



**City of Warwick**  
Purchasing Division  
(Mailing Address)  
3275 Post Road  
Warwick, Rhode Island 02886  
Tel (401) 738-2013  
Fax (401) 737-2364

The following notice is to appear on the City of Warwick's website Monday, January 29, 2024. The website address is <http://www.warwickri.gov/bids>.

**CITY OF WARWICK  
BIDS REQUESTED FOR**

**Bid2024-371 Scott Air-Pak X3 Pro & Related Equipment**

**Specifications**

Specifications are available in the Purchasing Division, Warwick City Hall, Monday through Friday, 8:30 AM until 4:30 PM on or after Monday, January 29, 2024. If you received this document from our homepage or from a source other than the City of Warwick Purchasing Division, please check with our office prior to submitting your bid to ensure that you have a complete package. The Purchasing Division cannot be responsible to provide addenda if we do not have you on record as a plan holder.

**Submissions**

All bids should be submitted with one (1) original and two (2) copies in a sealed envelope (total of three (3) copies), which should read: **YOUR COMPANY NAME** plainly marked on the exterior of the envelope as well as **"Bid2024-371 Scott Air-Pak X3 Pro & Related Equipment"** No bids will be accepted via Facsimile or email. All bids must be sealed. Sealed bids will be received by the Purchasing Division no later than **11:00 AM, Monday, February 12, 2024**. The bids will be opened publicly commencing at 11:00 AM on the same day at 65 Centerville Road, Meeting Room 2.

**Delivery**

If delivering in person or sent by delivery service (FedEx/UPS/DHL etc.) use physical address 65 Centerville Road, Warwick, RI 02886, Suite D. If sent via United States Postal Service use mailing address 3275 Post Road Warwick, Rhode Island 02886.

**Awards**

Awards will be made on the basis of the lowest evaluated or responsive bid price.

## **Questions**

Please direct questions related to the bidding process, how to fill out forms, and how to submit a bid (Pages 1-8) to the Purchasing Division.

- Email: [Bids@warwickri.gov](mailto:Bids@warwickri.gov)
- Phone: 401-738-2013

Please direct all questions related to the specifications outlined (beginning on page 9) to the issuing department's subject matter expert:

- Name: Jason Umbenhauer
- Title: Assistant Chief
- Phone: 401-468-4044
- Email: Jason.Umbenhauer@warwickri.gov

Individuals requesting interpreter services for the hearing impaired must notify the Purchasing Division at 401-738-2013 at least 48 hours in advance of the bid opening date.

## **Original Signature on file**

Francis M. Gomez

Purchasing Agent

**PLEASE COMPLETE THIS PAGE & SUBMIT WITH YOUR BID**

**Acknowledgement of Addendum (if applicable)**

<b>Addendum Number</b>	<b>Signature of Bidder</b>
_____	_____
_____	_____

COMPANY NAME: \_\_\_\_\_

COMPANY ADDRESS: \_\_\_\_\_

COMPANY ADDRESS: \_\_\_\_\_

BIDDER'S SIGNATURE: \_\_\_\_\_

BIDDER'S NAME (PRINT): \_\_\_\_\_

TITLE: \_\_\_\_\_ TEL. NO.: \_\_\_\_\_

EMAIL ADDRESS: \_\_\_\_\_\*

\*Please include your email address. Future bids will be emailed, unless otherwise noted.

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**II. AWARD AND CONTRACT:**

The CITY OF WARWICK, acting as duly authorized through its Purchasing Agent/Finance Director/Mayor, accepts the above bid and hereby enters into a contract with the above party to pay the bid price upon completion of the project or receipt of the goods unless another payment schedule is contained in the specifications. All terms of the specifications, both substantive and procedural, are made terms of this contract.

DATE: \_\_\_\_\_  
Bid2024-371 Purchasing Agent

**PLEASE COMPLETE THIS PAGE & SUBMIT WITH YOUR BID**

**CERTIFICATION & WARRANT FORM\***

**This form must be completed and submitted with sealed bid.  
Failure to do so will result in automatic rejection.**

Any and all bids shall contain a certification and warrant that they comply with all relevant and pertinent statues, laws, ordinances and regulations, in particular, but not limited to Chapter 16- Conflicts of Interest, of the Code of Ordinances of the City of Warwick. Any proven violation of this warranty and representation by a bidder at the time of the bid or during the course of the contract, included, but not limited to negligent acts, either directly or indirectly through agents and/or sub-contractors, shall render the bidder's contract terminated and the bidder shall be required to reimburse the City for any and all costs incurred by the City, including reasonable attorney fees, to prosecute and/or enforce this provision.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Company Name

\_\_\_\_\_  
Address

\_\_\_\_\_  
Address

**\*This form cannot be altered\***

**CITY OF WARWICK  
NOTICE TO BIDDERS**

**Bid2024-371 Scott Air-Pak X3 Pro & Related Equipment**

The IRS Form W-9 is available on [www.warwickri.gov](http://www.warwickri.gov) should be completed and submitted with the bid if the bidder falls under IRS requirements to file this form.

All bids should be written in ink or typed. If there is a correction with whiteout, the bidder should initial the change.

Any deviation from the specifications must be noted in writing and attached as part of the bid proposal. The bidder should indicate the item or part with the deviation and indicate how the bid will deviate from specifications.

Bids received prior to the time of the opening will be securely kept, unopened. No responsibility will be attached to an officer or person for the premature opening of a bid not properly addressed and identified.

The opening of bids will be in the order established by the posted agenda and the agenda will continue uninterrupted until completion.

Once an item has been reached and any bids on that item has been opened, no other bids on that item will be accepted and any such bid will be deemed late.

Negligence on the part of the bidder in preparing the proposal confers no rights for the withdrawal of the proposal after it is open.

The contractor will not discriminate against any employee or applicant for employment because of physical or mental handicap for any position for which the employee or applicant is qualified and that in the event of non-compliance the City may declare the contractor in breach and take any necessary legal recourse including termination or cancellation of the contract.

A bidder filing a bid thereby certifies that no officer, agent, or employee of the City has a pecuniary interest in the bid or has participated in contract negotiations on the part of the City, that the bid is made in good faith without fraud, collusion, or connection of any kind with any other bidder for the same call for bids, and that the bidder is competing solely in his own behalf without connection with, or obligation to, any undisclosed person or firm.

All proposals submitted become the property of the City and will not be returned. If the company intends to submit **confidential or proprietary information** as part of the proposal, **any limits on the use or distribution of that material should be clearly delineated in writing. This information should be submitted in a sealed envelope, clearly labeled confidential** and where it should be submitted in the response. Please be advised of the Freedom of Information Act as it may pertain to your submittal.

The contractor must carry sufficient liability insurance and agree to indemnify the City against all claims of any nature, which might arise as a result of his operations or conduct of work.

Failure to provide adequate insurance coverage within the specified duration of time as set forth is a material breach of contract and grounds for termination of the contract.

For a bid to be awarded to a corporation, limited liability company or other legal entity, prior to commencing work under the awarded bid, that corporation, company or legal entity may be required to provide to the Purchasing Agent a **Certificate of Good Standing** dated no more than thirty (30) days prior to the date upon which the bid approval was made.

If required, the successful bidder will provide **Certificate of Good Standing** within ten (10) calendar days after notification or the City reserves the right to rescind said award.

**Prices to be held firm six (6) months from date of award.** Term contracts may be extended for one (1) additional term upon mutual agreement unless otherwise stated.

The City is exempt from the payment of the Rhode Island Sales Tax under the 1956 General Laws of the State of Rhode Island, 44-18-30, Paragraph I, as amended.

The Purchasing Agent reserves the right to reject any and all bids, to waive any minor deviations or informalities in the bids received, and to accept the bid deemed most favorable to the interest of the City.

The City reserves the right to terminate the contract or any part of the contract in the best interests of the City, upon 30-day notice to the contractor. The City will incur no liability for materials or services not yet ordered if it terminates in the best interests of the City. If the City terminates in the interests of the City after an order for materials or services has been placed, the contractor will be entitled to compensation upon submission of invoices and proper proof of claim, in that proportion which its services and products were satisfactorily rendered or provided, as well as expenses necessarily incurred in the performance of work up to time of termination.

No extra charges for delivery, handling or other services will be honored. All claims for damage in transit will be the responsibility of the successful bidder. Deliveries must be made during normal working hours unless otherwise agreed upon.

All costs directly or indirectly related to the preparation of a response to this solicitation, or any presentation or communication to supplement and/or clarify any response to this solicitation which may be required or requested by the City of Warwick will be the sole responsibility of and will be borne by the respondent.

If the respondent is awarded a contract in accordance with this solicitation and fails or refuses to satisfy fully all of the respondents obligations thereunder, the City of Warwick will be entitled to recover from the respondent any losses, damages or costs incurred by the City as a result of such failure or refusal.

The City reserves the right to award in part or full and to increase or decrease quantities in the best interest of the City.

Any quantity reference in the bid specifications are estimates only, and do not represent a commitment on the part of the City of Warwick to any level of billing activity. It is understood and agreed that the agreement will cover the actual quantities ordered during the contract period.

The City reserves the right to rescind award for non-compliance to bid specifications.

The successful bidder must adhere to all City, State and Federal Laws, where applicable.

**PLEASE COMPLETE THIS PAGE AND SUBMIT WITH YOUR BID**

**PRICING MAY NOT BE CONFIDENTIAL**

**CITY OF WARWICK**

**BID AND CONTRACT FORM**

**TITLE OF SPECIFICATION: Bid2024-371 Scott Air-Pak X3 Pro and Related Equipment**

I. BID:

WHEREAS, the CITY OF WARWICK has duly asked for bids for performance of services and/or supply of goods in accordance with the above-indicated specifications.

The person or entity does irrevocably offer to perform the services and/or furnish the goods in accordance with the specifications, which are hereby incorporated by reference in exchange for the bid price.

This offer will remain open and irrevocable until the CITY OF WARWICK has accepted this bid or another bid on the specifications or abandoned the project.

The bidder agrees that acceptance by the CITY OF WARWICK will transform the bid into a contract. This bid and contract will be secured by Bonds, if required by the specifications.



**Warwick Fire Department**  
**Request for Bids**

**Scott Air-Pak X3 Pro and Related Equipment**

The City of Warwick Fire Department is seeking bids for the purchase of Scott Air-Pak X3 Pro Self-Contained Breathing Apparatus (SCBA) compliant with NFPA 1981, 2019 edition, and related equipment.

The bid price will remain in effect for a period of six (6) months from the date of the award. All prices are to include shipping and handling charges. Equipment is to be shipped to Warwick Fire Department, 111 Veterans Memorial Drive, Warwick, RI 02886. All orders will be placed on an as needed basis throughout the contract period.

The following is a description of the self-contained breathing apparatus and the major subassemblies

**\*\*\* No Exceptions to the listed equipment specifications will be accepted \*\*\***

**GENERAL REQUIREMENTS**

The purpose of this bid specification is to establish the minimum requirements for an open-circuit self-contained breathing apparatus (SCBA). The SCBA must 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 must 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 must maintain all NIOSH standards with any of the following types of cylinders listed as provided by the SCBA manufacturer.

**Regulatory Approvals**

The SCBA must be approved to NIOSH 42 CFR, Part 84 for chemical, biological, radiological and nuclear protection (CBRN). The SCBA must be compliant to the NFPA 1981, 2019 Edition, Standard on Open-Circuit Self-Contained Breathing Apparatus for Emergency Services. The SCBA must 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 must be compliant to the NFPA 1983, 2017 Edition, Standard on Life Safety Rope and Equipment for Emergency Services. All electronic components must be

approved for Intrinsic Safety under UL 913 Class I, Groups C and D, Class II, Groups E, F and G, Hazardous locations.

### **Facepiece**

The facepiece must 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 must 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 must fit persons of varying facial shapes and sizes with minimal visual interference. The full facepiece assembly must be available in three sizes marked “S” for small, “M” for Medium and “L” for large. The facepiece sizes must be easily identifiable through a color-coding scheme. The facepiece assembly, including head harness, must be latex free. The facepiece series must have a faceséal that is secured to the lens by a U-shaped channel frame that is retained to the lens using two fasteners. The faceséal must be a reverse reflex design for enhanced fit and comfort. The facepiece must contain inhalation valves that are readily visible to enable quick visual inspection. The lens must 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 must have a coating to resist abrasion and chemical attack and meet the requirements of NFPA-1981 for lens abrasion. The lens must have an internal anti-fog coating to reduce fogging of the lens. Multi-directional voicemitters must be mounted on both sides of the facepiece and ducted directly to an integral silicone nose cup to enhance voice transmission. The facepiece assembly must 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 must enable the installation of communications bracket on either the right or left side. The head harness must 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 must be available in a five-strap and four-strap configuration. The head harness must be constructed of a para-aramid material for fire, first responder and CBRN applications. The head harness must include either a positioning strap or an integrated handle to assist with donning of the facepiece. Two flame resistant elastic straps, attached to the faceséal in four locations, must provide adjustment for proper face sealing.

### **Mask-Mounted Regulator**

The facepiece-mounted positive pressure-breathing regulator must 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 must maintain positive pressure during flows of up to 500 standard liters per minute. The breathing regulator must also meet or exceed a dynamic flow requirement of remaining positive while supplying a minute volume of 160 liters. The breathing regulator must have attached a low pressure hose which must 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 must 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 must be easily connected and disconnected by trained individuals with a gloved hand and/or in low light conditions. The

optional quick connect coupling must not allow the air hose to be connected without the HUD Connection. The optional coupling must also be guarded against inadvertent disconnect during use of the equipment. The low-pressure hose must be equipped with a swivel attachment at the facepiece mounted breathing regulator. The breathing regulator must connect to the facepiece by way of a quarter (1/4) turn coupling. The user must hear an audible sound when the breathing regulator is attached correctly to the facepiece. The breathing regulator must be equipped with a doughnut-shaped gasket which provides a seal against the mating surface of the facepiece. The breathing regulator cover must be fabricated of a flame resistant, high impact plastic. The breathing regulator must have a demand valve to deliver air to the user, activated by a diaphragm responsive to respiration. The demand valve must use an extended temperature range dynamic O-ring seal composed of a fluorosilicone elastomer. The diaphragm must include the system exhalation valve and must be constructed from a high strength butyl elastomer. A purge valve must be situated at the inlet of the breathing regulator and must be capable of delivering airflow of between 125 and 225 standard liters per minute. The breathing regulator must 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 must be constructed of materials that are not vulnerable to corrosion. The flame resistant cover must contain an air saver switch and pressure demand bias mechanism. The breathing regulator must reactivate and supply air only in the positive pressure mode when the wearer affects a face seal and inhales. This device must not affect the breathing flow through the system while in operation.

### **Pressure Reducer with CGA Cylinder Connection**

The pressure-reducing regulator must 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 bypass, the pressure-reducing regulator must 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 must also be the means of activating the low-pressure alarm devices in the facepiece-mounted breathing regulator. This warning must 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 must be included to allow functional testing of the back-up reducing valve. The pressure-reducing regulator must have extended temperature range dynamic O-ring seals composed of fluorosilicone elastomer. The pressure-reducing regulator must have incorporated a reseatable over-pressurization relief valve which must prevent the attached low pressure hose and facepiece-mounted breathing regulator from being subjected to high pressure.

### **End-of-Service Time Indicator (EOSTI)**

The SCBA must have two end-of-service time indicators (EOSTI). A tactile alarm and a Heads-Up Display (HUD). The primary EOSTI must be the integral low-pressure alarm device that must combine an audible alarm with simultaneous vibration of the facepiece. The primary EOSTI must be located in the facepiece-mounted positive pressure breathing regulator. This alarm device must indicate either low cylinder pressure (35% +/- 2%) or a malfunction of the primary pressure-reducing valve (first stage regulator). The HUD must serve as the secondary EOSTI. The HUD must be powered by the SCBA's single power supply. It must be mounted in the user's field of vision on the facepiece mounted positive pressure breathing regulator. It must display cylinder pressure in increments of 100%, 75%, 50% and 35%. The display must not have

a numerical representation of bottle pressure. At full cylinder pressure, two green Light Emitting Diodes (LED) must be illuminated. At three-quarter cylinder pressure, one green LED must be illuminated. At one-half cylinder pressure, one “yellow” LED must be illuminated and flash at a rate not to exceed one (1x) time per second. At one-third cylinder pressure, one “red” LED must be illuminated and flash at a rate not to exceed ten (10x) times per second. The HUD must have a low battery indication that is distinct and distinguishable from the bottle pressure indications.

### **Harness and Backframe Assembly**

A lightweight, lumbar support style backframe and harness assembly must be used to carry the cylinder and valve assembly and the pressure-reducing regulator assembly. The backframe must 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 must include a shroud to streamline hose and wire management by minimizing exposure of the low pressure hose and electronics molded cable. The backframe must include a mounting for the pressure reducing regulator located at the waist. The backframe must 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 must include a mounting area suitable for installation of a distress alarm integrated with the SCBA. The mounting area must permit installation of a distress alarm sensor module in an area between the pressure reducer and the backframe. The harness assembly must 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. The harness assembly must incorporate parachute-type, quick release buckles with an integrated bail to help secure the webbing. Optional spring (alligator) clips must also be available. The harness assembly must 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 must include a seat-belt type waist belt attachment. The harness assembly must include box-stitched construction with no screws or bolts. The harness assembly must be removable from the backframe without the use of tools. The harness assembly must be machine washable to help with exposure reduction. The harness assembly must accommodate a waist belt extension. The waist pad must be attached to the backframe such that movement by the wearer provides natural articulation. Articulation must be accomplished without the use of mechanical devices. The waist pad and belt must freely wrap around and conform to the wearers’ hips. The shoulder harness must 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) must be sewn into the shoulder harness assembly and must provide a horizontal pull strength of 1000 lbs. The Drag Rescue Loop (DRL) must be stored in a manner to prevent accidental snag, but maintain accessibility with gloved hands. The shoulder harness must be attached to the backframe such that the harness presents itself for ease of donning. The shoulder harness must include reflective material to enhance the visibility of the wearer in low-light conditions. The shoulder harness must accommodate two distinct positions for a chest strap attachment. The shoulder harness must accommodate a mounting clip for attachment of a handheld radio remote speaker microphone.

### **Rapid Intervention Crew / Universal Air Connection (RIC/UAC)**

The SCBA must incorporate a RIC/UAC fitting to be compliant with the 2019 edition of the NFPA 1981 Self-Contained Breathing Apparatus standard. The RIC/UAC must be an integral part of the pressure reducer and protected by the backframe. The RIC/UAC inlet connection must be within 4” (4-inches) of the tip of the CGA threads of the cylinder valve. The RIC/UAC

must 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 must be color-coded to identify pressure rating of the SCBA. The RIC/UAC must have a check valve to prevent the loss of air when the high-pressure air source has been disconnected.

### **Carbon -Wrapped Cylinder**

The cylinder threads must be straight with an O-ring or quad-ring gasket type seal. The cylinder valve must be a “fail open” type, constructed of forged aluminum and designed such that no stem packing or packing gland nuts are required. It must contain an upper and lower seat such that the pressure will seal the stem on the upperseat, thus preventing leakage past the stem. No adjustment must be necessary during the life of the valve. If the SCBA is equipped with a CGA cylinder connection, the cylinder valve outlet must 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 must 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 must 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 must 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 must have a check valve to prevent flow from the cylinder. If the SCBA is equipped with a Snap-Change Cylinder connection, the fill fitting must 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 must be retained to the cylinder valve. Each cylinder valve must 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 must have an RFID tag molded into the elastomeric bumper with a universal RFID marking embossment. The RFID tag must be capable of storing product specific information, including serial number, manufacture date, hydrostatic test date, pressure rating, life expectancy, and fill logs. The SCBA must maintain all NIOSH and NFPA standards with any of the following types of cylinders listed as provided by the SCBA manufacturer. The cylinder must be manufactured in accordance with DOT specifications and meet the Transport Canada requirements with working pressures of 2216, 4500, or 5500 psig. The cylinder must 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 must 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 must 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 must be available in an approved 30-year life design as defined by the DOT Special Permit 14232.

### **Warranty**

The unit must be covered by a warranty providing protection against defects in materials or workmanship. This warranty must be for a period of 10 years on the SCBA, except for the

pressure reducer, which must be covered for 15 years. This warranty must not have any exclusions other than consumables and carrying cases. This warranty must not require a registration in order to activate. This warranty must not be contingent upon completing mandatory overhaul or recommended preventative maintenance.

### **Personal Alert Safety System with Firefighter Locator**

The PASS Device must be compliant to the NFPA 1982, 2018 Edition Standard on Personal Alert Safety Systems. Operation of this distress alarm must be initiated with the opening of the valve of an SCBA charged cylinder. The system must 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 must operate from a single power source-containing six “AA” batteries. The battery life of the SCBA with PASS only must be no less than 200 hours. The system must 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 must 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 must have a ten second delay prior to emitting a 2.4 GHz signal to be received by a separate hand-held receiver. The system must utilize a 2.4 GHz signal to provide the best path to a “downed” firefighter. The locating system must be programmable with eight alphanumeric characters to provide identification information. The PASS device must contain two components: a Console and a Sensor Module. When the PASS device goes into pre-alarm, the user must be notified through a distinct light pattern in the breathing regulator-mounted HUD display. The console must be located on the user’s right shoulder harness. The console must contain an integral edge lit mechanical pressure gauge that is automatically turned on by opening the cylinder valve. The console must 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 must contain a photo sensing diode that automatically adjusts the brightness of the HUD as the ambient lighting conditions change. The console must contain an integrated RFID tag. The console must contain push buttons for user interface. The push buttons must be designed to minimize accidental activation. A yellow color-coded push button must permit system re-set. A red color-coded push button must permit manual activation of the full alarm mode. The console must 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 must be illuminated across the gauge face to indicate a cylinder with greater than half cylinder pressure. A yellow LED must be illuminated across the gauge face to indicate a cylinder with less than half cylinder pressure. A red LED must be illuminated across the gauge face to indicate a cylinder with less than 35% cylinder pressure. The system must 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 must contain a motion sensor that is sensitive to user hip movement to reduce false activations. The sensor module must contain redundant, dual sound emitters for the audible alarm and dual visual “buddy” indicator lights. The sensor module sound emitters must be oriented in multidirections for optimal sound projection. The sensor module sound emitters must 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 must flash green during normal operation. The visual indicators must flash red when the device is in prealarm and full-alarm. The visual indicators must flash orange when the SCBA has reached one-half cylinder pressure. The visual indicators must flash a

combination of red, green, and white when the SCBA has reached 35% of the rated cylinder pressure. The sensor module must have a Bluetooth chip set integral to the unit to provide wireless connectivity to external devices.

### **Electronic Voice Communications**

The respirator must have an optional facepiece-mounted voice amplification device to electronically project the user's voice. The respirator must have an optional facepiece-mounted radio interface communication system that provides voice amplification and wireless communication with two-way radios. The respirator must have an optional facepiece-mounted radio direct interface communication system that provides voice amplification and wireless communication with two-way radios.

**PLEASE COMPLETE THIS PAGE & SUBMIT WITH YOUR BID**

**PRICING SHEET MAY NOT BE CONFIDENTIAL**

VENDOR NAME: \_\_\_\_\_

**Scott Air-Pak X3 Pro SCBA and Related Equipment**

**REQUIRED: All bids submitted must identify the bid items using the exact item numbers as specified on the pricing sheets.**

<b>ITEM #</b>	<b>Description</b>	<b>P/N</b>	<b>PRICE</b>
1	Scott Air-Pak X3 Pro 2018, 4500 psi, spring clips, Q/D hose, Pak Tracker	X8824025005303	
2	Scott AV-3000 HT Facepiece, 4 strap, size small	201215-21	
3	Scott AV-3000 HT Facepiece, 4 strap, size medium	201215-22	
4	Scott AV-3000 HT Facepiece, 4 strap, size large	201215-23	
5	Scott EPIC 3 voice amp bracket only, right side 2013 ed.	201210-01	
6	Scott EPIC 3 voice amplifier, no bracket	201275-01	
7	Scott EPIC 3 Radio Direct Interface voice amplifier, Bluetooth, no bracket	201276-11	
8	Scott 45 minute, 4500 psi, carbon wrapped cylinder and valve assembly	804722-01	
9	Scott 60 minute, 4500 psi, carbon wrapped cylinder and valve assembly	804723-01	
10	Scott 45 minute, 4500 psi, carbon wrapped cylinder only, no valve assembly	10009673	
11	Scott 60 minute, 4500 psi, carbon wrapped cylinder only, no valve assembly	10009672	
12	Prescription Lens Kit for AV-3000 with Sureseal Nosecup Mounted RX frame	805753-01	
13	Prescription Lens Kit for AV-3000 with Sureseal Mask Mounted 52mm RX lens kit	200372-52F	
14	Prescription Lens Kit for AV-3000 with Sureseal Mask Mounted 60mm RX lens kit	200372-60F	



15	Scott RIT-Pak III Emergency Air Supply System, complete with 6' EBSS hose x 5' RIC Hose, E-Z Flow quick connect regulator and modified AV-3000 Sureseal Face Piece	200954-02	
16	EPIC 3 voice amplifier battery door assembly	201079-01	
17	EPIC voice amplifier bayonet thumb latch locking lever	281081-01	
18	Nosecup assembly, Scott AV-3000 HT, red valves, size small	201126-02	
19	Nosecup assembly, Scott AV-3000 HT, red valves, size medium	201127-02	
20	Nosecup assembly, Scott AV-3000 HT, red valves, size large	201128-02	
21	Cylinder cap, 45 minute bottle, valve end	200688-S445	
22	Cylinder cap, 45 minute bottle, dome end	200688-D445	
23	Install kit for 4 sets of caps	200689-01	
24	Install kit for 20 sets of caps	200689-02	
25	Scott Field level maintenance class (class with 12 students total)		
26	Scott SKA-Pak AT, 4.5/15 minute, Kevlar harness, vibralert, Hansen, no case or facepiece	SAR424060431001	
27	Scott Spare 15 cylinder for SKA-Pak AT	200779-01	
28	Scott C240 Plus – CBRN Powered Air-Purifying Respirator for AV-3000 Facepiece. Includes blower, LiSO2 Battery, Decon Belt, 30" CBRN AV-PAPR Hose	200833-30	
29	Scott First Responder Respirator Adapter	200423-02	
30	Scott Black Fleece Facepiece Mask Bag	805534-01	

**TRADE-IN ALLOWANCE/CREDIT**

**If the vendor has a “Trade-In” Program, please list the value of a “Trade-In Allowance/Credit” for the following Scott Air-Paks associated with the purchase of Item #1 above (Scott Air-Pak X3 Pro 2018, 4500 psi, spring clips, Q/D hose, Pak Tracker). If there is no allowance (credit), enter \$0.00 under the Allowance/Credit column. Allowance/Credit is based on a one-to-one purchase to credit basis.**

<b>Item</b>	<b>Description</b>	<b>Allowance/Credit</b>
A	Scott Air-Pak 75	
B	Scott Air-Pak 50	
C	Scott Wire Frame	