

**Request for Bids (RFB)
Self-Contained Breathing Apparatus (SCBA)
Lafayette Township Fire Department**

Bid Responses Due By: October 20, 2021 at 4:00 P.M. EST

**Submittals shall be delivered in a sealed package, container or envelope
clearly marked on the outermost portion of the package:
“Lafayette Township Fire Department SCBA Bid”**

Bids will be received at:

Lafayette Township Fire Protection District
4002 Scottsville Road
Floyds Knobs, IN 47119

Direct Questions to:

Jeremy Klein, Chief
E-Mail : jklein@ltvfd.org
Phone : 812-923-8003
Mobile : 502-639-1337

ANTICIPATED SCHEDULE OF EVENTS

Event	Due Date/Time
Questions & Clarifications	October 13, 2021 at 4:00 P.M. EST
Demonstration	October 19, 2021 at 4:00 P.M. EST
Bid Due Date	October 20, 2021 at 4:00 P.M. EST
Bid Opening	October 21, 2021 at 7:00 P.M. EST
Anticipated Award Date & Notification	October 28, 2021

LAFAYETTE TOWNSHIP FIRE DEPARTMENT REQUEST FOR BIDS ON SELF-CONTAINED BREATHING APPARATUS

1. INTRODUCTION

- 1.1. As part the Assistance to Firefighters Grant award EMW-2020-FG-16536, the Lafayette Township Fire Department is seeking bids for purchase of self-contained breathing apparatus (SCBA) and related components. The SCBA and related components shall meet the minimum specifications listed below. Options are listed immediately following the minimum specifications. Proposals on the options are at the discretion of the vendor. All bids must conform to these specifications and be presented on the forms provided for that purpose.
- 1.2. The department seeks bids for **30 COMPLETE SCBA** units that comprise of backpack harness, 2 SCBA cylinders and facepiece, plus **14 additional SCBA** facepieces.

2. BIDS

- 2.1. Bids must be submitted, and the forms included in this document must be properly completed and signed in the spaces indicated. Two (2) complete sets of your bid along with the forms in this document must be submitted in a sealed envelope plainly marked "**Lafayette Township Fire Department SCBA Bid**" to the Lafayette Township Fire Department 4002 Scottsville Road, Floyds Knobs, IN 47119 by the due date and time. Bids submitted otherwise will not be accepted.
- 2.2. The Lafayette Township Fire Department reserves the right to reject any or all bids, waive technicalities, to be the sole judge of suitability of the equipment or services for its intended use, and further specifically reserve the right to make the award in the best interests of the fire department and fire district. All equipment or services listed are intended for a particular use by the fire department in which it is to be utilized, and must meet the requirements of that particular division(s). Other factors to be considered in awarding the bid will be price, quality, compatibility, and time required to make delivery. Unless otherwise specified by the bidder, the Lafayette Township Fire Department reserves the right to accept any item in the bid and to award items to one single provider.
- 2.3. Failure to respond to any requirements outlined in this RFB, or failure to enclose copies of the required documents, may disqualify the bid.
- 2.4. Since time is of the essence, the date of delivery as shown in the Bid may be taken into consideration in the award or in the cancellation of the award for breach of contract.

3. EXCEPTIONS TO SPECIFICATIONS

- 3.1. These specifications are based upon design and performance criteria which have been researched and analyzed by the department. Therefore, major exceptions to these specifications may not be accepted.
- 3.2. To the right side of each section for a particular specification, the bidder shall state "YES", "NO" or "EXCEPTION" indicating the exact compliance with the specification.
- 3.3. All deviations and exceptions, no matter how slight, shall be clearly explained in writing with the bid proposal. All exceptions must list the section and fully describe the exception or alternative.
- 3.4. The Lafayette Township Fire Department may choose to reject bids based on exceptions. Any exceptions that make the SCBA non-compliant with the National Fire Protection Association's 2018 Edition of NFPA-1981 Standard on Open-Circuit

Self-Contained Breathing Apparatus (SCBA) for Emergency Services will result in the bid being rejected.

4. WARRANTY INFORMATION

- 4.1. Vendor shall state specifically in the bid the manufacturer's warranty regarding parts and labor, and the duration of the warranty in years. If separate parts of the SCBA/Cylinder/Facepiece have different warranties, this shall be specified in the bid. The vendor shall state specifically any and all regularly scheduled maintenance and requirements outlined by the manufacturer to maintain any and all warranties.
- 4.2. Additionally, the vendor shall also provide specific information regarding where said maintenance can and/or should be performed (i.e., within fire department, manufacturer's service center, etc.).

5. COST OF OWNERSHIP

- 5.1. The vendor and/or manufacturer's representative shall, to the best of their ability, provide documentation and/or information regarding their SCBA's projected "cost of ownership".

6. CONTACT

- 6.1. Questions regarding the specifications should be directed to Chief Jeremy Klein, Lafayette Township Fire Department, (812) 923-8003 or jklein@ltvfd.org.

7. MINIMUM SPECIFICATIONS OF THE SELF-CONTAINED BREATHING APPARATUS

It is the intent of these minimum specifications to describe certain equipment in sufficient detail to obtain competitive bids from qualified vendors for the furnishing and delivery of said equipment to be used by the regional fire departments. All parts not specifically mentioned which are necessary to provide the described equipment shall be included in the proposal, and shall conform in strength and quality or material and workmanship to what is usually provided for the trade in general. Any omissions of components in these specifications are inadvertent and should be included in the proposed SCBA.

7.1 SCBA	Meets Specifications		
	Yes	No	Exception
7.1.1 The SCBA shall consist of the following major sub-assemblies: (1) full facepiece assembly; (2) a removable, positive pressure, mask-mounted regulator with air-saver switch; (3) an automatic dual path redundant pressure-reducing regulator; (4) end-of service time indicators; (5) a harness and back frame 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); (8) a personal alert safety system (PASS); and (9) cylinder and valve assembly for storing breathing air under pressure.			

7.1.2	SCBA shall be approved by the National Institute for Occupational Safety and Health (NIOSH), under 42 CFR, Part 84 for chemical, biological, radiological, and nuclear protection (CBRN) with at least 45-minute service life and compliant with all requirements of the National Fire Protection Association's 2018 Edition of NFPA-1981 Standard on Open-Circuit Self-Contained Breathing Apparatus.			
7.1.3	Units shall be equipped with integrated PASS device must meet requirements of NFPA 1982, 2018 Edition Standard on Personal Alert Safety Systems.			
7.1.4	All 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.			
7.1.5	The SCBA shall maintain all NIOSH standards with any of the types of cylinders listed as provided by the SCBA manufacturer.			

		Meets Specifications		
7.2 Facepiece		Yes	No	Exception
7.2.1	The facepiece shall have a large diameter inlet that enables both unrestricted breathing and voice communications, while also allowing for rehydration (oral) without having to remove the facepiece			
7.2.2	Facepiece shall not contain electronic components and meet NFPA 1981, 2018 Edition standard for nonelectronic communications.			
7.2.3	The facepiece shall enable connection of the mask-mounted regulator by way of a quarter (1/4) turn rotation in a single direction. The facepiece shall interface with the mask-mounted regulator, without the use of tools, with an audible click to assure the user that the regulator is properly seated.			
7.2.4	The facepiece assembly, including head harness, shall not be made with natural rubber latex.			
7.2.5	Facepiece shall be available in three sizes, marked "S" for small, "M" for medium and "L" for large, and be color-coded for ease of identification			
7.2.6.	The face seal shall be a single-reflex design for enhanced comfort and easier donning.			

7.2.7	The facepiece shall include a face seal that is secured to the lens by a U-shaped bezel using no more than two fasteners.			
7.2.8	The facepiece shall contain inhalation valves that are contrasting in color and readily visible to enable quick visual inspection.			
7.2.9	Multi-directional voice emitters shall be recessed on both sides of the facepiece and ducted directly to an integral silicone nose cup to enhance voice transmission around the user.			
7.2.10	The face seal shall provide a landing area with ridges to help improve the interface with protective hoods.			
7.2.11	The facepiece shall incorporate attachment points for an optional accessory neck strap.			
7.2.12	The facepiece assembly shall be modular in design to enable ease of upgrading and serviceability.			
7.2.13	The facepiece shall be capable of submersion for cleaning and disinfecting.			
7.2.14	The lens is a component of the facepiece assembly and shall be a single, replaceable, modified-cone configuration, constructed of a high-temperature and radiant-heat-resistant, non-shatter type polycarbonate material.			
7.2.15	The lens shall be coated to resist abrasion and meet the requirements of NFPA 1981, 2018 Edition standard for lens abrasion.			
7.2.16	The lens shall have an internal anti-fog coating to reduce fogging of the lens.			
7.2.17	The lens shall meet the requirements of the NFPA 1981, 2018 Edition standard for radiant heat and elevated temperature heat and flame resistance tests.			
7.2.18	In accordance with NIOSH 42 CFR part 84, the facepiece shall meet the penetration and impact requirements, including compliance with ANSI Z87.1 – 2015.			
7.2.19	The head harness shall be constructed of a para-aramid material for fire, first responder and CBRN applications.			

7.2.20	The head harness shall be available in three sizes to accommodate persons of varying facial shapes and sizes.			
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7.2.21	The head harness shall be designed for easy removal from the facepiece to assist with cleaning and serviceability.			
7.2.22	The head harness is a component of the facepiece assembly and shall have five points of suspension connection, four of which shall be adjustable, made in the fashion of a net hood to minimize interference between securing of the facepiece and the wearing of head protection.			

		Meets Specifications		
		Yes	No	Exception
7.3 Mask-Mounted Regulator				
7.3.1	The mask-mounted regulator shall be available in a continuous hose configuration, with an optional inline quick disconnect coupling.			
7.3.2	The mask-mounted regulator shall maintain positive pressure during flows of up to 500 standard liters per minute.			
7.3.3	The optional quick disconnect coupling shall be easily connected and disconnected by trained individuals with a gloved hand and in limited visibility conditions.			
7.3.4	The optional quick disconnect coupling shall be guarded against inadvertent disconnect during use of the equipment.			
7.3.5	The low-pressure hose shall be equipped with a swivel attachment at the mask-mounted regulator.			
7.3.6	The mask-mounted regulator shall connect to the facepiece by way of a quarter (1/4) turn rotation in a single direction.			
7.3.7	An audible click shall provide notification that the mask-mounted regulator is securely attached to the facepiece.			
7.3.8	The mask-mounted regulator shall be equipped with a gasket to provide a seal against the mating surface of the facepiece.			
7.3.9	The mask-mounted regulator shall reactivate and supply air only in the positive pressure mode when the wearer affects a face seal and inhales.			
7.3.10	The mask-mounted regulator shall have a demand valve to deliver air to the user, activated by a diaphragm responsive to respiration.			
7.3.11	The diaphragm shall include an integrated exhalation valve.			

7.3.12	The mask-mounted regulator shall include a purge valve for use as an emergency bypass.			
7.3.13	The mask-mounted 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.			
7.3.14	The mask-mounted regulator shall incorporate a Heads-Up Display (HUD) to provide visual alerts to the SCBA user of air status and critical alarm conditions.			
7.3.15	The mask-mounted regulator shall incorporate status lights to assist with remote identification of a user's SCBA air remaining.			
7.3.16	The mask-mounted regulator shall incorporate a latch mechanism to enable removal from the facepiece.			

		Meets Specifications		
7.4 Heads-Up Display (HUD)		Yes	No	Exception
7.4.1	The HUD shall be recessed into the mask-mounted regulator body to help improve downward visibility through the facepiece.			
7.4.2	The HUD shall provide visual alerts to the SCBA wearer for electronic personnel accountability report, evacuation, and system integrity alarm.			
7.4.3	HUD system shall be immune to radio frequency interference (RFI) and must function properly in close proximity to fire service hand-held radios.			
7.4.4	The HUD shall serve as the secondary EOSTI.			
7.4.5	The HUD shall be powered by the SCBA's single power supply.			
7.4.6	The HUD shall have a low battery indication that is distinct and distinguishable from the cylinder pressure indications.			
7.4.7	HUD shall be mounted in the user's field of vision on the positive pressure mask-mounted regulator.			
7.4.8	HUD shall display cylinder pressure in increments of 100%, 75%, 50% and 35%.			
7.4.9	The display shall not have a numerical representation of cylinder pressure.			
7.4.10	At 35%-cylinder pressure, one "red" LED shall be illuminated and flash at a rate to exceed ten (10x) times per second.			

Meets Specifications

7.5 Universal Air Connection (UAC)	Yes	No	Exception
System shall be capable of:			
7.5.1 Refill within Immediately Dangerous to Life or Health (IDLH) atmospheres.			
7.5.2 The shoulder harness shall accommodate two distinct positions for a chest strap attachment. Rapid Intervention Crew / Universal Air Connection (RIC/UAC)			
7.5.3 The SCBA shall incorporate a RIC/UAC fitting to be compliant with the 2018 Edition of the NFPA 1981 Self-Contained Breathing Apparatus standard.			
7.5.4 The RIC/UAC shall be an integral part of the pressure reducer and protected by the back frame.			
7.5.5 The RIC/UAC inlet connection shall be within 4" (4-inches) of the tip of the CGA threads of the cylinder valve.			
7.5.6 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.			
7.5.7 The RIC/UAC shall have a check valve to prevent the loss of air when the high-pressure air source has been disconnected.			

7.6 Cylinder and Valve Assembly	Meets Specifications		
	Yes	No	Exception
7.6.1 The cylinder valve shall be a "fail open" type, constructed of forged aluminum.			
7.6.2 There shall be no mandatory maintenance required on the cylinder valve.			
7.6.3 If the SCBA is equipped with a Compressed Gas Association (CGA) threaded cylinder connection, the cylinder valve outlet shall be a modification of the CGA standard threaded connection number 346 for breathing air for 2216 psig. and CGA 347 for 4500 and 5500 psig. systems.			
7.6.4 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.			
7.6.5	The SCBA shall maintain all NIOSH and NFPA standards with any of the types of cylinders listed as provided by the SCBA manufacturer.			

		Meets Specifications		
7.7 Cylinders		Yes	No	Exception
7.7.1	Cylinders with 4500 psig operating pressure must be available in 45, and 60-minute duration			
7.7.2	The cylinder shall be manufactured in accordance with Department of Transportation (DOT) specifications			
7.7.3	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.			
7.7.4	Delivered cylinders more than 90 days past their manufacture date will not be accepted.			
7.7.5	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.			
7.7.6	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).			
7.7.7	The cylinder shall be available in an approved 30-year life design as defined by the DOT Special Permit 14232.			
7.7.8	Each cylinder and valve assemble shall be equipped with a hanger bracket for positive locking attachment of the assembly to the back frame and to be cross utilized and compatible with the neighboring department on automatic aid calls.			

		Meets Specifications		
7.8 PASS w/ Firefighter Locator		Yes	No	Exception
7.8.1	The PASS Device shall be compliant to the NFPA 1982, 2018 Edition Standard on Personal Alert Safety Systems.			
7.8.2	Operation of this distress alarm shall be initiated with the opening of the valve of a charged SCBA cylinder.			
7.8.3	The system shall operate from a single power source containing			

	batteries. While proprietary batteries are not preferred, they must be identified in the specifications.			
7.8.4	The system shall feature a “hands-free” reset capability that may be activated by means of a slight movement of the SCBA when the system is in a pre-alarm mode.			
7.8.5	The system shall have a battery check function that provides an LED indication of battery status while the SCBA is not pressurized.			
7.8.6	When the PASS is manually activated, the locator system shall immediately emit a signal able to be received by a separate hand-held receiver.			
7.8.7	When the PASS is activated due to lack of motion, the locator system shall have a ten second delay prior to emitting a signal able to be received by a separate hand-held receiver.			
7.8.8	The locating system shall be programmable to provide identification information.			
7.8.9	When the PASS device goes into pre-alarm, the user shall be notified through a distinct light pattern in the HUD display located on the mask-mounted regulator.			

		Meets Specifications		
7.9 Back Frame and Harness Assembly		Yes	No	Exception
7.9.1	The harness assembly shall include a waist pad and shoulder pads constructed of an outer shell material and incorporating a closed-cell foam design to help minimize water absorption and be replaceable.			
7.9.2	The harness assembly shall have retro-reflective markings for better visibility within low light conditions.			
7.9.3	The harness assembly shall include a seat-belt type waist belt attachment.			
7.9.4	The harness assembly shall be removable from the back frame without the use of tools.			
7.9.5	Harness design shall have regulator keeper for storage that can be attached to the waist strap.			
7.9.6	The harness assembly shall be machine washable to help with exposure reduction.			
7.9.7	The harness assembly shall accommodate a waist belt extension.			
7.9.8	The waist pad shall be attached to the back frame such that movement			

by the wearer provides natural articulation. Articulation shall be accomplished without the use of mechanical devices.			
7.9.9 The shoulder harness shall be fitted with a Drag Rescue Loop (DRL) capable of being deployed in an emergency to drag a downed firefighter to safety.			
7.9.10 The DRL shall be sewn into the shoulder harness assembly and shall provide a horizontal pull strength of 1000 lbs.			
7.9.11 The DRL shall be stored in a manner to prevent accidental snag but maintain accessibility with gloved hands.			
7.9.12 The shoulder harness shall be attached to the back frame such that the harness presents itself for ease of donning.			
7.9.13 The harness assembly shall include box-stitched construction with no screws or bolts.			
7.9.14 The back frame shall be a solid, one-piece black powder-coated aluminum alloy frame that is contoured to follow the shape of the user's back			
7.9.15 The back frame shall include a shroud to streamline hose and wire management by minimizing exposure of the low-pressure hose and electronics molded cable.			
7.9.16 A lightweight, lumbar support style back frame and harness assembly shall be used to carry the cylinder and valve assembly and the pressure-reducing regulator assembly.			
7.9.17 The back frame shall include an over-the-center, adjustable fixture, double-locking latch assembly to secure 30, 45, 60, or 75-minute cylinders.			

7.10 BATTERIES	Meets Specifications		
	Yes	No	Exception
7.10.1 SCBA will be delivered with batteries to power all units to place into service.			
7.10.2 Batteries shall be boxed independently of the SCBA units and Facepieces to prevent corrosion and damage.			
7.10.3 Battery compartments shall allow for easy field replacement.			
7.10.4 Replacement batteries should be commercially available. While proprietary batteries are not			

preferred, they must be identified in the specifications.			
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7.11 Pressure Reducer with CGA Cylinder Connection	Meets Specifications		
	Yes	No	Exception
7.11.1 The pressure-reducing regulator shall be mounted at the waist on the back frame 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.			
7.11.2 In lieu of a manual bypass, 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.			
7.11.3 The back-up pressure-reducing valve shall also be the means of activating the low-pressure alarm devices in the facepiece mounted mask-mounted regulator.			
7.11.4 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.			
7.11.5 A press-to-test valve shall be included to allow functional testing of the back-up reducing valve.			
7.11.6 The pressure-reducing regulator shall have incorporated a resettable over-pressurization relief valve which shall prevent the attached low-pressure hose and mask-mounted regulator from being subjected to high pressure. End-of-Service Time Indicator (EOSTI)			
7.11.7 The SCBA shall have two end-of-service time indicators (EOSTI). One shall be both a tactile and audible alarm, and one shall be a Heads-Up Display (HUD).			
7.11.8 The primary EOSTI shall be the integral low-pressure alarm device that shall combine an audible alarm with simultaneous vibration of the facepiece.			
7.11.9 The primary EOSTI shall be located in the positive pressure mask-mounted regulator.			
7.11.10 This alarm device shall indicate either low cylinder pressure (35% +/- 2%) or a malfunction of the			

primary pressure-reducing valve (first stage regulator).			
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7.12 Console	Meets Specifications		
	Yes	No	Exception
7.12.1 The console shall be located on the user's right shoulder harness.			
7.12.2 The console shall contain an integral, edge-lit, mechanical pressure gauge that is automatically turned on by opening the cylinder valve.			
7.12.3 The console shall display to the user the following utilizing LED's and/or icons: - Pre-Alarm - Full Alarm - Low Battery - Normal System Operation			
7.12.4 The console shall contain a photo sensing diode that automatically adjusts the brightness of the HUD as the ambient lighting conditions change.			
7.12.5 The console shall contain push buttons for user interface and shall be designed to minimize accidental activation			
7.12.6 The console shall be equipped with a LED "External HUD" allowing others to determine the user's cylinder pressure through the same color-code scheme as the HUD display on the mask-mounted regulator.			
7.12.7 A color-coded push button shall permit system reset and a color-coded push button shall permit manual activation of the full alarm mode.			
7.12.8 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.			

7.13 Sensor Module	Meets Specifications		
	Yes	No	Exception
7.13.1 The system shall include a sensor module mounted to the SCBA back frame and located in an area between the cylinder and back frame			

	in a manner designed to protect the assembly from damage.			
7.13.2	The sensor module shall contain redundant, dual sound emitters for the audible alarm and dual visual "buddy" indicator lights.			
7.13.3	The sensor module sound emitters shall broadcast a unique alarm tone for the following conditions: - Pre-alarm PASS - Full-alarm PASS - Low battery			
7.13.4	The visual indicators on the back frame sensor module shall flash: - green during normal operation - red when in pre-alarm or full alarm - orange when scba is at ½ cylinder pressure - combination of red, green, and white when the SCBA has reached 35% of the rated cylinder pressure			
7.13.5	The sensor module shall have a Bluetooth chipset integral to the unit to provide wireless connectivity to external devices.			

		Meets Specifications		
		Yes	No	Exception
7.14 Universal Emergency Breathing Safety System (UEBSS)				
7.14.1	The Universal Emergency Breathing Safety System (UEBSS) shall be approved to NIOSH 42CFR, Part 84 and NFPA 1981, 2018 Edition.			
7.14.2	The UEBSS shall have one of each of the following requirements; (1) a manifold with one each of a Rectus socket and Rectus 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 socket and plug.			
7.14.3	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.			
7.14.4	The manifold shall be made of aluminum and anodized and shall have a double action to disengage, noted as a "push-in/pull-back".			
7.14.5	The hose shall be made of high temperature rubber capable of sustaining a maximum 250 psig of pressure.			
7.14.6	The containment system shall include a pouch and shall be made of heat and abrasion resistance material and shall be capable of storing 36" of hose.			
7.14.7	The pouch shall have a pull-strap to assist with opening of the flap and			

gaining access to the hose and manifold assembly.			
7.14.8 The pouch shall be marked "UEBSS" and be constructed of reflective material.			
7.14.9 The pouch shall be attached to the SCBA by snap fasteners and be removable from the back frame without the use of tools.			
7.14.10 The UEBSS shall have provision for connection of a supplied airline for extended duration use while reserving the cylinder supply for egress.			
7.14.11 The UEBSS shall connect to a supplied airline using an extended duration airline adapter and shall have a plug on one end to connect to the UEBSS and a socket on the other end to connect to a supplied airline.			
7.14.12 The extended duration airline adapter shall be able to accommodate Hansen, Foster, Hansen HK, or Schrader.			

8. OPTIONS

The Lafayette Township Fire Department has identified the following options that it will consider in addition to the minimum specifications. Additional options will be considered given they fall within the available budget for the project.

8.1 Option A	Meets Specifications		
	Yes	No	Exception
8.1.1 Spectacle kits for facepieces			

8.2 Option B Emergency Air Supply System (RIT Pack) shall consist of the following components	Meets Specifications		
	Yes	No	Exception
8.2.1 Carrying bag			
8.2.2 External pressure gauge			
8.2.3 An audible low-pressure alarm			
8.2.4 A Universal Air Connection (UAC) high-pressure emergency airline that will function with any manufacturers NFPA 1981, 2002 compliant or newer SCBA.			
8.2.5 A low-pressure airline hose assembly with a low-pressure manifold that has a male and female quick disconnect and additional ports to allow the use of other SCBA manufacturer's low-pressure fittings.			
8.2.6 4500 psig, 60-minute rated, Carbon-Wrapped cylinder for RIT Pack			

9. TRAINING, FIT TESTING AND FLOW TEST

- 9.1 The successful bidder shall provide, at no cost to the department, a Field Level Maintenance Specialist training class for up to 2 members of the department. A description of how this training will be performed shall be included in the proposal.
- 9.2 The successful bidder will submit a plan for training all department personnel how to use the SCBA. The training program shall also include a deliverable Power Point or similar format for use with training future firefighters.
- 9.3 The successful bidder shall provide initial fit testing for all members of the regional fire departments. The fit testing shall comply with quantitative fit testing protocol per OSHA 1910.134 Appendix A Part I.c.3 (CNC PortaCount protocol). Fit testing shall include proper fit for each user with all sizes of facepieces and nose cups being utilized to insure an adequate fit test is achieved. A computer-generated report shall be provided to the department. The report shall include the information specified in OSHA 1910.134(m) records.
- 9.4 The successful bidder, before delivering the SCBA to the department, shall conduct a function test on each SCBA. This shall be a complete function test as required by CFR 29 1910.134. This is to ensure that the SCBA are in complete operating order when delivered. Upon delivery, a copy of the computer-generated report shall be provided with each unit to verify the units are in optimum functioning condition. A sample copy of the report shall be included with each bid proposal.

10. BIDDER REQUIREMENTS

- 10.1 The successful bidder shall work with the Lafayette Township Fire Department to ensure the equipment purchased, all supporting paperwork and all documentation meets the requirements of the Assistance to Firefighter's Grant program. The proposal **MUST** include a statement of work, signed by the bidder, stating their agreement with this requirement.
- 10.2 The bidder shall be an authorized sales and service center for the product bid. Written documentation must be provided from the manufacturer as proof. The successful bidder shall have a stationary repair facility and be capable of mobile repair service.
- 10.3 The bidder shall prepare the equipment for operation including, but not limited to, the installation of batteries, attachment of brackets, filling of cylinders, and programming of devices as necessary.
- 10.4 The successful bid shall contain a complete description of how warranty and/or service work will be accomplished to include:
 - Photographs showing the bidder's SCBA repair capabilities
 - Dedicated SCBA repair vehicle
 - Copies of service technician's certificates for all equipment regarding SCBA repairs.

11. EQUIPMENT REQUIREMENTS

- 11.1 The bid shall include certification documents that the SCBA and related products provided in the bid meet current NIOSH and NFPA standards. In order to be considered for purchase the equipment that the bidder is providing pricing for must have existing NIOSH and NFPA approvals and documentation of those approvals must accompany bid documents or the bid for that equipment will be considered invalid. All components bid will be NIOSH and NFPA approved to the current standard and able to ship within 105 days at the time of the bid awarding. **NO EXCEPTIONS.**
- 11.2 Preference will be given to manufacturers whose SCBA meets the federal "MADE IN USA" standard. The bidder shall provide a statement from the manufacturer that the equipment being bid meets the "MADE IN USA" standard as defined by the federal government of the United States of America. Manufacturers indicating that they comply with this standard but do not will be grounds for disqualification of the bid.

- 11.3 The bid shall include all delivery and/or freight costs.
- 11.4 Failure to include any of this requested information is grounds to have bid disqualified.
- 11.5 The bidder shall provide 100% of all SCBA, face pieces and additional ordered components in the same delivery.
- 11.6 The bidder **SHALL** provide a detailed trade-in allowance for existing SCBA units the department wish to receive trade-in credit for and will be provided when requested from vendor as part of the bid process. (Please contact Chief Jeremy Klein)

**LAFAYETTE TOWNSHIP FIRE DEPARTMENT
REQUEST FOR BIDS FOR
SELF-CONTAINED BREATHING APPARATUS**

I, _____, as an authorized signer for my company hereby certify that the figures contained in this Bid Proposal are accurate and correct. I also have read and understand the specifications for the Lafayette Township Fire Department, Floyds Knobs, Indiana, Self-Contained Breathing Apparatus and submit this Bid Proposal for consideration.

Signed _____

Print Name _____

Title _____

Company _____

Mailing Address _____

Company Phone _____

Representative Cell Phone _____

Representative Email _____

Date _____