



205 S. Main Street • Urbana, Ohio 43078 • <http://www.urbanaohio.com> • 937-652-4305

Invitation for Bid
City of Urbana, Ohio
SCBA-Urbana Fire Division

Release Date: Monday, January 27, 2014

Your sealed written bid is requested for: Multiple self-contained breathing apparatus (SCBA) and related equipment for the Urbana Fire Division.

Note: This procurement is to be funded in part with federal funds through the FY12 Assistance to Firefighters Grant (AFG) through FEMA. All bidders shall be called to specific federal conditions of this purchasing process as outlined in these bidding documents.

Bids shall be received in the City of Urbana Finance Office, 205 South Main Street, Urbana, OH 43078 via delivery or mail no later than: 1:00PM Tuesday, February 18, 2014. Postmarks shall not be accepted.

Envelopes shall be plainly marked: SCBA-Urbana Fire Division

Submit one (1) signed original bid.

Contact Doug Crabill by written correspondence or via email (doug.crabill@ci.urbana.oh.us) with any questions about these bidding documents or specifications no later than 5:00PM on 2-10-2014. All bidders shall submit questions to this contact person only. Any questions requiring the expertise of the Urbana Fire Division will be sent by this contact person to the appropriate member of the Urbana Fire Division for a response. All responses, answers, or changes will be distributed to any known potential bidders and posted on our website at www.urbanaohio.com. All bidders shall be responsible for checking this site for any additional information.

General Bid Provisions

- 1) Bidder is encouraged to use the City's bid form that is enclosed, as none other will be accepted.
- 2) The bid response shall be legible and shall be given in the spaces provided.
- 3) A copy of the bid tabulation may be obtained on the city's website at www.urbanaohio.com.
- 4) All federal, state, and local laws regarding competitive bidding, anti-competitive practices, and conflict of interest shall be applicable to this Invitation for Bid.
- 5) Bids are to include all shipping costs to the point of delivery as indicated above.
- 6) The City of Urbana is exempt from payment of federal excise taxes and state retail sales taxes (Federal Tax Exemption Registry Number is 34-640-1492-W).
- 7) State Manufacturer and Model No. of items you are bidding and send descriptive literature with your bid. Any exceptions to the specifications shall be noted accordingly.
- 8) All bid forms included with this invitation for bid shall be completed and returned.

- 9) The City of Urbana reserves the right to reject any or all Bids, waive irregularities in any Bid, and to accept any Bid that is deemed by City to be in the best interest of the City.
- 10) The City of Urbana reserves the right to accept a part or parts of a bid unless otherwise restricted in the bid.

City of Urbana, Ohio BID

Bid Reply to Invitation to Bid: SCBA-Urbana Fire Division
Bid No Later Than: 1:00PM Tuesday, February 18, 2014

The City of Urbana is considering the purchase of multiple self-contained breathing apparatus and related equipment for the Urbana Fire Division. The specifications for the equipment that we are considering for purchase are listed below. A specific brand is not required, although it may be desired. We will consider all types even if a specific brand is inadvertently mentioned in the specifications. Your detailed specifications on each item must be included with your bid.

You may bid on any or all items. Please place "NB" for No Bid for any items that you are not apply to supply or provide a quotation for.

SCBA BID SPECIFICATIONS

General Self-Contained Breathing Apparatus Requirements

The purpose of these bid specifications 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); (8) cylinder and valve assembly for storing breathing air under pressure; and (9) a spare cylinder and valve for each air pak.

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 shall be detailed in a separate attachment. Failure to do so shall automatically disqualify the bidder.

The successful bidder shall be a sales distributor, authorized by the manufacturer, to sell the equipment specified herein. A signed document from the manufacturer confirming this fact shall 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.

Approvals

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, 2013 Edition, Standard on Open-Circuit Self-Contained Breathing Apparatus for Emergency Services. The SCBA shall be compliant to the NFPA 1982, 2013 Edition (if including optional PASS Device), Standard on Personal Alert Safety Systems. 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.

Required Components

Facepiece AV3000HT

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 face seal that is secured to the lens by a U-shaped channel frame that is retained to the lens using two fasteners. The face seal 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 Scott electronic communications options (amplification, radio interface, wireless, etc.) without affecting NIOSH approvals or NFPA/CBRN approvals where applicable. The facepiece shall enable the transmission of communications bracket on either the right or left side.

The head harness shall be 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, and be constructed of a para-aramid material for fire, first responder and CBRN applications.

Mask-Mounted Regulator

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 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. The low-pressure hose shall be equipped with a swivel attachment at the facepiece mounted regulator.

The regulator shall connect to the facepiece by way of a quarter (1/4) turn coupling. The user shall hear an audible sound when the regulator is attached correctly to the facepiece. The regulator shall be equipped with a doughnut-shaped gasket which provides a seal against the mating surface of the facepiece. The 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 175 standard liters per minute. The breathing regulator shall be arranged to direct the incoming air over the inner surface of the facepiece 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. It 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.

Pressure Reducer with CGA Cylinder Connection

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 bench 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.

Emergency Breathing Support System “Buddy Breathing”

The Optional Dual Emergency Breathing Support System (EBSS) shall be approved to NIOSH 42CFR, Part 84 and NFPA 1981, 2013 Edition. The Dual EBSS shall have one of each of the following requirements; (1) a manifold with one of each of a female socket and 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 Dual EBSS system shall be on the wearer’s left 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 check valve. 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 pull-the-dot fasteners.

End-of-Service Time Indicator (EOSTI)

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 Regulator. This alarm device shall indicate either low cylinder pressure (33% +5%, -0%) or primary first stage regulator failure.

The HUD shall serve as the secondary EOSTI indicator. 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 Regulator. It shall display cylinder pressure in increments of 100%, 75%, 50% and 33%. The display shall not have a numerical representation of bottle pressure. At full bottle pressure, two green Light Emitting Diodes (LED) shall be illuminated. At three-quarter bottle pressure, one green LED shall be illuminated. At one-half bottle pressure, one “yellow” LED shall be illuminated and flash at a rate not to exceed one (1x) time per second. At one-third

bottle 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.

Harness and Backframe Assembly

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 frame that is contoured to follow the shape of the user’s back. The backframe shall include a mounting for the pressure reducer. 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 harness assembly shall consist of a one size black para-aramid strap with a yellow stripe. This harness shall include box-stitched construction with no screws or bolts. The harness assembly shall incorporate parachute-type, quick-release buckles and shall include shoulder and hip pads. The harness shall include a seat-belt type waist attachment. The shoulder strap 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 shoulder strap shall be attached to the backplate by way of a single, articulating metal bracket.

The one-piece aluminum backframe should include integrated donning/carry handles. The handles shall allow the user to easily don the SCBA in the “over-head” style and also allow the user to carry the SCBA. The backframe shall include accommodation and mounting spaces suitable for installation of a distress alarm integrated with the SCBA. These mounting spaces shall permit installation of an alarm sensor module in an area between the cylinder hanger locking mechanism and the backframe.

Rapid Intervention Connection

The SCBA shall incorporate a RIC/UAC fitting to be compliant with the 2013 edition of the NFPA 1981 Self-Contained Breathing Apparatus standard. The RIC/UAC shall be an integral part of the high-pressure hose that attaches the cylinder valve to the first stage pressure reducer. 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 RIC/UAC shall have a check valve to prevent the loss of air when the high-pressure air source has been disconnected.

Cylinder

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 upperseat, 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 CGA 347 for 4500 system.

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. Each cylinder and valve assembly shall be equipped with a hanger bracket for positive locking attachment of the assembly to the backframe. 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 working pressures of 4500 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 be 45-minute duration based on the NIOSH breathing rate of 40 liters per minute (lpm).

Personal Alert Safety System with Firefighter Locator (Pak Tracker)

The PASS device shall be compliant to the NFPA 1982, 2013 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-alert mode. When the PASS device goes into pre-alarm, the user shall be notified through a distinct light pattern in the HUD display.

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 wirelessly programmable with eight alpha-numeric characters to provide identification information. The PASS system shall be upgradeable to include a 2.4 GHz integrated SCBA air/PASS telemetry management system.

Console

The console shall be located on the user’s right shoulder strap. 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 to dim and brighten the HUD as the environment changes. 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 reset. A red color-coded push button shall permit manual activation of the full alarm mode.

Sensor Module

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” indicators. The sensor module sound emitters shall be oriented in multi-directions for optimal sound projection. The visual indicators on the backframe mounted sensor module shall flash green during normal operation. The visual indicators shall flash red 1) when the device is in pre-alert; 2) when the device is in full-alert; and 3) when the SCBA has reached 1/3-bottle pressure.

Electronic Voice Amplifier

The respirator shall have an optional facepiece-mounted voice amplification device to electronically project the user’s voice. The voice amplification device shall be mounted to the facepiece by means of a bracket that is secured around the voice emitter of the facepiece. The device shall contain a bayonet-style mounting fixture that enables the user to insert the voice amplifier into the bracket and secure it with a quarter-turn counter-clockwise when it shall lock

into place. The device shall contain a thumb latch to permit removal when it is pressed and the device is rotated a quarter-turn clockwise. The thumb latch shall contain a captive screw that enables the user to prevent removal.

The device shall weigh no more than 7 ounces 225 (grams) and its size shall not exceed the following dimensions: Length: 3.50 inches; (8.89 cm); width: 2.0 inches (5.08 cm); depth (extension from voice emitter): 1.75 inches (4.44 cm). The device shall be able to be upgraded to a voice amplifier, radio interface, and stand alone radio communication system that all reside in a single housing with a single power source.

The device shall contain a momentary on/off switch with a tactile indication and audible click when depressed. The switch shall be covered with a sheath made of a silicone material. The device shall contain an LED which illuminates green when the device is activated and flashes once per second when a low battery condition (approximately 10% of battery life remaining) is present. The device shall provide audible tones to indicate that the system has been energized, de-energized and to provide a low battery indication. The device shall be powered by three AAA alkaline batteries, which shall provide no less than 50 hours of continuous operation with fully-charged batteries. The batteries shall be contained in a gasketed compartment secured in place by means of a fastener. The door of the battery compartment shall be user-replaceable.

The device shall contain an automatic shut down function that de-energizes the voice amplifier approximately 20 minutes after the last time the user speaks. Designed to conserve battery life when a user forgets to turn off the voice amplifier, the voice amplifier shall be reactivated after shut down by pressing the on/off switch.

The microphone shall be located on the surface of the bayonet mounting fixture and voice projection shall be facilitated by means of a circular gasket that seals the device to the communications mounting bracket. The amplifier shall contain a custom speaker designed for pushing sound through background noises commonly found at emergency events. The device shall not feedback for longer than 1 second when worn on a level A haz-mat suit.

The device shall be able to provide a minimum STI score of 0.65, even though NFPA minimum requirement is 0.60. The voice amplifier, when attached to a facepiece, shall be able to withstand a 30 minute tumble test. A single voice amplifier shall be able to withstand eight, 6 foot drops, once on each side and two edges. The voice amplifier shall be able to withstand a 30 minute tumble test not attached to the facepiece.

Warranty

The unit shall be covered by a warranty providing protection against defects in materials or workmanship. This warranty shall be for a period of Ten 10 years on the SCBA, except for the pressure reducer, which shall be covered for Fifteen 15 years. Electronic components shall be warranted for five (5) years.

Firefighter Locator:

Hand-Held Receiver

The hand-held device shall contain a receiver and be designed for firefighting applications such as search and rescue of a downed or trapped firefighter. The housing shall be red in color and constructed of a polymer material, suitable for use in high-heat environments and fire ground applications. The housing shall consist of a compartment enclosing the receiver. The head of the housing shall be integrated into an approximately 6-inch long ergonomically designed handle, designed to house a battery pack. The handle shall be designed for gloved-hand operation with an anti-slip grip. The base of the handle shall consist of a threaded and gasketed cover to permit user access to the battery compartment for the purpose of inserting or removing the battery pack. The base of the cover shall include a molded connection point for attachment of a neck/shoulder strap or similar device. The device shall have means to recharge the battery (NiMH) while installed in the hand-held receiver. The complete weight of the hand-held receiver, with battery pack installed, shall be 2.2 pounds (.997g). The overall dimensions of the hand-held device shall be 5 X 5 X 11.25 inches. (12.7 x 12.7 x 28.57 cm).

Display

The hand-held receiver shall include a large 2.38-inch (6.04 cm), two line x 16 digit LCD and two digit LED display. The display shall have an exterior protective cover that is hard coated and designed to reduce glare.

Controls and Icons

The hand-held receiver shall contain two gloved-hand accessible push-type control buttons to operate all functions. These functions shall include on/off, scrolling, and searching. All buttons shall be designed to prevent accidental shut-off. The hand-held receiver shall include an LCD to display integrated transmitters that are transmitting and which specific transmitter is being tracked, and an LED indicating signal strength of the transmitter being tracked. High intensity graphical bars incrementally illuminate when signal strength is greater than 50. Additional LED shall include a "Low Bat" alert, which shall alert the user to a low battery condition when approximately 20% of battery life remains.

Power Source and Battery Pack

The hand-held receiver shall be powered by a single rechargeable nickel-metal hydride battery pack. Use of nickelmetal hydride batteries shall provide approximately six hours of continuous operation.

Truck Charging System

The hand-held receiver shall be available with a truck charging system (TCS) suitable for mounting in a vertical position inside an apparatus or on a wall. The TCS shall be designed to securely retain the hand-held receiver when not in use and to recharge the battery inside the hand-held device handle. The TCS shall be supplied with connections for either a 110 VAC or 12 VDC power supply, and shall be capable of recharging a depleted battery pack in approximately two hours. The TCS shall be designed in such a way that a user with gloved hands may mount or dismount a hand-held receiver into the fixture. The TCS shall be capable of satisfying the NFPA Standard for Automotive Fire Apparatus specified in NFPA 1901, Current Edition. The system shall be capable of withstanding forces of 9-Gs (longitudinally) and 3-Gs (from other directions), while securely retaining the hand-held receiver.

Training Requirements

Successful bidder shall provide, at the bidder's own expense, a factory-trained instructor for such time as the department head shall require for complete instruction in the operation and maintenance of the Pak-Tracker Locator. Any exceptions to these specifications shall be detailed in a separate attachment, and failure to do so shall automatically disqualify the bidder. Successful bidder shall be a factory-authorized distributor to sell the equipment specified herein.

RIT III

Emergency Air-Supply System – General Requirements

The purpose of this bid specification is to establish the minimum requirements for an auxiliary air source to be used by Rapid Intervention Teams. The air source shall consist of the following components: (1) a carrying bag; (2) external pressure gauge; (3) an audible low-pressure alarm; (4) a Universal Air Connection high-pressure emergency airline that will function with any manufacturers NFPA 1981, 2002 compliant or newer self-contained breathing apparatus; (5) a low-pressure airline hose assembly with a low-pressure manifold that has a Scott style male and female quick disconnect and additional ports to allow the use of other SCBA manufacturer's low-pressure fittings; (6) a RIT Style face piece and (7) a pressure regulator.

Operational Requirements

Carrying Bag

1. The carrying bag material shall be a highly visible orange and resistant to heat and flame.
2. The carrying bag shall include reflective striping to increase visibility of the product in low-light conditions.
3. The carrying bag shall be equipped with ten (10) d-rings.
4. Located on the top of the carrying bag shall be a tool pouch.
5. Located on the top of the carrying bag shall be a rope pouch capable of holding 75 feet of 3/8" rope.
6. The length of the shoulder strap shall be adjustable.
7. The shoulder strap shall be equipped with two (2) seat belt buckles.
8. The shoulder strap shall be equipped with two (2) non-locking carabineers.
9. The carrying bag shall have three flap openings: (1) high-pressure access; (2) low-pressure access and (3) cylinder access.
10. The tab of the low-pressure access flap shall be differentiated from the tab of the high-pressure access flap through a tactile grip that can easily be detectable while wearing gloves.
11. The carrying bag shall be equipped with a highly-durable, low-friction skid plate.

External Pressure Gauge

1. The gauge face shall be luminescent for easier reading in low-light conditions.
2. The external pressure gauge shall be equipped with pressure indicator light emitting diodes (LED): (2) green LEDs when cylinder pressure is 100% to 76%; (1) green LED when cylinder pressure is 75% to 51%; (1) amber LED when cylinder pressure is 50% to 26%; and (1) blinking red LED when cylinder pressure is below 25%. An additional orange LED shall be included to indicate low battery alarm.
3. An LED shall be cast across the gauge face to increase readability in dark environments.
4. The external pressure gauge shall be powered by two (2) AA batteries.
5. The external pressure gauge shall be tethered to the carrying bag.

Audible Low-Pressure Alarm

1. The air-source shall include an audible low-pressure alarm that is pneumatically activated at 25% of cylinder pressure.

Universal Air Connection High-Pressure Emergency Airline

1. The Universal Air Connection (UAC) high-pressure emergency airline assembly shall be five (5) feet in length.
2. The UAC Adapter assembly shall have a highly visible stripe on the quick-charge coupling.
3. The quick-charge coupling on the UAC high-pressure emergency airline shall include a rubber protective cap to protect from debris and contaminants.

Low-Pressure Airline Hose Assembly

1. The low-pressure airline hose assembly shall consist of a pressure reducer, a six (6) foot airline hose, and a low-pressure manifold block.
2. The low-pressure manifold block shall include a male airline fitting, a female socket assembly and two (2) additional ports to enable the use of multiple manufacturers' low-pressure quick disconnect fittings.
3. The low-pressure airline hose shall be able to accommodate an air pressure of 250 psi.
4. The female socket shall be able to accommodate the "male" end of a low-pressure hose coming off the regulator that is attached to the respirator user's full face piece.
5. The low-pressure airline hose assembly shall be able to connect to the Scott Dual Emergency Breathing Support System (EBSS).

RIT Style Full Facepiece

1. The RIT Style shall be designed to increase the visibility of the wearer's face to the rescue team.
2. The face piece shall have a positioning tab on the head harness and large d-rings on the bottom head harness adjusting straps to ease donning of the face piece on a victim by the rescue team.

Pressure Regulator

1. The pressure regulator shall be able to connect to a RIT Style full face piece.
2. The pressure regulator shall include a three (3) foot low-pressure hose.
3. The pressure regulator shall be equipped with an emergency by-pass knob.

Carbon Bottle – 60 minute, 4500 psig with valve

BID FORM

SCBA-Urbana Fire Division

Item	Quantity (a)	Unit Cost (b)	Total Cost (a x b)
SCBA	32		
Dual EBSS	32		
45 Minute Cylinder	56		
60 Minute Cylinder	8		
Facepiece	32		
Voice Amplifier	23		
RIT Pack	3		
Hand Held Receiver for Pak Tracker	2		
Add Pak Tracker to Pak	32		
Pak Track Truck Charger	2		
Quantitative FIT Test	23		
IMMI Smart SCBA Brackets	10		

GRAND TOTAL

The undersigned hereby certifies that items furnished as a result of this bid will be in full accordance the City of Urbana specifications applying thereto unless exceptions are stated above. The City of Urbana reserves the right to reject any or all Bids, waive irregularities in any Bid, and to accept any Bid that is deemed by City to be in the best interest of the City. The City of Urbana reserves the right to accept a part or parts of a bid unless otherwise restricted in the bid.

All delivery costs are included in this bid quotation regardless of F.O.B. destination.

Prices shall remain firm for acceptance within 60 calendar days after bid opening unless otherwise stated.

Terms are Net 30 Days upon delivery.

Bidding Company: _____

Address: _____

City: _____ State: _____ Zip: _____

By: _____ (Name and Title, Corporate Officer of Corporation)

Signature: _____

Phone No.: _____ Fax No.: _____

Fed ID No.: _____

E-Mail Address: _____

City of Urbana
Standard Terms and Conditions

1. **BILLING:** All goods or services must be billed to the City of Urbana and at prices not exceeding those stated on the purchase order. If prices or terms do not agree with your quotation, you must notify the Finance Department within three business days or your disagreement is waived.
2. **INVOICE:** Prepayment or progress payments are not permitted unless prior authorization is obtained from the Finance Department. All invoices are to be mailed to the Finance Department and shall reference the City's purchase order number. Failure to include the purchase order number may prevent timely payment. Each purchase order must be invoiced separately. Unless specified otherwise, the invoice will only be paid upon completion of the order.
3. **CASH DISCOUNTS:** All cash discount terms will be effective from date of actual receipt and acceptance of the items purchased, or receipt of correct and acceptable invoice, whichever is later.
4. **FREIGHT: NO COLLECTION FREIGHT SHIPMENTS WILL BE ACCEPTED.** All quotations are solicited on a "delivered price" basis. When, in rare instances, the City accepts a quotation not including all shipping charges, your claim for reimbursement, must be itemized on the invoice and supported with a copy of the original freight bill.
5. **TAXES:** The City of Urbana is exempt from payment of Federal excise taxes and State retail sales taxes. Our Federal Excise Tax Exemption Certificate Number is 36-640-1492-W. You are responsible for all Social Security taxes and Workers' Compensation contributions for yourself or any of your employees.
6. **DELIVERIES:** All deliveries on this order must be in full accordance with specifications, properly identified with the purchase order number and must not exceed the quantities specified.
7. **CANCELLATION:** The City of Urbana reserves the right to cancel this order by written notice if you do not fulfill your contractual obligations with respect to timeliness, quality and/or any other reason.
8. **DEFAULT PROVISIONS:** In case of your default (defined as notified in writing by the City of Urbana you are in default and you have failed to cure the default within the time specified), the City of Urbana may procure the items from other sources and hold you responsible for any excess costs incurred thereby and any other damages permitted by law.
9. **NO VERBAL AGREEMENTS:** The City of Urbana will be bound only by the terms and conditions of this order, and will not be responsible for verbal agreements made by any officer or employee of the City of Urbana.
10. **PATENT AND COPYRIGHT INFRINGEMENT:** It is hereby understood (and by acceptance of this order) you agree to defend, indemnify and hold harmless the City of Urbana, Ohio, its officers, agents and employees from any and all loss, costs or expense on account of any claim, suit or judgment as a result of, caused by, or incident to any patent, copyright or trademark infringement and/or royalty, actual or claimed, because of the use or disposition by said City of any article enumerated on this order and sold to said City pursuant to this order.

11. **INSPECTION:** The City of Urbana may inspect the items ordered hereunder during their manufacture, construction and/or preparation at reasonable times and shall have the right to inspect such items at the time of their delivery and/or completion. Items furnished hereunder may at any time be rejected for defects revealed by inspection, analysis, or by manufacturing operations or use after delivery even though such items may have previously been inspected and accepted. Such rejected items may be returned to you for full refund to City of Urbana including shipping and transportation charges.
12. **WARRANTY:** You warrant that the items and their production or completion shall not violate any federal, state or local laws, regulations or orders. You warrant all items delivered hereunder to be free from defects of material or workmanship to be good quality, and to conform strictly to any specifications, drawings or samples which may have been specified or furnished by the City of Urbana, and you further warrant that you have good title to the items free and clear of all liens and encumbrances and will transfer such title to the City of Urbana. Said warranties shall not negate nor limit any implied warranties of merchantability or fitness. This warranty shall survive any inspection, delivery, acceptance or payment by the City of Urbana.
13. **RISK OF LOSS:** Title and risk of loss to and with respect to the items shall remain with you until the items in a complete state have been delivered to and accepted by the City of Urbana or to an agent or consignee duly designated by the City of Urbana at the location specified on the face hereof, items which are to be shipped shall be shipped F.O.B. destination unless otherwise specified by the City of Urbana. A packing slip must accompany each such shipment and if a shipment is to be a consignee or an agent of the City of Urbana, a copy of the packing slip shall be forwarded concurrently to the City of Urbana. If no such packing slip is sent, the count or weight by the City of Urbana or its agent or consignee is agreed to be final and binding on you with respect to such shipment.
14. **HOLD HARMLESS:** You shall indemnify and hold the City of Urbana, its agents, consignees, employees, and representatives harmless from and against all expenses, damages, claims, suit, or liabilities (including attorney's fees of the City of Urbana) of every kind whatsoever by reason of, arising out of, or in any way connected with, accidents, occurrences, injuries or losses to or any person or property which may occur before or after acceptance of the completed items by the City of Urbana upon or about in any way due to resulting from, in whole or in part, the preparation, manufacture, construction, completion, and/or delivery of the items, including such as are caused by your subcontractors and excluding only such as are caused by the negligence of the City of Urbana other than where the City of Urbana's negligence consists of its failure to discover a condition caused or permitted to exist by you or any subcontractor of yours.
15. **INSURANCE:** If requested by the City of Urbana, you shall maintain policies of liability insurance such types and such amounts and with such companies as may be designated by the City of Urbana, which policies shall be written so as to protect the City of Urbana and you from the risks enumerated in Section 14. Such policies of insurance shall not be cancelable except upon thirty (30) days written notice to the City of Urbana and proof of such insurance shall be furnished by you to the City of Urbana. In addition, such policies shall protect all your subcontractors. You agree to make prompt written report to the insurance company involved of all accidents, occurrences, injuries or losses which may occur and of any and all claims made against the persons insured under said policies of insurance and to send copies of such reports to the City of Urbana within twenty-four (24) hours of the time that you obtained knowledge of the occurrence thereof.
16. **SPECIFICATIONS CONFIDENTIAL:** Any specifications, drawings, notes, instructions, engineering notices or technical data referred to in this purchase order shall be deemed to be incorporated herein by reference the same as if fully set forth herein. The City of

Urbana shall at all times retain title to all such documents and you shall not disclose such to any party (other than the City of Urbana or a party duly authorized by the City of Urbana). Upon the City of Urbana's request or upon completion and delivery of the items purchased, you shall promptly return all such documents to the City of Urbana.

17. **EXAMINATION OF PREMISES:** If work is to be performed hereunder on the premises of the City of Urbana, you represent that you have examined the premises and any specifications or other documents furnished in connection with the items and that you have satisfied yourself as to the condition of the premises and site and agrees that no allowance shall be made in respect of any error as to such on your part.
18. **CLEANING OF PREMISES:** If work is to be performed hereunder on the premises of the City of Urbana, you shall at all times keep the premises free from accumulation of waste material or rubbish. At the completion of the items you shall leave the premises and the items broom-clean.
19. **EQUAL EMPLOYMENT OPPORTUNITY:**
 - (a) You agree that you will not discriminate against any employee or applicant for employment because of race, religion, color, sex, national origin, disability/handicap, age, military status, ancestry, or genetic information with respect to employment, upgrading promotion, or transfer, recruitment or recruitment advertising, lay-off determination; rates of pay or other forms of compensation; and selection for training, including apprenticeship.
 - (b) It is expressly agreed and understood by you that Section 19 (a) constitutes a material condition of this contract as fully as specifically rewritten herein, also that failure to comply therewith shall constitute a breach thereof entitling the City to terminate the contract at its option.
20. **AGREEMENT TO BE EXCLUSIVE:** This purchase order contains the entire agreement between the parties and supersedes all other oral agreements only when there is no executed contract between the parties. The parties acknowledge and agree that neither of them has made any representation with respect to the subject matter of this purchase order or any representation inducing the execution and delivery of this purchase order, except such representations as are specifically set forth here, and each party acknowledges that it has relied on these representations in connection with its dealings with the other.
21. **GOVERNING LAW:** This purchase order, the performance under it, and all suits and special proceedings under it shall be construed in accordance with the laws of the State of Ohio. In any action, special proceeding or other proceeding that may be brought arising out of, in connection with, or by reason of this agreement, the laws of the State of Ohio shall be applicable and shall govern to the exclusion of the laws of any other forum, without regard to the jurisdiction in which the action or special proceeding may be instituted.
22. **ADDITIONAL RIGHTS:** Any rights or remedies granted to the City of Urbana in any part of this purchase order shall not be exclusive of, but shall be in addition to, any other rights or remedies granted in another part of this purchase order and any other rights or remedies that the City of Urbana may have at law or in equity in any such instance. Any litigation arising from disputes herein shall be instituted only in Champaign County, Ohio.
23. **GOVERNING DOCUMENT:** Should there be any conflict between the terms of the executed contract and this purchase order, the terms of the contract govern.

24. INDEPENDENT CONTRACTOR: The contractor, his assigns, heirs, successors, employees and any and all subcontractors are independent contractors and are not agents and/or employees of the City of Urbana.

**Federal Terms and Conditions
FY12 Assistance to Firefighters Grant (AFG)-FEMA**

Lobbying

The bidder certifies that no Federal appropriated funds have been paid or will be paid by or on behalf of the bidder to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of congress, or an employee of a Member of Congress in connection with the making of any Federal grant, the entering into of any cooperative agreement and extension, continuation, renewal amendment or modification of any Federal grant or cooperative agreement.

The bidder certifies that if any other funds than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of congress, or an employee of a Member of Congress in connection with this Federal grant or cooperative agreement, the undersigned shall complete and submit Standard Form LLL, "Disclosure of Lobbying Activities", in accordance with its instructions.

Debarment, Suspension, and Other Responsibility Matters

Bidders shall complete and submit the form entitled "Certification Against Debarment and Suspension".

Furthermore, bidders shall certify that it and its principals:

- a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, sentenced to a denial of Federal benefits by a State or Federal court, or voluntarily excluded from covered transactions by any Federal department or agency.
- b) Have not within a three-year period preceding this bid been convicted of or had a civilian judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain or perform a public (Federal, State, or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property.
- c) Are not presently indicted for or otherwise criminally or civilly charged by a government entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph (b) of this certification; and
- d) Have not within a three-year period preceding this bid had one or more public transactions (Federal, State, or local) terminated for cause or default; and

Where the bidder is unable to certify to any of the statements in this certification, he or she attach an explanation to this bid.



To: All Bidders
From: Doug Crabill, Assistant to the Director of Administration
Re: Submittal Requirements-Checklist
Date: Monday, January 27, 2014

Dear Interested Bidders:

The bidder's proposal shall include the documents listed below. All documents shall be signed by the corporate officer submitting the bid proposal. This list is intended to be a checklist. If you omit any of the items listed, your bid may be considered non-responsive. If you fail to complete any of the submitted items below, you may be asked to complete such items for consideration.

Please submit:

- This Page (Checklist, Signed and Dated)
- Bidder's Proposal
- Delinquent Tax Affidavit
- Non-Collusion Affidavit
- Certification Against Debarment and Suspension
- Unresolved Finding for Recovery Certification
- Certificate in Compliance with Section 3517.13 (Campaign Contributions)
- Certifications or Corporate Resolution (corporation only)

By signing below, bidder acknowledges that all bid forms are properly executed as required.

Signature _____

Date _____

AFFIDAVIT OF CONTRACTOR OR SUPPLIER OF NON-
DELINQUENCY OF
PERSONAL PROPERTY TAXES

O.R.C. 5719.042

STATE OF OHIO

ss:

COUNTY OF _____

TO: City of Urbana

The undersigned, being first duly sworn, having been awarded a contract by you for the SCBA-Urbana Fire Division, Urbana, Ohio, hereby states that we were not charged at the time the bid was submitted with any delinquent personal property taxes on the general tax list of personal property of any county in which you as a taxing district have territory and that we were not charged with delinquent personal property taxes on any such tax list.

In consideration of the award of the above contract, the above statement is incorporated in said contract as a covenant of the undersigned.

Affiant

Sworn to before me and subscribed in my presence this _____ day of _____, 2014.

Notary Public

NONCOLLUSION AFFIDAVIT

State of Ohio

ss:

County of _____

Bid Identification: SCBA-Urbana Fire Division

CONTRACTOR _____(name of individual), being first duly sworn, deposes and says that he is _____(sole owner, a partner, president, secretary, etc.) of _____(corporate or business name of the party making the foregoing BID); that such BID is not made in the interest of or on behalf of any undisclosed person, partnership, company, association, organization, or corporation; that such Bid is genuine and not collusive or sham; that said BIDDER has not directly or indirectly induced or solicited any other BIDDER to put in a false or sham BID, and has not directly or indirectly colluded, conspired, connived, or agreed with any BIDDER or any one else to put in a sham BID, or that any one shall refrain from bidding; that said BIDDER has not in any manner, directly or indirectly, sought by agreement, communication or conference with any one to fix the BID price of said BIDDER or of any other BIDDER, or to fix any overhead, profit, or cost element of such BID price, or of that of any other BIDDER, or to secure any advantage against the OWNER awarding the contract or anyone interested in the proposed contract; that all statements contained in such BID are true; and, further, that said BIDDER has not, directly or indirectly, submitted his BID price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid any fee or will not pay any fee in connection therewith, to any corporation, partnership, company, association, organization, BID depository, or to any member or agent thereof, or to any other individual except to such person or persons as have a partnership or other financial interest with said BIDDER in his general business.

Affiant

Subscribed and sworn to before me this _____ day of _____, 2014.

Notary Public

CERTIFICATION AGAINST DEBARMENT AND SUSPENSION

The bidder hereby certifies, except as noted below, under penalty of perjury and under other such penalties as the laws of this state and the United States of America provide, that the company or any person associated therewith in the capacity of owner, partner, director, officer, principal investigator, project director, manager, auditor, or any position involving the administration of federal funds is **not** currently under suspension, debarment, voluntary exclusion or determination of ineligibility by any federal agency; that the company or any person associated therewith in the capacity of owner, partner, director, officer, principal investigator, project director, manager, auditor, or any position involving the administration of federal funds has **not** been suspended, debarred, voluntarily excluded or determined ineligible by any federal agency within the past three (3) years; that the company or any person associated therewith in the capacity of owner, partner, director, manager, auditor, or any position involving the administration of federal funds does **not** have a proposed debarment pending; that the company or any person associated therewith in the capacity of owner, partner, director, officer, principal investigator has **not** been indicted, convicted, or had a civil judgment rendered against the company, or themselves by a court of competent jurisdiction in any matter involving fraud or official misconduct within the past three (3) years.

If there are exceptions to any of the above clauses please set out the exceptions on the lines below. Exceptions will not necessarily result in denial of award, but will be considered in determining bidder responsibility. For any exception noted, indicate below to whom it applies, initiating agency and dates of action. Providing false information may result in criminal prosecution or administrative sanctions.

Execution of this proposal on the signature portion thereof shall constitute also signature of this certification as permitted by Title 28 United States Code, Section 1746.

Signed: _____

Title: _____

CERTIFICATE IN COMPLIANCE WITH SECTION 3517.13
OF THE OHIO REVISED CODE
FOR CONTRACTS AWARDED SEPTEMBER 29, 2009 AND
THEREAFTER

I, _____, as an individual or as a representative
(Please print)

of _____, am submitting a bid for a contract
(Name of Company)

for SCBA-Urbana Fire Division to be awarded by the City of Urbana.
(Type of Product or Service)

I hereby certify the following statements to be true with respect to prohibited activities constituting a conflict of interest or other violations under Ohio Revised Code Section 3517.13. I further state that I have the authority to make the following representation on behalf of myself or of the business entity:

1. That none of the following **individuals** has made one or more campaign contributions totaling in excess of \$1,000 to any member of the Urbana City Council or their individual campaign committee within the previous twenty-four (24) months, and that if awarded a contract for the purchase of goods or services with an aggregate in excess of \$10,000 in a calendar year, none of the following **individuals** shall, beginning on the date the contract is awarded and extending until one year following the conclusion of the contract, make one or more contributions totaling in excess of \$1,000 to any member of the Urbana City Council or their individual campaign committee:
 - a. An individual or sole proprietor;
 - b. Any partner or owner of the partnership or unincorporated business;
 - c. Any shareholder of an association;
 - d. The administrator or executor of an estate;
 - e. A trustee of a trust;
 - f. The owner of more than 20% of a corporation or business trust;
 - g. The spouse of any one of the above;
 - f. Each child seven years of age to seventeen years of age of any person identified above.

2. That **no combination of the following** has made one or more contributions totaling in excess of \$2,000 to any member of the Urbana City Council or their individual campaign committee within the previous twenty-four (24) months; and that if awarded a contract for the purchase of goods or services with an aggregate in excess of \$10,000 in a calendar year, **no combination of the following**, shall, beginning on the date the contract is awarded and extending until one year following the conclusion of the contract, make one or more contributions totaling in excess of \$2,000 to any member of Urbana City Council

or their individual campaign committee:

- a. An individual or sole proprietor;
- b. Any partner or owner of the partnership or unincorporated business;
- c. Any shareholder of an association;
- d. The administrator or executor of an estate;
- e. A trustee of a trust;
- f. The owner of more than 20% of a corporation or business trust;
- g. The spouse of any of the above;
- h. Each child seven years of age to seventeen years of age of any person identified above;
- i. Any political action committee affiliated with the partnership or other unincorporated business, association, estate, or trust.

- 3. I recognize that any contract awarded to me/my company in violation of R.C. 3517.13 may be rescinded and that I/we may be either fined not more than one thousand dollars or an amount equal to three times the amount contributed in excess of the amount permitted by the applicable division, if I am found guilty.
- 4. I further recognize that, pursuant to R.C. 3517.992(R)(3), knowingly making a false statement on this certification is a fifth degree felony.

Signature

Title

Date

Sworn to before me, and subscribed in my presence this ____ day of _____, 20____.

SEAL

Notary Public

CERTIFICATIONS (CORPORATION ONLY)

I, _____, certify that I am _____
of the corporation named as supplier herein; that _____, who signed
this agreement on behalf of the supplier was then _____ of
said corporation, and that said agreement was duly signed for and in behalf of said
corporation by authority of its governing body and is within the scope of its
corporate powers.

Corporate
Seal

Signature

Print Name and Title

Date: _____