- 4.4 A non-use charge payable to PSAI member in the amount of \$50.00 per diem for any Product which is covered under warranty and is not available for emergency medical service for a period in excess of twenty (20) calendar days following the Bidder's receipt of adequate notice from Savvik member as described herein.

5.0 **Insurance.** Bidder represents that it currently has, and agrees to maintain for the Contract Term, a proper and verifiable Certificate of Insurance in the minimum amount of \$500,000 issued by company rated 'A+' as reported in the current edition of Best's Key Rating Guide, published by Alfred M. Best Company, Inc. Public Safety Association Inc must be named as an additional insured on the policy and the Certificate of Insurance must require the insurance company to give the Public Safety Association Inc thirty (30) days prior written notice of cancellation, non-renewal any material changes in the policy. Bidder may not commence work until the Bidder has obtained the required insurance and filed an acceptable Certificate of Insurance with Public Safety Association Inc.

6.0 **Delivery and Logistics.** Deliveries shall be made as called for within five (5) business days of the receipt of order unless specified differently elsewhere in this Contract. Rush orders should be delivered within the one business day.

7.0 **Return of Products.**

- 7.1 Bidder agrees to accept returns and exchanges of all Products without a restocking charge.
- 7.2 Bidder agrees to be responsible for pickup and deliveries of returns and exchanges.
- 7.3 Bidder agrees to apply credit to appropriate customer account no later than the next billing period of when returned item(s) was originally billed.
- 7.4 All returns will result in a credit of management fee from PSAJ back to Bidder.

## ATTACHMENT 2 – BID REQUIREMENTS

### RFB 2020-05 STERILIZATION AND RESPIRATION AND OTHER RELATED PRODUCTS AND SERVICES

#### 1.0 General Instructions to Bidders

- 1.1 **Bids as Offers.** Each Bid submitted in response to this RFB will constitute an offer by Bidder to provide the Products to PSAI Members in accordance with the terms and conditions of this RFB.
- 1.2 **Bidder to Pay Bid Costs.** This RFB does not obligate PSAI to pay any costs that Bidder incurs in the preparation of its Bid or the contract. All costs associated with preparation of a Bid or contract in response to this RFB will be borne solely by the Bidder.
- 1.3 **Use and Ownership of Bids.** All Bids shall become the property of Eagle County Paramedic Services and PSAI and both retain the right to disclose bids to its Members.
- 1.4 **PSAI Right to Change RFB.** Prior to contract award PSAI reserves the right in its sole discretion to amend, supplement, withdraw, or otherwise change this RFB in any manner. PSAI will notify bidders of RFB changes using the method determined by PSAI to be most appropriate.
- 1.5 **Restriction on Communication.** Bidders shall not initiate contact with any Eagle County Paramedic Services or PSAI employee, or Eagle County Paramedic Services or PSAI workgroup member, except as provided herein.
- 1.6 **Bidder's Questions & Requests for Clarification.** All questions regarding this RFB should be emailed to [office@publicsafetyassociation.org](mailto:office@publicsafetyassociation.org). PSAI will provide written responses to Bidder questions.

#### 2.0 Bid Preparation Instructions

- 2.1 Include the following information on the outside of the Bid:
  - (1) Bidder Name and Address
  - (2) RFB Title
- 2.2 Complete and sign the **Bidder Certification Form** on the **Cover Sheet**.
- 2.3 Complete and sign the **Bidder Worksheet** on **Attachment 3**.
- 2.4 Complete and sign the **Product Specification and Pricing Sheet** on **Attachment 4**.
- 2.5 Complete Forms 1, 2 and 3.

#### 3.0 Bid Format. Bids may be submitted by email or in hard copy form.

- 3.1 **Electronic submission.** All Bids submitted electronically to [office@publicsafetyassociation.org](mailto:office@publicsafetyassociation.org) or placed in a secured DropBox at <https://www.dropbox.com/request/FDQTbziwvjmc9tjt0spN> with the words "BID ENCLOSED" followed by the name and the address of the Bidder and the title of the project. The Bid should be attached to the email in Microsoft Word or Adobe Acrobat format. Bid pricing sheet should be submitted in Excel.
- 3.2 **Hard copy submissions.** All hard copy Bids must be submitted in sealed envelopes with the name and the address of the Bidder and the title of the project on the exterior of the package, along with the words "BID ENCLOSED". Bid envelopes must contain one hard copy and one electronic copy of the full bid and a copy supplied on electronic media in Microsoft Word or Adobe Acrobat format. A complete listing of bid products must also be included in an Excel or CSV file using the provided PSAI template.

#### 4.0 Signatures. Bids that are not signed by the individual making them must be accompanied by a power of attorney evidencing authority to sign the Bid in the name of the person for whom it is signed.

- 5.0 **Withdrawal of Bids.** Bids may be withdrawn prior to the Bid due date provided that:
- 5.1 Bidder provides a written withdrawal request that is physically received in hard copy form or by email by PSAI by the time and date specified for Bid due date, or
  - 5.2 An authorized representative of the Bidder physically retrieves the Bid by providing proof of their identity and signs a receipt for the Bid prior to the time and date specified for the Bid due date.
- 6.0 **Ownership.** Submitted Bids will be the property of Eagle County Paramedic Services and PSAI and will not be returned.
- 7.0 **Schedule.** The schedule of events for this RFB is as follows:

<b>Event</b>	<b>Date</b>
RFB Release	Thursday, June 18, 2020
Deadline for Submission of Questions	Before noon CST on Monday, July 27, 2020
Online Webinar Question & Answer Session	<p>RFB 2020-05 Sterilization and Respiration and other Related Products and Services Q&amp;A Session</p> <p>Mon, Jun 29, 2020 10:00 AM - 11:00 AM (CDT) Please join my meeting from your computer, tablet or smartphone. <a href="https://global.gotomeeting.com/join/551661253">https://global.gotomeeting.com/join/551661253</a></p> <p>You can also dial in using your phone. (For supported devices, tap a one-touch number below to join instantly.) United States: +1 (646) 749-3112 - One-touch: <a href="tel:+16467493112,,551661253#">tel:+16467493112,,551661253#</a> Access Code: 551-661-253</p> <p>New to GoToMeeting? Get the app now and be ready when your first meeting starts: <a href="https://global.gotomeeting.com/install/551661253">https://global.gotomeeting.com/install/551661253</a></p>
Bid Due Date	Thursday, July 30, 2020, prior to 11:00 AM CST
Bid Opening	Friday, August 7, 2020, 1:00 PM CST
Online Webinar Bidder Opening Location	<p>RFB 2020-05 Sterilization and Respiration and other Related Products and Services - Bid Opening</p> <p>Fri, Aug 7, 2020 1:00 PM - 2:00 PM (CDT) Please join my meeting from your computer, tablet or smartphone. <a href="https://global.gotomeeting.com/join/377057157">https://global.gotomeeting.com/join/377057157</a></p> <p>You can also dial in using your phone. (For supported devices, tap a one-touch number below to join instantly.) United States: +1 (571) 317-3122 - One-touch: <a href="tel:+15713173122,,377057157#">tel:+15713173122,,377057157#</a> Access Code: 377-057-157</p>

	New to GoToMeeting? Get the app now and be ready when your first meeting starts: <a href="https://global.gotomeeting.com/install/377057157">https://global.gotomeeting.com/install/377057157</a>
Contract Award	Contract is targeted to begin on, before or after August 30, 2020 and will continue for 36 months, inclusive with the option to extend up to 24 months, upon agreement by both parties (the " <b>Contract Term</b> ").

8.0 **Bids as Binding Offers.** Once opened, each Bid is a binding offer that must available for acceptance for 90 days.

9.0 **Late Bids.** Late Bids will be deemed unresponsive and will be returned unopened.

10.0 **Rejection of Bids.** PSAI reserves the right to reject any or all Bids and to waive informalities and irregularities in Bids. PSAI will reject as nonresponsive Bids that contain material variances from the specifications detailed herein. PSAI considers a variance to be material if that variance gives a bidder substantial advantage or benefit over other bidders.

11.0 **Bid Opening.** Bids will be opened at the date, time and location set forth on the Cover Sheet of this RFB. Bids will be opened in the presence of the PSAI Officers identified on the Cover Sheet.

12.0 **Evaluation of Bids**

12.1 It is PSAI's policy to award contracts to the lowest responsive, responsible bidder or bidders. PSAI reserves the right to consider all elements in addition to cost in the selections of a Bidder, or Bidders, and is not obligated to select the lowest bidder. While cost is an important factor, Bids will be evaluated for responsiveness and Bidders for their responsibility, pursuant to the following criteria.

12.2 **Responsive Bids**

12.2.1 Bid responsiveness will be determined through evaluation of the following criteria:

<u>Description</u>	<u>Percent</u>
<b>General requirements (applicable)</b>	<b>40</b>
a. Products, services and solutions	
b. Organizational capabilities	
i. Company	
ii. Distributor Network Coverage	
iii. Marketing	
iv. Quality	
v. Administration	
vi. Financial Statements	
vii. Environmental	
viii. Additional Information	
c. Staff qualifications	
<b>Technical requirements (applicable)</b>	<b>20</b>
a. Service	

- b. Ordering and delivery
- c. Fill Rates
- d. Returns
- e. Disaster plan
- f. Recalls
- g. Reporting

a. **Cost** **40**

---

**TOTAL 100**

12.2.2 PSAI reserves the right to reject any Bid if the evidence submitted by or an investigation of such Bidder fails to satisfy PSAI that such Bidder is properly qualified to carry out the obligations of the contract and complete the work therein. The competence and responsibility of the Bidder will be considered in making an award.

12.2.3 All responses to this RFB should be clear and concise. Bids that are not substantive may be considered unresponsive. Responses of excessive length or containing excessive advertisement are discouraged and may be considered unresponsive. Responses must distinguish between currently available products and those still under development or in the process or becoming a product and service. Bidder is encouraged to make recommendations based on currently deliverable products and services.

**13.0 Contract Award**

- 13.1 This RFB is not an offer to contract. Only the execution of a written contract award will obligate the PSAI.
- 13.2 PSAI reserves the right to award this Contract to one or more Bidders without prior notification to any other Bidders.
- 13.3 PSAI reserves the right to accept or reject any Product Item or option offered. Additionally, all options included in Bidder's response and accepted by PSAI are understood to be included in any contract
- 13.4 PSAI shall award contract(s) for line items or groups of line items, at its sole discretion.

**ATTACHMENT 3 - BIDDER WORKSHEET**

*RFB 2020-05 STERILIZATION AND RESPIRATION AND OTHER RELATED PRODUCTS AND SERVICES*

Provide the following certifications. If you are unable to make the certification as written, please indicate you have an exception in the chart below and provide detailed information about the exception.

Certification	Initials	Exception?
<b>1</b> Bidder certifies that it understands the Contract Management Fee provisions of this RFB and agrees to pay the Contract Management Fee in accordance with those terms.		
<b>2</b> Bidder certifies that, to the best of its knowledge, no employee, officer or board member of PSAI presently has any financial interest in Bidder.		
<b>3</b> Bidder certifies that neither its organization nor its executives are currently suspended or debarred by the Federal government or any State or local government.		
<b>4</b> Bidder certifies that Bidder is not currently involved in any material litigation that could hinder Bidder's ability to provide the Products to PSAI in accordance with the terms of this RFB.		
<b>5</b> Bidder certifies that it has reviewed the terms and conditions of the RFB. Bidder represents that it understands the obligations of Bidder under any Contract that could be awarded as a result of its Bid. Bidder further warrants that, upon Contract Award, Bidder agrees to be bound to the terms of the resulting Contract, including, without limitation, the Standard Contract Terms and Conditions and the Special Terms and Conditions in Attachment 1.		

Provide the following information in your Bid and initial next to each piece of information provided.

**Initials**

**Required Information**

- \_\_\_\_\_ 1. Identify and provide detailed contact information (name, address, telephone number, fax number, and email address) for the following:
  - a. A single point of contact for all general matters pertaining to the Contract
  - b. A single individual responsible for payment of the Contract Management Fee
  - c. A single individual responsible for preparation of reports under the Contract.
  
- \_\_\_\_\_ 2. Organizational background, structure and years in business.
  
- \_\_\_\_\_ 3. Submit names, qualifications and years with company of sales team.
  
- \_\_\_\_\_ 4. Provide a minimum of 4 references with which you have done business in the past 12 months.
  
- \_\_\_\_\_ 5. Provide a brief summary highlighting your organization's capacity:
  - a. Commitment to service
  - b. Past experience with PSAI and its Members
  - c. Coverage area
  - d. Service availability
  - e. Customer communications
  - f. Technical ability and competence
  - g. Range of Products available

- h. Financial strength
- i. Compatible organizational philosophies

- \_\_\_\_\_ 6. Demonstrate you have the facilities, personnel and equipment to expeditiously provide the Products and to provide the necessary ongoing support.
- \_\_\_\_\_ 7. Describe your warehouse and distribution system.
- \_\_\_\_\_ 8. Describe your policies and procedures documenting and resolving customer complaints.
- \_\_\_\_\_ 9. Describe your procedure for dissemination of new products and equipment and training in use of new products.
- \_\_\_\_\_ 10. Describe your emergency service procedure for after normal business hours.
- \_\_\_\_\_ 11. Describe your resources and methodology to provide service to the United States and Canada.
- \_\_\_\_\_ 12. Describe your repair services and availability of replacement parts.
- \_\_\_\_\_ 13. Describe your disaster plan to assure service is uninterrupted for any reason.
- \_\_\_\_\_ 14. Describe any additional services offered by your company.
- \_\_\_\_\_ 15. Provide a catalog or listing of your complete line of products that includes PSAI pricing for every item in the catalog.
- \_\_\_\_\_ 16. Submit complete copies of all contracts and order forms Members would be expected to sign when placing orders under this Contract.
- \_\_\_\_\_ 17. Document Bidder quality assurance program, including a document retention plan.
- \_\_\_\_\_ 18. Submit sample Purchase Volume Report.
- \_\_\_\_\_ 19. Submit a proper and verifiable Certificate of Insurance in the minimum amount of \$1,000,000 issued by company rated 'A+' as reported in the current edition of Best's Key Rating Guide, published by Alfred M. Best Company, Inc.
- \_\_\_\_\_ 20. **Minority and Women Business Enterprise (MWBE) and (HUB) Participation.**

It is the policy of some entities participating in PSAI to involve minority and women business enterprises (MWBE) and historically underutilized businesses (HUB) in the purchase of goods and services. Respondents shall indicate below whether or not they are an M/WBE or HUB certified.

- Minority / Women Business Enterprise
  - Respondent Certifies that this firm is a M/WBE **Yes or No**
- Historically Underutilized Business
  - Respondent Certifies that this firm is a HUB **Yes or No**

**Please include a copy(s) of your certification.**



**BIDDER CERTIFICATION**

I warrant that the foregoing certifications and information provided as part of this Bid is accurate and complete to the best of my knowledge.

Date: \_\_\_\_\_

By: \_\_\_\_\_

Company Name & Address:

Name: \_\_\_\_\_

\_\_\_\_\_

Title: \_\_\_\_\_

\_\_\_\_\_

Phone: \_\_\_\_\_

\_\_\_\_\_

Fax: \_\_\_\_\_

\_\_\_\_\_

E-mail: \_\_\_\_\_

**ATTACHMENT 4 - PRODUCT SPECIFICATIONS & PRICING WORKSHEET**

*RFB 2020-05 STERILIZATION AND RESPIRATION AND OTHER RELATED PRODUCTS AND SERVICES*

**Product Pricing Certifications**

Provide the following certifications. If you are unable to make the certification as written, please indicate you have an exception in the chart below and provide detailed information about the exception.

Certification	Initials	Exception?
<b>1</b> Bidder certifies that the product prices included in its bid will be effective on the date of Contract Award.		
<b>2</b> Bidder certifies that it understands and agrees to the Contract Pricing terms of the Standard Contract Terms and Conditions, including, without limitation the Price Escalation and Price Reduction clauses.		

**BIDDER PRICING CERTIFICATION**

I warrant that the product pricing certifications and information provided as part of this Bid is accurate and complete to the best of my knowledge.

Date: \_\_\_\_\_

By: \_\_\_\_\_

Company Name & Address:

Name: \_\_\_\_\_

\_\_\_\_\_

Title: \_\_\_\_\_

\_\_\_\_\_

Phone: \_\_\_\_\_

\_\_\_\_\_

Fax: \_\_\_\_\_

\_\_\_\_\_

E-mail: \_\_\_\_\_

**ATTACHMENT 5 – DESIGNATION OF CONFIDENTIAL AND PROPRIETARY INFORMATION  
SUBMIT WITH RFB**

*RFB 2020-05 STERILIZATION AND RESPIRATION AND OTHER RELATED PRODUCTS AND SERVICES*

**Designation of Confidential and Proprietary Information**

The attached material submitted in response to this Proposal includes proprietary and confidential information which qualifies as a trade secret, as provided in article 74 section 7-74-102, Colorado State Statutes, or is otherwise material that can be kept confidential under the Colorado Open Records law. As such, we ask that certain pages, as indicated below, of this proposal response be treated as confidential material and not be released without our written approval. Attach additional sheets if needed.

Section	Page Number	Topic

Check mark :  This firm is not designating any information as proprietary and confidential witch qualifies as trade secret.

**Prices always become public information when proposals are opened, and therefore cannot be designated as confidential.**

Other information cannot be kept confidential unless it is a trade secret. Trade Secret definitions are found in article 74 section 7-74-102 in Colorado State Statutes

**In the event the Designation of Confidentiality of this information is challenged, the undersigned hereby agrees to provide legal counsel or other necessary assistance to defend the Designation of Confidentiality.**

Failure to include this form in the proposal response may mean that all information provided as part of the proposal response will be open to examination or copying. The Eagle County Paramedic Services considers other markings of confidential in the proposal document to be insufficient. The undersigned agree to hold the Eagle County Paramedic Services harmless for any damages arising out of the release of any material unless they are specifically identified above.

\_\_\_\_\_  
**Signature**

\_\_\_\_\_  
**Title**

\_\_\_\_\_  
**Name (type or print)**

\_\_\_\_\_  
**Date**

**ATTACHMENT 6 – SUPPLIER WORKSHEET FOR NATIONAL PROGRAM CONSIDERATION  
SUBMIT WITH RFB**

*RFB 2020-05 STERILIZATION AND RESPIRATION AND OTHER RELATED PRODUCTS AND SERVICES*

**SUPPLIER WORKSHEET FOR NATIONAL PROGRAM CONSIDERATION**

Suppliers are required to meet specific qualifications. Please respond in the spaces provided after each qualification statement below.

- A. State if pricing for all Products/Services offered will be the most competitive pricing offered by your organization to Participating Public Agencies nationally.  
YES\_\_\_\_ NO\_\_\_\_
- B. Does your company have the ability to provide service to any Participating Public Agencies in the contiguous 48 states, and the ability to deliver service in Alaska and Hawaii?  
YES\_\_\_\_ NO\_\_\_\_
- C. Does your company have a national sales force, dealer network or distributor with the ability to call on Participating Public Agencies in at least 40 U.S. states?  
YES\_\_\_\_ NO\_\_\_\_
- D. Did your company have sales greater than \$50 million last year in the United States?  
YES\_\_\_\_ NO\_\_\_\_
- E. Does your company have existing capacity to provide toll-free telephone and state of the art electronic, facsimile and internet ordering and billing?  
YES\_\_\_\_ NO\_\_\_\_
- F. Will your company assign a dedicated Senior Management level Account Manager to support the resulting Eagle County Paramedic Services program contract?  
YES\_\_\_\_ NO\_\_\_\_
- G. Does your company agree to respond to all agency referrals from Managing Agency within 2 business days?  
YES\_\_\_\_ NO\_\_\_\_
- H. Does your company maintain records of your overall Participating Public Agencies' sales that you can and will share with the Managing Agency to monitor program implementation progress?  
YES\_\_\_\_ NO\_\_\_\_
- I. Will the Eagle County Paramedic Services program contract be your lead public offering to Participating Public Agencies?  
YES\_\_\_\_ NO\_\_\_\_

**Submitted by:**

\_\_\_\_\_  
**Signature**

\_\_\_\_\_  
**Title**

\_\_\_\_\_  
**Name (type or print)**

\_\_\_\_\_  
**Date**

<b>NAME OF FIRM:</b>	
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**Product Pricing**

Products and Services may be added to the resulting contract during the term of the contract by written amendment, to the extent that those products and services are within the scope of this RFB.

**BIDDER CERTIFICATIONS**

Bidder, by submission of a Response hereto, makes the following certifications under penalty of perjury and possible contract termination if any of these certifications are found to be false.

**Non-Collusive Response**

- a. The prices in the Response have been arrived at independently without collusion, consultation, communication, or agreement for the purpose of restricting competition, as to any matter relating to such prices with any other Bidder or potential competitor.
- b. The prices which have been quoted in the Response (unless otherwise required by law), have not been knowingly disclosed by Bidder and will not be knowingly disclosed by Bidder prior to the public response opening, either directly or indirectly, to any other Bidder or competitor.
- c. No attempt has been made or will be made by Bidder to induce any other person, partnership or corporation to submit or not to submit a response for the purpose of restricting competition

Additional Requirements for Sterilization and Respiration and other Related Products and Services:

1. **CONTRACT FEE**  
Must include contract fee in pricing.
2. **FORCE MAJEURE**  
If either party shall be wholly or partially prevented from the performance of any contractual obligation or duty by reason of or through strikes, stoppage of labor, riot, fire, flood, acts of war, insurrection, accident., order of any court, act of God, or specific cause reasonably beyond the party's control and not attributable to its neglect or nonfeasance, in such event, the time for the performance of such obligation or duty shall be suspended until such disability to perform is removed. Determination of Force Majeure shall rest solely with PSAI.
3. **PERFORMANCE UNDER CONTRACT**  
PSAI is committed to insuring that Contractor provides effective and efficient service to all Participants in the Cooperative Purchasing Program, and expects that certain Performance Conditions must be met. Failure to meet these conditions may result in contract termination. In that regard, Contractor shall:
  - a. Appoint a dedicated representative to be the contact person and focal point for all matters relating to End User quotations and orders. The representative shall have: A toll free phone number with voice mail; A fax number; A working e-mail address; and A postal address.
  - b. Insure that the representative timely monitors all communication modes listed above, and promptly responds to communications from End Users and PSAI in any of these modes. Phone calls will be promptly returned, in any event not later than the next business day. Acceptable failure will be due only to Force Majeure.
  - c. Maintain sufficient qualified staff to promptly process all communications from PSAI or End Users, and to efficiently, effectively and accurately service all requirements of the contract.
  - d. As may be requested by PSAI, replace any staff members who are not providing the service and expertise deemed necessary by PSAI for acceptable support of End Users.
  - e. Furnish, on request of PSAI, reasonable data, forms and graphic material to be used in brochures or other print media, or on PSAI's website.

- f. Allow access to PSAI authorized personnel for inspection of operating facilities, and auditing of purchase orders during the contract period, and for a period extending thru the completion of any outstanding orders. Site inspection may be arranged not less than ten (10) calendar days prior, shall include the names of all participants, and shall be at no expense to Contractor.
- Purchase Volume / Sales Reports – Reporting Requirements:
1. Bidder agrees to submit detailed itemized monthly reports using the “Purchase Volume / Sales Report Template” provided by PSAI. Sales must be reported during the month in which purchase order was accepted. PSAI recognizes that the actual date(s) of delivery may be unavailable at that time and requests that delivery dates be reported when they are known.
  2. Purchase Volume / Sales Reports must be generated in Microsoft Excel and submitted via electronic mail to PSAI by the 15<sup>th</sup> day of the month following. For example, if you are reporting for the month of June, your report would be due by the 15<sup>th</sup> of July and would contain any new sales for the month of June. Reports will include, but are not limited to the following:
    - PSAI Member Number
    - Service Name
    - City
    - State
    - Invoice\_Number
    - Invoice\_Date
    - Item\_Number
    - Item\_Description
    - Quantity
    - Unit\_Price
    - Ext\_Price
    - PSAI Contract Management Fee
  3. Failure to provide the detailed itemized Purchase Volume / Sales Reports may result in a \$50 late charge per day and may also result in termination of this Contract, at the discretion of PSAI.
- g. Should Contractor default in providing Products or Services as required by this Invitation and the contract, recourse may be exercised thru cancellation of the contract and other legal remedies as may be appropriate.

## **PRICING, PRODUCT AND SERVICE SPECIFICATIONS, QUALITY AND SERVICE REQUIREMENTS**

Eagle County Paramedic Services is seeking proposals from qualified firms to establish a cooperative contract or contracts for Sterilization and Respiration and other Related Products and Services on behalf of all public safety services, local governments, school districts, and higher education in the United States of America, and other governmental agencies and nonprofit organizations.

**Liability insurance:** A certificate of insurance evidencing insurance coverage for general liability including contractual liability, written on a comprehensive form with coverage for personal injury and a limit of liability of at least \$1,000,000 for bodily injury, property damage and personal injury.

**Worker's compensation and employer's liability:** A certificate of insurance evidencing statutory coverage for worker's compensation coverage, injury and a limit of liability of \$1,000,000 for employer's liability, or a letter of certification from the industrial commission that the vendor is an authorized self-insurer.

**With your Proposal, include a statement that your company agrees or exceeds the Insurance requirements.**

**Contract Management Fees:** The Contract Management Fee will be 3% of the value of the gross sales made under this Contract and calculated based on the gross sales of each calendar month invoiced, regardless of when Bidder receives payment from the Member.

**Multiple Unit Sales: Successful bidder may negotiate better pricing with member if member is purchasing 2 or more units in one order without effecting the overall bid price. The order needs to be completed in a 6 month time frame. All units are subject to contract management fee.**

### **Product Pricing**

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Complete each item on the following pricing chart. You are not required to offer every product or serve every country or state in which PSAI has members; when that is the case, indicate "no bid" on the chart. Quoted prices must include delivered prices, which include all transportation and delivery charges. Ensure that all products offered below comport with the essential product specifications outlined above.

Products and Services may be added to the resulting contract during the term of the contract by written amendment, to the extent that those products and services are within the scope of this RFP.

Additional Requirements for Technology Category

- 1) Must include contract fee in pricing.
- 2) Must be authorized to sell all technology items specified. A letter of authorization from each mfg. must be submitted with your response.
- 3) Favorable past performance as the Prime Contract holder of a similar National or State Contract within the past 3 years. Please provide the name of the contract(s).

Contract Title(s): \_\_\_\_\_

### **Requirements for System:**

#### **Technical Requirements**

The Sterilization and Respiration and other Related Products and Services and other Related Products and Services (herein referred to as "Products"), to be furnished under this Contract shall be the manufacturer's current type and class specified. The Products shall be complete with operating accessories and operating systems as specified herein; furnished with such modifications and attachments as may be necessary and specified to enable Products to function reliably and efficiently in sustained operation. The design of the Products and other related Products and Services shall permit accessibility for

servicing, replacement and adjustment of component parts and accessories with minimum disturbance to other components and accessories.

The completed Products and components shall comply with all Federal standards and regulations.

Where minor details of construction and materials are not specified, Bidder shall supply only the best of such materials and design and construct any such unspecified parts in accordance with the best interests of the Savvik. All materials used in the Products furnished shall be guaranteed to be new and of current manufacture.

### **Requirements for bids:**

Bidders may bid on one or all categories. Please fill in the correct tab on the bidding spreadsheet. The units shall comply with all Federal standards and regulations.

Where minor details of construction and materials are not specified, Bidder shall supply only the best of such materials and design and construct any such unspecified parts in accordance with the best interests of Eagle County.

### **Specs for Bid – Sterilization Products Aerosol**

- Invisible coating that does not change the surface appearance
- Products are 3rd Party tested to strict performance standards
- Environmentally friendly as reduced use of cleaning chemicals
- Reduced life cycle costs
- Suitable for a wide range of assets and surfaces including metal, fabric, painted surfaces, tiles, wood, concrete and plastics
- Helps Eliminates Household Germs
- No Rinse Required, even on food contact surfaces
- Sanitizes Soft Surfaces in just a few minutes
- Eliminates 99.9% of most Allergens
- Formulated for use with HVLP fogging or spray application
- Kills Odor Causing Bacteria
- Non-Abrasive and Non-Corrosive
- Non-Flammable – No Harmful Chemicals
- Ready-to-Use Formula
- Safe for Everyday Use

### **Specs for Bid – Sterilization Products UV Lighting**

UV light is electromagnetic radiation with wavelengths shorter than visible light. UV can be separated into various wavelength ranges, with the short-wavelength UV, or UV-C considered to be germicidal. Furthermore, and at the specific wavelength range of 260 to 270 nm, UV-C is found to be mutagenic to bacteria, viruses and other microorganisms. Germicidal UV-C kills or inactivates microorganisms by destroying their nucleic acids and disrupting their DNA, leaving them unable to perform vital cellular functions.

All submitted bid products must be able to kill MRSA, C. Difficile, Norovirus, TB, Influenza, Covid, and Hepatitis.

Units and replacement bulbs must be either EPA or FDA certified.

Bids can include:

- Replacement UV bulbs
- Fixed unit UV fixtures
- Mobile UV Units

### **Specs for Bid – Contained Breathing Apparatic – Healthcare**

Primary healthcare facilities, pharmaceutical production, laboratories, animal research facilities and emergency/disaster responders. Suitable for protection against particulates including airbourne biohazards.



- Wide panoramic visor
- Hard scratch and solvent resistant coating, Age resistant materials
- Suitable for long periods of wear
- Built-in portacount adaptor for mask fit testing
- Positive pressure airflow and inner Orinasal mask prevents fogging
- Easy breathing and no resistance even during heavy exertion
- Visor seal silicone design seals to the face for optimum protection and comfort.
- Inner Orinasal mask with unique clip-in clip-out design is easily removed for cleaning
- Hard moulded polycarbonate visor; Silicone face seal and Inner Orinasal Mask cushion. Nylon mask clips; Stainless Steel Buckle Roller; Mylar speech diaphragm EPDM rubber harness; impact modified reinforced polypropylene exhalation valve housing; silicone O-rings
- Cleaning: Lukewarm water and mild detergent (neutral pH 6 – 8). Do not use solvents (turpentine or acetone), hot water, bleaching or chemical agents
- Storage: –10°C to +55°C (–4°F to +131°F) at <90% relative humidity. Store away from direct sunlight, grease and oil

**Specs for Bid – Contained Breathing Apparatus – PAPR**

- |                                |  |
|--------------------------------|--|
| • Battery Life                 | 5.5 to 13 hours                          |
| • Battery Type                 | High Capacity Lithium Ion - Rechargeable |
| • Breathing Tube Type          | Back-Mounted                             |
| • Cartridge or Filter Included | Yes                                      |
| • Headgear Type                | Hood                                     |
| • Intrinsically Safe           | No                                       |
| • Mounting Type                | Belt-mounted                             |
| • Product Type                 | PAPR Systems                             |
| • Protection Type              | Particulate                              |
| • Recommended Application      | Health & Safety Testing                  |
| • Recommended Industry         | First Responder                          |
| • Standards/Approvals          | NIOSH Approved                           |
| • Visor Type                   | Clear                                    |

**Specs for Bid – Self-Contained Breathing Apparatus - SCBA**

• **General Self-Contained Breathing Apparatus Requirements**

The purpose of this bid specification is to establish the minimum requirements for an open-circuit self-contained breathing apparatus (SCBA). The SCBA shall consist of the following major sub-assemblies: (1) full facepiece assembly; (2) a removable, facepiece-mounted, positive pressure breathing regulator with airsaver switch; (3) an automatic dual path redundant pressure-reducing regulator; (4) end-of-service time indicators; (5) a harness and backframe assembly for supporting the equipment on the body of the wearer; (6) a shoulder strap mounted, remote gauge indicating cylinder pressure; (7) a rapid intervention crew/universal air connection (RIC/UAC); and (8) cylinder and valve assembly for storing breathing air under pressure.

The successful bidder agrees to provide, at their own expense, a factory trained instructor for such time as the respirator user shall require complete instruction in the operation and maintenance of the respirator. Any exceptions to these specifications must be detailed in a separate attachment. Failure to do so will automatically disqualify the bidder.

The successful bidder must be a sales distributor, authorized by the manufacturer, to sell the equipment specified herein. A signed document from the manufacture confirming this must be included with the bid. The SCBA shall maintain all NIOSH standards with any of the following types of cylinders listed as provided by the SCBA manufacturer.

	Product:		
<i>Regulatory Approvals</i>	Meets	Does Not Meet	Exception
<ul style="list-style-type: none"> <li>The SCBA shall be approved to NIOSH 42 CFR, Part 84 for chemical, biological, radiological and nuclear protection (CBRN).</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The SCBA shall be compliant to the NFPA 1981, 2018 Edition, Standard on Open-Circuit Self-Contained Breathing Apparatus for Emergency Services.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The SCBA shall be compliant to the NFPA 1982, 2018 Edition (if including optional PASS Device), Standard on Personal Alert Safety Systems.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>If the SCBA is to include an optional integrated self-rescue device, the device shall be compliant to the NFPA 1983, 2017 Edition, Standard on Life Safety Rope and Equipment for Emergency Services.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>All electronic components shall be approved for Intrinsic Safety under UL 913 Class I, Groups C and D, Class II, Groups E, F and G, Hazardous locations.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Required Components	Product:		
<i>Facepiece</i>	Meets	Does Not Meet	Exception
<ul style="list-style-type: none"> <li>The facepiece shall have a large diameter inlet serving as the female half of a quarter (1/4) turn coupling which mates with the positive pressure breathing regulator.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The facepiece shall be approved for use with multiple respiratory applications to enable the same user to switch from one application to another without the use of tools and without doffing the facepiece.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The full facepiece assembly shall fit persons of varying facial shapes and sizes with minimal visual interference.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The full facepiece assembly shall be available in three sizes marked "S" for small, "M" for Medium and "L" for large.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

• The facepiece sizes shall be easily identifiable through a color-coding scheme.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• The facepiece assembly, including head harness, shall be latexfree.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• The facepiece series shall have a faceseal that is secured to the lens by a U-shaped channel frame that is retained to the lens using two fasteners.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• The faceseal shall be a reverse reflex design for enhanced fit and comfort.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• The facepiece shall contain inhalation valves that are readily visible to enable quick visual inspection.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• The lens shall be a single, replaceable, modified cone configuration constructed of a non-shatter type polycarbonate material.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• In accordance with NIOSH 42 CFR part 84, the facepiece meets penetration and impact requirements, including compliance with ANSI Z87.1 – 2010.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• The lens shall have a coating to resist abrasion and chemical attack and meet the requirements of NFPA-1981 for lens abrasion.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• The lens shall have an internal anti-fog coating to reduce fogging of the lens.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Multi-directional voicemitters shall be mounted on both sides of the facepiece and ducted directly to an integral silicone nose cup to enhance voice transmission.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• The facepiece assembly shall be able to incorporate multiple electronic communications options (amplification, radio interface, wireless, etc) without affecting NIOSH approvals or NFPA/CBRN approvals where applicable.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• The facepiece shall enable the installation of communications bracket on either the right or left side.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• The head harness shall be available in a five-point suspension made in the fashion of a net hood to minimize interference between securing of the facepiece and the wearing of head protection.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• The head harness shall be available in a five-strap and four-strap configuration.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• The head harness shall be constructed of a para-aramid material for fire, first responder and CBRN applications.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• The head harness shall include either a positioning strap or an integrated handle to assist with donning of the facepiece.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Two flame resistant elastic straps, attached to the faceseal in four locations, shall provide adjustment for proper face sealing.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<i>Mask-Mounted Regulator</i>	Meets	Does Not Meet	Exception
• The facepiece-mounted positive pressure-breathing regulator shall supply and maintain air to the facepiece to satisfy the needs of the user at a pressure greater than atmospheric by no more than 1.5 inches of water pressure static.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• The breathing regulator shall maintain positive pressure during flows of up to 500 standard liters per minute.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• The breathing regulator shall also meet or exceed a dynamic flow requirement of remaining positive while supplying a minute volume of 160 liters.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<ul style="list-style-type: none"> <li>The breathing regulator shall have attached a low pressure hose which shall be threaded through the left shoulder strap to couple to the pressure-reducing regulator mounted on the backframe.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>An optional breathing regulator with an inline quick connect coupling shall be available for use with the optional outlet manifold and accessory hose to allow the breathing regulator to be disconnected from the unit and reconnected to the auxiliary hose of a second unit in the event rescue is required.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The optional quick connect coupling shall be easily connected and disconnected by trained individuals with a gloved hand and/or in low light conditions.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The optional quick connect coupling shall not allow the air hose to be connected without the HUDConnection.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The optional coupling shall also be guarded against inadvertent disconnect during use of the equipment.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The low-pressure hose shall be equipped with a swivel attachment at the facepiece mounted breathing regulator.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The breathing regulator shall connect to the facepiece by way of a quarter (1/4) turn coupling.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The user shall hear an audible sound when the breathing regulator is attached correctly to the facepiece.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The breathing regulator shall be equipped with a doughnut-shaped gasket which provides a seal against the mating surface of the facepiece.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The breathing regulator cover shall be fabricated of a flame resistant, high impact plastic.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The breathing regulator shall have a demand valve to deliver air to the user, activated by a diaphragm responsive to respiration.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The demand valve shall use an extended temperature range dynamic O-ring seal composed of a fluorosilicone elastomer.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The diaphragm shall include the system exhalation valve and shall be constructed from a high strength butyl elastomer.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>A purge valve shall be situated at the inlet of the breathing regulator and shall be capable of delivering airflow of between 125 and 225 standard liters per minute.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The breathing regulator shall be designed to direct the incoming air through a spray bar and over the inner surface of the facepiece lens for defogging purposes.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The components of the breathing regulator shall be constructed of materials that are not vulnerable to corrosion.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The flame resistant cover shall contain an air saver switch and pressure demand bias mechanism.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The breathing regulator shall reactivate and supply air only in the positive pressure mode when the wearer affects a face seal and inhales.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>This device shall not affect the breathing flow through the system while in operation.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Pressure Reducer with Snap-Change Cylinder Connection</b>			
	Meets	Does Not Meet	Exception
<ul style="list-style-type: none"> <li>The pressure-reducing regulator shall be mounted at the waist on the backframe and be coupled to the cylinder valve through a patented stainless steel quick connect snout for engagement and sealing within the cylinder valve outlet.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<ul style="list-style-type: none"> <li>The cylinder shall be secured to the pressure-reducing regulator with two pull-rings 180° from each other.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>A stainless steel rod shall secure each of the pull-rings to prevent removal of the cylinder while the SCBA is pressurized.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The stainless steel rods shall be actuated when the cylinder is opened and when cylinder pressure is above 30 psig.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>In lieu of a manual by-pass, the pressure-reducing regulator shall include a back-up pressure-reducing valve connected in parallel with the primary pressure-reducing valve and an automatic transfer valve for redundant control.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The back-up pressure-reducing valve shall also be the means of activating the low-pressure alarm devices in the facepiece-mounted breathing regulator.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>This warning shall denote a switch from the primary reducing valve to the back-up reducing valve whether from a malfunction of the primary reducing valve or from low cylinder supply pressure.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>A press-to-test valve shall be included to allow functional testing of the back-up reducing valve.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The pressure-reducing regulator shall have extended temperature range dynamic O-ring seals composed of fluorosilicone elastomer.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The pressure-reducing regulator shall have incorporated a reseatable over-pressurization relief valve which shall prevent the attached low pressure hose and facepiece-mounted breathing regulator from being subjected to high pressure.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Pressure Reducer with CGA Cylinder Connection</b>			
	Meets	Does Not Meet	Exception
<ul style="list-style-type: none"> <li>The pressure-reducing regulator shall be mounted at the waist on the backframe and be coupled to the cylinder valve through a short length of internally armored high pressure hose with a hand coupling for engagement and sealing within the cylinder valve outlet.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>In lieu of a manual by-pass, the pressure-reducing regulator shall include a back-up pressure-reducing valve connected in parallel with the primary pressure-reducing valve and an automatic transfer valve for redundant control.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The back-up pressure-reducing valve shall also be the means of activating the low-pressure alarm devices in the facepiece-mounted breathing regulator.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>This warning shall denote a switch from the primary reducing valve to the back-up reducing valve whether from a malfunction of the primary reducing valve or from low cylinder supply pressure.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>A press-to-test valve shall be included to allow functional testing of the back-up reducing valve.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The pressure-reducing regulator shall have extended temperature range dynamic O-ring seals composed of fluorosilicone elastomer.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The pressure-reducing regulator shall have incorporated a reseatable over-pressurization relief valve which shall prevent the attached low pressure hose and facepiece-mounted breathing regulator from being subjected to high pressure.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>End-of-Service Time Indicator (EOSTI)</b>			
	Meets	Does Not Meet	Exception
<ul style="list-style-type: none"> <li>The SCBA shall have two end-of-service time indicators (EOSTI). A tactile alarm and a Heads-Up Display (HUD).</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The primary EOSTI shall be the integral low-pressure alarm device that shall combine an audible alarm with simultaneous vibration of the facepiece.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The primary EOSTI shall be located in the facepiece-mounted positive pressure breathing regulator.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>This alarm device shall indicate either low cylinder pressure (35% +/- 2%) or a malfunction of the primary pressure-reducing valve (first stage regulator).</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<ul style="list-style-type: none"> <li>The HUD shall serve as the secondary EOSTI.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The HUD shall be powered by the SCBA's single powersupply.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>It shall be mounted in the user's field of vision on the facepiece-mounted positive pressure breathing regulator.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>It shall display cylinder pressure in increments of 100%, 75%, 50% and 35%.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The display shall not have a numerical representation of bottle pressure.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>At full cylinder pressure, two green Light Emitting Diodes (LED) shall be illuminated.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>At three-quarter cylinder pressure, one green LED shall be illuminated.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>At one-half cylinder pressure, one "yellow" LED shall be illuminated and flash at a rate not to exceed one (1x) time per second.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>At one-third cylinder pressure, one "red" LED shall be illuminated and flash at a rate not to exceed ten (10x) times per second.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The HUD shall have a low battery indication that is distinct and distinguishable from the bottle pressure indications.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Harness and Backframe Assembly</b>			
	<b>Meets</b>	<b>Does Not Meet</b>	<b>Exception</b>
<ul style="list-style-type: none"> <li>A lightweight, lumbar support style backframe and harness assembly shall be used to carry the cylinder and valve assembly and the pressure-reducing regulator assembly.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The backframe shall be a solid, one-piece black powder-coated aluminum alloy frame that is contoured to follow the shape of the user's back.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The backframe shall include a shroud to streamline hose and wire management by minimizing exposure of the low pressure hose and electronics molded cable.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The backframe shall include a mounting for the pressure reducing regulator located at the waist.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The backframe shall include an over-the-center, adjustable tri-slide fixture, a para-aramid strap and a double-locking latch assembly to secure 30, 45, 60, or 75 minute cylinders.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The backframe shall include a mounting area suitable for installation of a distress alarm integrated with the SCBA.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The mounting area shall permit installation of a distress alarm sensor module in an area between the pressure reducer and the backframe.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The harness assembly shall include a waist pad and shoulder pads constructed of an outer shell material and incorporating a closedcell foam design to help minimize water absorption.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The harness assembly shall incorporate parachute-type, quick release buckles with an integrated bail to help secure the webbing. Optional spring (alligator) clips shall also be available.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The harness assembly shall consist of a one size black para-aramid strap with two red stripes along the outer edges and a reflective stripe in the center for enhanced visibility.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The harness assembly shall include a seat-belt type waist belt attachment.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The harness assembly shall include box-stitched construction with no screws or bolts.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<ul style="list-style-type: none"> <li>The harness assembly shall be removable from the backframe without the use of tools.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The harness assembly shall be machine washable to help with exposure reduction.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The harness assembly shall accommodate a waist belt extension.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The waist pad shall be attached to the backframe such that movement by the wearer provides natural articulation. Articulation shall be accomplished without the use of mechanical devices.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The waist pad and belt shall freely wrap around and conform to the wearers' hips.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The shoulder harness shall be fitted with a Drag Rescue Loop (DRL) capable of being deployed in an emergency situation to drag a downed firefighter to safety.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The Drag Rescue Loop (DRL) shall be sewn into the shoulder harness assembly and shall provide a horizontal pull strength of 1000 lbs.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The Drag Rescue Loop (DRL) shall be stored in a manner to prevent accidental snag, but maintain accessibility with gloved hands.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The shoulder harness shall be attached to the backframe such that the harness presents itself for ease of donning.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The shoulder harness shall include reflective material to enhance the visibility of the wearer in low-light conditions.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The shoulder harness shall accommodate two distinct positions for a chest strap attachment.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The shoulder harness shall accommodate a mounting clip for attachment of a handheld radio remote speaker microphone.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Rapid Intervention Crew / Universal Air Connection (RIC/UAC)</b>			
	<b>Meets</b>	<b>Does Not Meet</b>	<b>Exception</b>
<ul style="list-style-type: none"> <li>The SCBA shall incorporate a RIC/UAC fitting to be compliant with the 2018 edition of the NFPA 1981 Self-Contained Breathing Apparatus standard.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The RIC/UAC shall be an integral part of the pressure reducer and protected by the backframe.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The RIC/UAC inlet connection shall be within 4" (4-inches) of the tip of the CGA threads of the cylinder valve.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The RIC/UAC shall consist of a connection for attaching a high-pressure air source and a self-resetting relief valve allowing a higher pressure than that of the SCBA to be attached to the SCBA.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The self-resetting relief valve shall be color-coded to identify pressure rating of the SCBA.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The RIC/UAC shall have a check valve to prevent the loss of air when the high-pressure air source has been disconnected.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<i>Cylinder</i>	Meets	Does Not Meet	Exception
<ul style="list-style-type: none"> <li>The cylinder threads shall be straight with an O-ring or quad-ring gasket type seal.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The cylinder valve shall be a “fail open” type, constructed of forged aluminum and designed such that no stem packing or packing gland nuts are required.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>It shall contain an upper and lower seat such that the pressure will seal the stem on the upperseat, thus preventing leakage past the stem.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>No adjustment shall be necessary during the life of the valve.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>If the SCBA is equipped with a CGA cylinder connection, the cylinder valve outlet shall be a modification of the Compressed Gas Association (CGA) standard threaded connection number 346 for breathing air for 2216 and CGA 347 for 4500 and 5500 systems.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>If the SCBA is equipped with a Snap-Change Cylinder connection, the cylinder valve shall be designed with a patented stainless steel quick connect snout that delivers air directly to the first stage pressure- reducing regulator. The quick connect snout shall be an integral part of the cylinder valve, rather than an adapter that threads onto the CGA fitting.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>If the SCBA is equipped with a Snap-Change Cylinder connection, the cylinder valve shall be offered with a CGA 346 or CGA 347 fitting for the purposes of filling the cylinder only.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>If the SCBA is equipped with a Snap-Change Cylinder connection, the fill fitting shall have a check valve to prevent flow from the cylinder.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>If the SCBA is equipped with a Snap-Change Cylinder connection, the fill fitting shall be provided with a dust cover to protect threads from damage and prevent interior surfaces from being contaminated when not in use.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>If the SCBA is equipped with a Snap-Change Cylinder connection, the dust cover shall be retained to the cylinder valve.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>Each cylinder valve shall consist of the following: 1) a hand activated valve mechanism with a spring-loaded, positive action, ratchet type safety lock and lock-out release for selecting “lock open service” or “non-lock open service”; 2) an upstream connected frangible disc safety relief device; 3) a dual reading pressure gauge indicating cylinder pressure at all times; 4) an elastomeric bumper; 5) an angled outlet.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The cylinder valve shall have an RFID tag molded into the elastomeric bumper with a universal RFID marking embossment.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The RFID tag shall be capable of storing product specific information, including serial number, manufacture date, hydrostatic test date, pressure rating, life expectancy, and fill logs.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The SCBA shall maintain all NIOSH and NFPA standards with any of the following types of cylinders listed as provided by the SCBA manufacturer.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



<i>Aluminum</i>			
<ul style="list-style-type: none"> <li>The cylinder shall be manufactured in accordance with DOT specifications and meet the Transport Canada requirements with a working pressure of 2216psig.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The cylinder shall be made of an aluminum alloy.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The cylinder shall be available in a 30-minute duration based on the NIOSH breathing rate of 40 liters per minute (lpm).</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Carbon-Wrapped</i>			
<ul style="list-style-type: none"> <li>The cylinder shall be manufactured in accordance with DOT specifications and meet the Transport Canada requirements with working pressures of 2216, 4500, or 5500 psig.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The cylinder shall be lightweight, composite type cylinder consisting of an aluminum alloy inner shell, with a total overwrap of carbon fiber, fiberglass and an epoxy resin.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The cylinder shall have a 2D barcode located under the protective gel coat programmed with the following information, at a minimum: serial number, manufacture date, and hydrostatic test date.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The cylinder shall be available in a 30-minute, 45-minute, 60-minute or 75 minute duration based on the NIOSH breathing rate of 40 liters per minute (lpm).</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The cylinder shall be available in an approved 30-year life design as defined by the DOT Special Permit 14232.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Warranty</i>	Meets	Does Not Meet	Exception
<ul style="list-style-type: none"> <li>The unit shall be covered by a warranty providing protection against defects in materials and workmanship.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>This warranty period shall be for as long as the SCBA is owned by the original purchaser.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>This warranty shall not require a registration in order to activate.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>This warranty shall not be contingent upon completing mandatory overhaul or recommended preventative maintenance.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Personal Alert Safety System with Firefighter Locator</i>	Meets	Does Not Meet	Exception
<ul style="list-style-type: none"> <li>The PASS Device shall be compliant to the NFPA 1982, 2018 Edition Standard on Personal Alert Safety Systems.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>Operation of this distress alarm shall be initiated with the opening of the valve of an SCBA charged cylinder.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The system shall feature a “hands-free” re-set capability that may be activated by means of a slight movement of the SCBA when the system is in a pre-alarm mode.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The system shall operate from a single power source-containing six “AA” batteries.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<ul style="list-style-type: none"> <li>The battery life of the SCBA with PASS only shall be no less than 200 hours.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The system shall have a battery check function that provides an LED indication of battery status while the SCBA is not pressurized.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>When the PASS is manually activated, the locator system shall immediately emit a 2.4 GHz signal to be received by a separate hand-held receiver.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>When the PASS is activated due to lack of motion, the locator system shall have a ten second delay prior to emitting a 2.4 GHz signal to be received by a separate hand-held receiver.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The system shall utilize a 2.4 GHz signal to provide the best path to a "downed" firefighter.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The locating system shall be programmable with eight alphanumeric characters to provide identification information.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The PASS device shall contain two components: a Console and a Sensor Module.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>When the PASS device goes into pre-alarm, the user shall be notified through a distinct light pattern in the breathing regulator-mounted HUD display.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Console</i>			
<ul style="list-style-type: none"> <li>The console shall be located on the user's right shoulder harness.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The console shall contain an integral edge lit mechanical pressure gauge that is automatically turned on by opening the cylinder valve.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The console shall display to the user the following: Pre-Alarm: alternating red flashing LED's; Full Alarm: dual flashing red LED's and a flashing PASS icon; Low Battery: red flashing LED's; Normal System Operation: flashing green LED.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The console shall contain a photo sensing diode that automatically adjusts the brightness of the HUD as the ambient lighting conditions change.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The console shall contain an integrated RFID tag.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The console shall contain push buttons for user interface.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The push buttons shall be designed to minimize accidental activation.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>A yellow color-coded push button shall permit system re-set.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>A red color-coded push button shall permit manual activation of the full alarm mode.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The console shall be equipped with a LED "External HUD" allowing others to determine the wearer's cylinder pressure through the same color-code scheme as the breathing regulator-mounted HUD.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>A green LED shall be illuminated across the gauge face to indicate a cylinder with greater than half cylinder pressure.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>A yellow LED shall be illuminated across the gauge face to indicate a cylinder with less than half cylinder pressure.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>A red LED shall be illuminated across the gauge face to indicate a cylinder with less than 35% cylinder pressure.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<i>Sensor Module</i>			
<ul style="list-style-type: none"> <li>The system shall include a sensor module mounted to the SCBA backframe and located in an area between the cylinder and backframe in a manner designed to protect the assembly from damage.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The sensor module shall contain a motion sensor that is sensitive to user hip movement to reduce false activations.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The sensor module shall contain redundant, dual sound emitters for the audible alarm and dual visual "buddy" indicator lights.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The sensor module sound emitters shall be oriented in multidirections for optimal sound projection.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The sensor module sound emitters shall broadcast a unique alarm tone for the following conditions: Pre-alarm PASS, Full-alarm PASS, EVAC, System Integrity, PAR, and Low-battery.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The visual indicators on the backframe mounted sensor module shall flash green during normal operation.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The visual indicators shall flash red when the device is in prealarm and full-alarm.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The visual indicators shall flash orange when the SCBA has reached one-half cylinder pressure.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The visual indicators shall flash a combination of red, green, and white when the SCBA has reached 35% of the rated cylinder pressure.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The sensor module shall have a Bluetooth chip set integral to the unit to provide wireless connectivity to external devices.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Optional Components			
<i>Personal Alert Safety System with Accountability</i>	Meets	Does Not Meet	Exception
<ul style="list-style-type: none"> <li>The PASS Device shall be compliant to the NFPA 1982, 2018 Edition Standard on Personal Alert Safety Systems.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>Operation of this distress alarm shall be initiated with the opening of the valve of an SCBA charged cylinder.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The system shall feature a "hands-free" re-set capability that may be activated by means of a slight movement of the SCBA when the system is in a pre-alarm mode.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The system shall operate from a single power source containing six "AA" batteries.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The system shall have a battery check function that provides an LED indication of battery status while the SCBA is not pressurized.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>When the PASS is manually activated, the locator system shall immediately emit a 2.4 GHz signal to be received by a separate hand-held receiver.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>When the PASS is activated due to lack of motion, the locator system shall have a ten second delay prior to emitting a 2.4 GHz signal to be received by a separate hand-held receiver.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The system shall utilize a 2.4 GHz signal to provide the best path to a "downed" firefighter.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The locating system shall be programmable with eight alpha-numeric characters to provide identification information.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The system shall transmit user status information at a frequency of 2.4 GHz on a self-healing mesh network system that when deployed allows each energized SCBA to function as a repeater ensuring system connectivity.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The system shall provide bi-directional communications between incident command and the SCBA wearer.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The communication shall contain: the user's name or ID, cylinder pressure, PASS alarms, PASS Acknowledgement, evacuation status, evacuation acknowledgement, Withdraw status, Withdraw acknowledgement, System status, and Electronic PAR status.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The PASS device shall contain two components: a Console and a Sensor Module.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>When the PASS device goes into pre-alarm, the user shall be notified through a distinct flashing light pattern in the breathing regulator-mounted HUD display.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<i>Console</i>			
<ul style="list-style-type: none"> <li>The console shall be located on the user's right shoulderharness.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The control console shall come with a mechanical (analog) pressure gauge that is angled at 30°.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The console shall contain an integral edge lit mechanical pressure gauge that is automatically turned on by opening the cylinder valve.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The console shall display to the user the following: Pre-Alarm: alternating red flashing LED's; Full Alarm: dual flashing red LED's and a flashing PASS icon; Low Battery: red flashing LED's; Normal System Operation: flashing green LED.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The console shall also include icons to indicate Range Status, Evacuation, Withdraw (self-evacuation), ePAR, and when the system is ready to receive the user's ID through an RFID card.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The console shall contain a photo sensing diode to dim and brighten the HUD as the ambient lighting conditions change.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The console shall contain an integrated RFIDtag.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The console shall contain push buttons for user interface.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The push buttons shall be designed to minimize accidental activation.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>A yellow color-coded push button shall permit system re-set.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>A red color-coded push button shall permit manual activation of the full alarm mode.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>A gray color-coded push button shall permit the activation of the withdraw mode.</li> </ul>			
<ul style="list-style-type: none"> <li>The console shall be equipped with a LED "External HUD" allowing others to determine the wearer's cylinder pressure through the same color-code scheme as the breathing regulator-mounted HUD.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>A green LED shall be illuminated across the gauge face to indicate a cylinder with greater than half cylinder pressure.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>A yellow LED shall be illuminated across the gauge face to indicate a cylinder with less than half cylinder pressure.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>A red LED shall be illuminated across the gauge face to indicate a cylinder with less than 35% of the rated cylinder pressure.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Sensor Module</i>			
<ul style="list-style-type: none"> <li>The system shall include a sensor module mounted to the SCBA backframe and located in an area between the cylinder and backframe in a manner designed to protect the assembly from damage.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The sensor module shall contain a motion sensor that is sensitive to user hip movement to reduce false activations.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The sensor module shall contain redundant, dual sound emitters for the audible alarm and dual visual "buddy" indicator lights.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The sensor module sound emitters shall be oriented in multi-directions for optimal sound projection.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The sensor module sound emitters shall broadcast a unique alarmtone for the following conditions: Pre-alarm PASS, Full-alarmPASS, EVAC, System Integrity, ePAR, and Low-battery.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The visual indicators on the backframe mounted sensor module shall flash green during normal operation.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<ul style="list-style-type: none"> <li>The visual indicators shall flash red when the device is in pre-alarm and full-alarm.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The visual indicators shall flash orange when the SCBA has reached one-half cylinder pressure.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The visual indicators shall flash a combination of red, green, and white when the SCBA has reached 35% of the rated cylinder pressure.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The sensor module shall have a Bluetooth chip set integral to the unit to provide wireless connectivity to external devices.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Universal Emergency Breathing Safety System (UEBSS)</b>	<b>Meets</b>	<b>Does Not Meet</b>	<b>Exception</b>
<ul style="list-style-type: none"> <li>The optional Universal Emergency Breathing Safety System (UEBSS) shall be approved to NIOSH 42CFR, Part 84 and NFPA 1981, 2018 Edition.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The UEBSS shall have one of each of the following requirements; (1) a manifold with one each of a Rectus female socket and Rectus male plug, both of which have check valves, (2) 40' minimum low-pressure hose, (3) a pouch for storing the hose, and (4) a dust cap for the female socket and male plug.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The UEBSS shall be positioned on the wearer's right side and shall be capable of allowing for six feet of hose between like systems.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The manifold shall be made of aluminum and be anodized black.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The female socket and male plug shall have spacing, no less than 15° off-center.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The female socket shall have a double action to disengage, noted as a "push-in/pull-back".</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The female socket shall have an internal checkvalve.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The male plug shall have an external check valve.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The hose shall be made of high temperature rubber capable of sustaining a maximum 250 psig of pressure.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The containment system shall include a pouch and shall be made of para-aramid materials and shall be capable of storing 36" of hose.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The pouch shall be attached to the SCBA by snap fasteners.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The pouch shall have a pull-strap to assist with opening of the flap and gaining access to the hose and manifold assembly.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The pouch shall be marked "UEBSS" and be constructed of reflective material.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The pouch shall be removable from the backframe without the use of tools.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<ul style="list-style-type: none"> <li>The UEBSB shall have provision for connection of a supplied airline for extended duration use while reserving the cylinder supply for egress.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The UEBSB shall connect to a supplied airline using an extended duration airline adapter.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The extended duration airline adapter shall have a female quick connect fitting on one end to connect to the UEBSB.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The extended duration airline adapter shall have a male quick connect fitting on one end to connect to a supplied airline. The adapter shall be able to accommodate Hansen, Foster, Hansen HK, or Schrader.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The extended duration airline adapter shall have a check valve to prevent the accidental loss of air when the adapter is disconnected from the supplied airline.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b><i>Integrated Self-Rescue Belt</i></b>	<b>Meets</b>	<b>Does Not Meet</b>	<b>Exception</b>
<ul style="list-style-type: none"> <li>The optional integrated self-rescue belt shall be compliant to the NFPA 1981, 2018 edition and NFPA 1983, 2017 edition standards.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The waist belt shall be available in a single size, adjustable to fit waist sizes 28" to 50".</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The waist belt shall be constructed of 100% Kevlar webbing.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The waist belt shall be fire-resistant to meet the NFPA 1981, 2018 edition standard.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The waist belt shall have dual adjustment points to allow the belt to remain centered while donning.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The waist belt shall utilize side thumb-release buckles for ease of doffing.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The waist belt shall incorporate an optional quick release feature to jettison the SCBA.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The waist belt shall have a non-jettison option.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The waist belt shall utilize the patented COBRA buckle system.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The waist belt shall include a D-ring integrated into the front buckle that can be utilized as an NFPA 1983 rated attachment or positioning point.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The assembly shall consist of the following components: waist belt, life safety rope, fall descent device and anchor connector.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The life safety rope shall be Tsafe 7.5mm escape rope utilizing a Technora sheath and nylon core construction.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The descent device shall be an auto-locking F4 descender with single brake.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The system shall have an option for either a lightweight, aluminum Lightning GT hook or a steel Crosby hook.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The complete system shall be capable of a 3,034 lb. static load.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<i>Electronic Voice Communications</i>	Meets	Does Not Meet	Exception
<ul style="list-style-type: none"> <li>The respirator shall have an optional facepiece-mounted voice amplification device to electronically project the user's voice.</li> </ul> <p>Refer to EPIC 3 Voice Amplifier Bid Specifications, H/S 7093</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The respirator shall have an optional facepiece-mounted radio interface communication system that provides voice amplification and wireless communication with two-way radios.</li> </ul> <p>Refer to EPIC 3 RI Voice Communication System Bid Specifications, H/S 7489</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The respirator shall have an optional facepiece-mounted radio direct interface communication system that provides voice amplification and wireless communication with two-way radios.</li> </ul> <p>Refer to EPIC 3 RDI Voice Amplifier Bid Specifications, H/S 7570</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>In-Mask Thermal Imager</i>	Meets	Does Not Meet	Exception
<ul style="list-style-type: none"> <li>The respirator shall have an optional hands-free, in-mask thermal imager.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The in-mask thermal imager shall consist of a facepiece-mounted thermal imaging camera and an in-mask display.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>





**EXHIBIT A – EAGLE COUNTY PARAMEDIC SERVICES AND PUBLIC SAFETY ASSOCIATION INC. –  
NATIONAL COOPERATIVE CONTRACT**

1.0 Scope of National Cooperative Contract

1.1 Requirement

Eagle County Paramedic Services (hereinafter defined and referred to as "Principal Procurement Agency"), on behalf of itself and the Public Safety Association Inc. ("PSAI"), is requesting proposals for Sterilization and Respiration and other Related Products and Services. The intent of this Request For Bid is that any contract between Principal Procurement Agency and Supplier resulting from this Request For Bid (hereinafter defined and referred to as the "Master Agreement") be made available to other public agencies nationally, including state and local governmental entities, public and private primary, secondary and higher education entities, non-profit entities, and agencies for the public benefit ("Public Agencies"), through PSAI's cooperative purchasing program. The Principal Procurement Agency has executed a Principal Procurement Agency Certificate with PSAI (an example of which is included as Exhibit C) and has agreed to pursue the Master Agreement. Use of the Master Agreement by any Public Agency, including the Principal Procurement Agency, will be preceded by their registration with PSAI as a Participating Public Agency in PSAI's cooperative purchasing program. Registration with PSAI as a Participating Public Agency is accomplished by Public Agencies joining PSAI and selecting to support the Master Intergovernmental Cooperative Purchasing Agreement, an example of which is attached as Exhibit B. The terms and pricing established in the resulting Master Agreement between the Supplier and the Principal Procurement Agency will be the same as that available to Participating Public Agencies through PSAI.

All transactions, purchase orders, etc., will occur directly between the Supplier and each Participating Public Agency individually, and neither PSAI or its Partners, any Principal Procurement Agency nor any Participating Public Agency, including their respective agents, directors, employees or representatives, shall be liable to Supplier for any acts, liabilities, damages, etc., incurred by any other Participating Public Agency.

This Exhibit A defines the expectations for qualifying Suppliers based on PSAI's requirements to market the resulting Master Agreement nationally to Public Agencies. Each section in this Exhibit A refers to the capabilities, requirements, obligations, and prohibitions of competing Suppliers on a national level in order to serve Participating Public Agencies through PSAI.

These requirements are incorporated into and are considered an integral part of this RFB. PSAI reserves the right to determine whether or not to make the Master Agreement awarded by the Principal Procurement Agency available to Participating Public Agencies.

1.2 Marketing and Administrative Support

During the term of the Master Agreement PSAI and its Partners intends to provide marketing and administrative support for Supplier pursuant to this section 1.2 that directly promotes the Supplier's products and services to Participating Public Agencies through multiple channels, each designed to promote specific products and services to Public Agencies on a national basis.

The PSAI marketing team and its Partners will work in conjunction with Supplier to promote the Master Agreement to both existing Participating Public Agencies and prospective Public Agencies through:

- A. Marketing collateral (print, email, presentations)
- B. Website support
- C. Trade shows/conferences/meetings
- D. Advertising

The PSAI sales teams will work in conjunction with Supplier to promote the Master Agreement to both existing Participating Public Agencies and prospective Public Agencies through:

- A. Individual sales calls
- B. Joint sales calls
  
- C. Communications/customer service
- D. Training sessions for Public Agency teams
- E. Training sessions for Supplier teams

The PSAI contracting teams will work in conjunction with Supplier to promote the Master Agreement to both existing Participating Public Agencies prospective Public Agencies through:

- A. Savvik Buying Group will serve as the lead marketing agent for the contract.
- B. Serving as the subject matter expert for questions regarding joint powers authority and state statutes and regulations for cooperative purchasing
- C. Training sessions for Public Agency teams
- D. Training sessions for Supplier teams
- E. Regular business reviews to monitor program success
- F. General contract administration

Capitalized terms not otherwise defined herein shall have the meanings given to them in the Master Agreement or in the Public Safety Association Inc. Company Administration Agreement between Supplier and PSAI (the "PSAI Administration Agreement")

#### 1.4 Award Basis

The basis of any contract award resulting from this RFB made by Principal Procurement Agency will be the basis of award on a national level through PSAI. If multiple suppliers are awarded by Principal Procurement Agency under the Master Agreement, those same suppliers will be required to extend the Master Agreement to Participating Public Agencies through PSAI. Utilization of the Master Agreement by Participating Public Agencies will be at the discretion of the individual Participating Public Agency. Certain terms of the Master Agreement specifically applicable to the Principal Procurement Agency are subject to modification for each Participating Public Agency as Supplier, such Participating Public Agency and PSAI shall agree.

#### 1.5 Objectives of a Cooperative Program

This RFB is intended to achieve the following objectives regarding availability through PSAI's cooperative program:

- A. Provide a comprehensive competitively solicited and awarded national agreement offering the Products covered by this solicitation to Participating Public Agencies;
- B. Establish the Master Agreement as the Supplier's primary go to market cooperative strategy to Public Agencies nationwide;
- C. Achieve cost savings for Supplier and Public Agencies through a single solicitation process that will reduce the Supplier's need to respond to multiple solicitations;

- D. Combine the aggregate purchasing volumes of Participating Public Agencies to achieve cost effective pricing.

## 2.0 REPRESENTATIONS AND COVENANTS

As a condition to Supplier entering into the Master Agreement, which would be available to all Public Agencies, Supplier must make certain representations, warranties and covenants to both the Principal Procurement Agency and PSAI designed to ensure the success of the Master Agreement for all Participating Public Agencies as well as the Supplier.

### 2.1 Corporate Commitment

Supplier commits that (1) the Master Agreement has received all necessary corporate authorizations and support of the Supplier's executive management, (2) the Master Agreement is the Supplier's primary "go to market" cooperative strategy for Public Agencies, (3) the Master Agreement will be promoted to all Public Agencies, including any existing customers, and Supplier will transition existing customers, upon their request, to the Master Agreement, and (4) that the Supplier has read and agrees to the terms and conditions of the Administration Agreement with PSAI and will execute such agreement concurrent with and as a condition of its execution of the Master Agreement with the Principal Procurement Agency. Supplier will identify an executive corporate sponsor and a separate national account manager within the RFB response that will be responsible for the overall management of the Master Agreement.

### 2.2 Pricing Commitment

Supplier commits that the Master Agreement pricing is its lowest available (net to buyer) to Public Agencies nationwide and further commits that if a Participating Public Agency is eligible for lower pricing through a national, state, regional or local or cooperative contract, that the Supplier will match such lower pricing to that Participating Public Agency under the Master Agreement. Bidder may offer "local contracts" to offer pricing to members in special situations without affecting the overall master agreement.

**Multiple Unit Sales: Successful bidder may negotiate better pricing with member if member is purchasing 2 or more units in one order without effecting the overall bid price. The order needs to be completed in a 6 month time frame. All units are subject to contract management fee.**

### 2.3 Sales Commitment

Supplier commits to aggressively market the Master Agreement as its go to market strategy in this defined sector and that its sales force will be trained, engaged and committed to offering the Master Agreement to Public Agencies through PSAI nationwide. Supplier commits that all Master Agreement sales will be accurately and timely reported to PSAI in accordance with the PSAI Agreement. Supplier also commits that its sales force will be compensated, including sales incentives, for sales to Public Agencies under the Master Agreement in a consistent or better manner compared to sales to Public Agencies if the Supplier were not awarded the Master Agreement.

**EXHIBIT B**  
**EAGLE COUNTY PARAMEDIC SERVICES AND PUBLIC SAFETY ASSOCIATION INC.**  
**COOPERATIVE PURCHASING AGREEMENT**

MASTER INTERGOVERNMENTAL COOPERATIVE PURCHASING AGREEMENT

This Agreement is made between certain government agencies that execute a Principal Procurement Agency Certificate ("Principal Procurement Agencies") to be appended and made a part hereof and other public agencies ("Participating Public Agencies") that register electronically with Public Safety Association Inc. ("PSAI") and its marketing Partners or otherwise execute a Participating Public Agency Certificate to be appended and made a part hereof.

RECITALS

**WHEREAS**, after a competitive solicitation and selection process by Principal Procurement Agencies, a number of Suppliers have entered into Master Agreements to provide a variety of goods, products and services based on national volumes (herein "Products");

**WHEREAS**, Master Agreements are made available by Principal Procurement Agencies through PSAI and provide that Participating Public Agencies may purchase Products on the same terms, conditions and pricing as the Principal Procurement Agency, subject to any applicable local purchasing ordinances and the laws of the State of purchase;

**NOW, THEREFORE**, in consideration of the mutual promises contained in this agreement, and of the mutual benefits to result, the parties agree as follows:

1. That each party will facilitate the cooperative procurement of Products.
2. That the procurement of Products subject to this agreement shall be conducted in accordance with and subject to the relevant statutes, ordinances, rules and regulations that govern each party's procurement practices.
3. That the cooperative use of solicitations obtained by a party to this agreement shall be in accordance with the terms and conditions of the solicitation, except as modification of those terms and conditions is otherwise allowed or required by applicable law.
4. That the Principal Procurement Agencies will make available, upon reasonable request and subject to convenience, information which may assist in improving the procurement of products by the Participating Public Agencies.
5. That a procuring party will make timely payments to the Supplier for Products received in accordance with the terms and conditions of the procurement. Payment for Products and inspections and acceptance of Products ordered by the procuring party shall be the exclusive obligation of such procuring party. Disputes between procuring party and Supplier are to be resolved in accord with the law and venue rules of the State of purchase.
6. The procuring party shall not use this agreement as a method for obtaining additional concessions or reduced prices for similar products or services.
7. The procuring party shall be responsible for the ordering of Products under this agreement. A non-procuring party shall not be liable in any fashion for any violation by a procuring party, and the procuring party shall hold non-procuring party harmless from any liability that may arise from action or inaction of the procuring party.
8. This agreement shall remain in effect until termination by a party giving 30 days written notice to the other party. The provisions of paragraphs 5, 6 and 7 hereof shall survive any such termination.
9. This agreement shall take effect after execution of the Principal Procurement Agency Certificate or Participating Public Agency Registration, as applicable.

**EXHIBIT C**  
**EAGLE COUNTY PARAMEDIC SERVICES**  
**PRINCIPAL PROCUREMENT AGENCY CERTIFICATE**

PRINCIPAL PROCUREMENT AGENCY CERTIFICATE

I hereby acknowledge, on behalf of Eagle County Paramedic Services ("Principal Procurement Agency"), that I have read and agree to the general terms and conditions set forth in the enclosed Master Intergovernmental Cooperative Purchasing Agreement regulating the use of the Master Agreements and purchase of Products that from time to time are made available by Principal Procurement Agencies to Participating Public Agencies nationwide through Public Safety Association Inc. (PSAI). I understand that the purchase of one or more Products under the provisions of the Master Intergovernmental Cooperative Purchasing Agreement is at the sole and complete discretion of the Participating Public Agency.

In its capacity, as Principal Procurement Agency for PSAI, Eagle County Paramedic Services agrees to pursue Master Agreements for Products as specified in the attached exhibits to this agreement.

Authorized Signature, Eagle County Paramedic Services

\_\_\_\_\_  
Signature