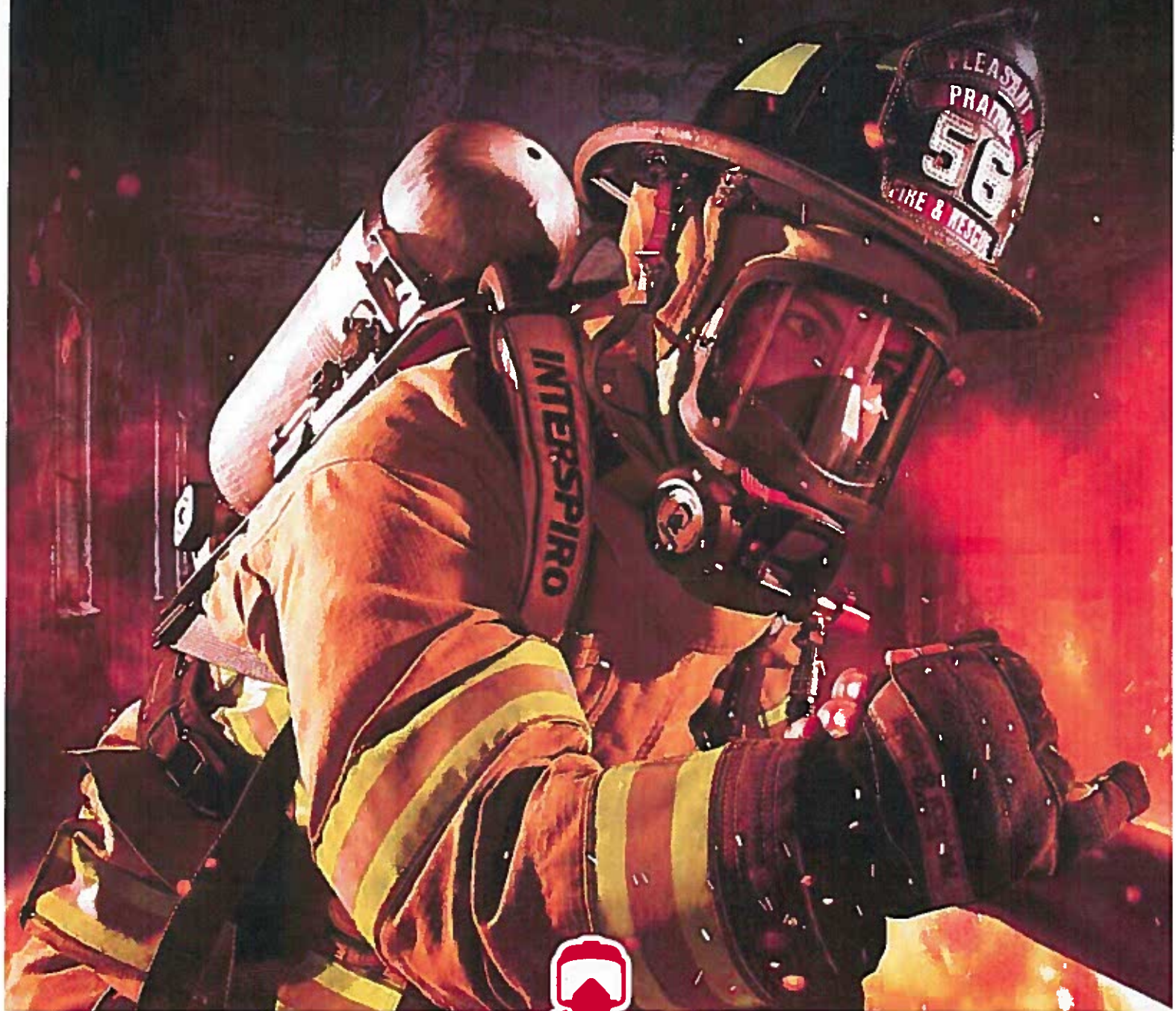


Firefighter Safety System

S8 | Spirocom | Spirolink | Spiropulse



INTERSPIRO

Keeps You Breathing



The Spiromatic™ S8 SCBA

Makes the heavy weight of duty feel lighter than ever

Your SCBA is your life insurance. Above all it must be built to withstand the toughest conditions, but the less you have to think about it being there, the more freedom you will have to do your duty. With a Spiromatic S8 you will not only feel less restrained, you will breathe easier too. The ergonomic harness distributes the air cylinder's weight perfectly, while its regulator system delivers industry-leading air flow rates along with the lowest breathing resistance of any NFPA approved SCBA.

Engineered for the best of the best

Industry leading breathing performance, revolutionary ergonomic design, unmatched communication features, advanced sensors, telemetry capabilities, and tracking technology.

See back page for recommended accessories.



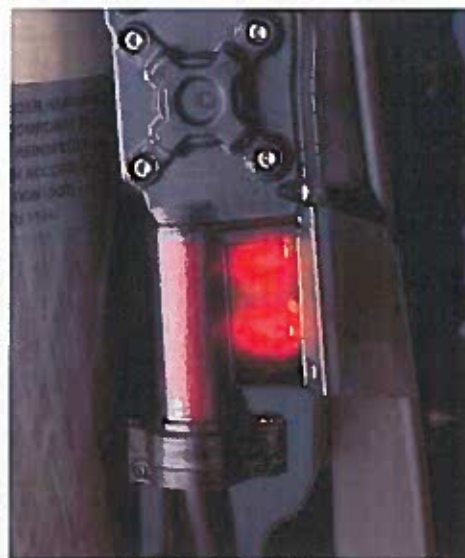
Experience superior comfort

Fit is easily adjusted from inside of harness for different body sizes, the waist pad is both adjustable and swiveling, and the ergonomic shoulder straps distribute weight away from the neck muscles.



Wireless Heads-Up Display

The built-in HUD gives you cylinder pressure and PASS status through colored LED lights. The air pressure LEDs are visible from the outside so firefighters can easily monitor their buddies' air status.



360° visibility

Blinking lights are positioned around the SCBA for good visibility even in bad conditions. The lights change color indicating PASS status and air pressure.



Unique air hose protection

When other engineers leave their air hoses exposed, increasing the risk of burning material getting caught and damaging the firefighter's turnout jacket, our R&D department developed a unique rubber protection that runs over the shoulders.



Personal Alert Safety System

Our PASS excels at everything you've come to expect, but add the accessories Spiropulse and Spirolink and you're looking at another level of safety. Now you can track and find lost firefighters with ultrasonic technology, as well as send evacuation signals directly to the PASS. More on back page.



Protected docking device

Impacts can damage the cylinder valve. Our docking device will withstand even heavy blows. As an added bonus, we've made the valve handle diamond-shaped, for easier handling when wearing gloves, and to prevent accidental closure of the cylinder valve.

The Interspiro S8 Safety System has it all



Spirocom

A three-in-one communication unit that features:

- A unique and proprietary Mask to Mask hands-free voice activated Team Talk Radio
- Bluetooth wireless technology for Long-Range Radio Activation (PTT)
- Voice Projection Unit
- Perfect fit for the Spiromatic™ S8 mask



Spirolink

A proactive telemetry system that allows an incident commander to make informed decisions for the safety of the firefighters. The incident commander can monitor individual firefighters with regards to cylinder pressure, remaining air time, temperature and PASS status. The system can also be used to send evacuation signals.



Spiropulse

An integrated tracking system that allows a RIT team to track down the wearer. When every second matters the unique Ultrasonic technology of the SpiroPulse gives the RIT team a direction as well as a path toward the down firefighter.

Setting the bar for safety

At Interspiro, we've worked for almost a hundred years to keep professionals breathing in hazardous environments. Many of our technological breakthroughs in breathing equipment have become industry standard, such as 300 bar and positive pressure. Today our equipment is used by firefighters and divers all over the world, and we work in close partnership with fire and rescue services, defence, shipping and heavy industry to meet and exceed their requirements. Interspiro is a member of the Ocenco Group and our headquarters is located in Stockholm, Sweden.



INTERSPIRO SCBA SERVICE SUPPORT PROGRAM FOR GREEN FIRE DEPARTMENT



Interspiro's Service Center for OH/PA and NC

Interspiro's ongoing commitment to service and customer support is enjoyed by many of Interspiro's fire department customers. The extreme ease of servicing Interspiro equipment makes the Interspiro S8 SCBA truly unique in the industry. The superior serviceability and outstanding service support are significant elements of our proposal. American Blazemasters has gained an outstanding reputation for servicing all of the products that the Company represents and this is especially true for Interspiro SCBA's. American Blazemasters is completely self-sufficient in terms of both servicing Interspiro SCBA's and training technicians to service Interspiro products. Interspiro, a US owned company based in Pleasant Prairie, WI, will be working closely with American Blazemasters to implement the professional training of Green's firefighters in the use and maintenance of Interspiro SCBA's. In addition, Interspiro will be sending its corporate service technician instructors to enhance the training of Akron's in-house service technicians. Our entire team is committed to doing what it takes to insure the success of this project.

SERVICE ADVANTAGES – TECHNICAL

- **Superior Pneumatics Engineering and Design** – Interspiro is one of the first developers of self contained breathing apparatus in the world. Though Interspiro is a US owned company, its Swedish based pneumatics technology has long been recognized for its superior design and capabilities. For example, the first stage regulator boasts only sixteen total parts and only one moving part. While it is the smallest regulator in the industry, it outperforms its competition in both flow rate and performance. Interspiro's leadership in SCBA regulator performance is world renowned.
- **Modular Design of SCBA Components** – In 1999, Interspiro introduced the first fully modular SCBA for the fire service. This modular approach benefits the City of Green Fire Department by:
 - Enabling efficient fault isolation for troubleshooting
 - Ease of repair



- Eliminating downtime and facilitating that SCBA's are continuously in-service
- Upgradability to future standards and future technology trends

This advantage is truly unique to the Interspiro SCBA!

SERVICE ADVANTAGES – LOGISTICAL

- **Spare Parts Availability**

- **Consigned Spare Parts** – A spare parts kit designed for Green FD will be consigned to the FD for easy access. In addition, spare parts are consigned at Akron FD and access can be provided to Green in emergency situations.
- **Local Parts Availability** – Spare parts are available locally at American Blazemasters Facility in Cranberry, PA. All Interspiro spare parts are listed on the American Blazemasters E-commerce website for ease of ordering.
- **Regional Parts Availability** – Spare parts are also available at the American Blazemasters regional service center in Albemarle, NC.
- **Distributor Parts Stock Locations** – American Blazemasters – Back up for spare parts are available at distributor locations in Greensboro, NC, Tarboro, NC and Boone, NC.
- **Corporate Parts Stock – Interspiro** – Interspiro maintains a well stocked inventory in its corporate headquarters in Wisconsin and its corporate regional service center in CT.

- **Sales & Customer Service Support**

- **Local Sales and Customer Service Support** - Local sales and customer service support can be provided by Mr. Paul Simmons, President of American Blazemasters in Cranberry, PA and JD Laird, Interspiro Factory Regional Manager located in Columbus, OH.
- **Corporate Sales and Customer Service Support – Interspiro** – A complete program has been developed by Interspiro in support of its customers and includes:
 - On-line schematics, downloads, catalogs, and contact capability.
 - An extensive, well-designed Service Manual.



- Bi-annual Refresher Service Training Courses are conducted by Tony Upchurch, the American Blazemasters SCBA Service Manager.
- Additional Service Training Courses are conducted periodically at the corporate headquarters in Wisconsin.



TO: SCBA Committee of City of Green Fire Department OH
FROM: Olof Rylander, Interspiro Director of Sales North America

RE: Interspiro BID Response for SCBA Purchase by City of Green FD

It is a pleasure to submit the enclosed bid response to the City of Green for the purchase of Self Contained Breathing Apparatus to be utilized by the Fire Department. Below is a summary of key components of our bid package that provides unique advantages and benefits to the Green FD that are only available from Interspiro USA.

BID PROPOSAL:

1. ***Futuristic Technology*** – The following accessories and product features are only available NOW to the City of Green should they select the Interspiro S8 SCBA and are not available from any other competitor.
 - a. **Easiest Breathing SCBA** powered by the highest flow rate first and second stage breathing regulators in the business.
 - b. **Firefighter Comfort** when wearing the S8 due to unique double pivoting harness and S-Design Shoulder Straps.
 - c. **SPIROCOM** – the most advanced communication device which is years ahead of any of its competitors. Clear, clean communication between firefighters is now a reality.
 - d. **IN-CURVE Harness Design** – totally unique non-fabric harness that enhances comfort even more and helps the firefighters to avoid exposure to toxic substances that are prevalent on the fireground. Decon with extreme ease and superior in durability.
2. ***Outstanding pricing*** – Due to the strategic importance of Green FD and its being located in Summit County near Akron FD (one of Interspiro's customers), the enclosed pricing proposal is quite aggressive. We would be honored to have Green FD as the second customer to choose Interspiro S8 SCBA for their use within the county.



3. ***Warranty – 15 YEARS for Entire SCBA and includes accessories (such as SpiroCom)!!***

While our competitors have reduced the length of their warranty, Interspiro has expanded its warranty. The savings to the Green FD will be substantial between the tenth and fifteenth years of usage. This is especially important to avoid expense normally incurred for repair/replacement of electronic parts and the strength of a 15 YR Warranty as a formal part of this bid response cannot be overstated.

- a. **Interspiro will cover shipping costs** for any repairs not made in-house and returned to the factory for warranty repair.
 - b. **Spare Parts Consignment** – Interspiro will provide a small consignment of spare parts at no expense to the Green FD and this will be backed up by a larger consignment of parts at the Akron FD. All to be coordinated by the Interspiro Factory representative.
4. ***Responsive Customer Service*** – from our local factory representative based in Columbus OH and our award winning distributor, American Blazemasters.
See attached "Interspiro Service Capabilities"

This cover letter serves to emphasize just a few of the most impressive and beneficial parts of the bid package. After the bid opening and during the evaluation time period of the bid responses, the Interspiro team is available to visit with the Chief or anyone that he designates to discuss and answer questions regarding the specifics of our commitment. It is our goal that all members of the SCBA committee of Green FD are completely confident in a decision to invest in Interspiro equipment.

The SCBA evaluation conducted by the City of Green FD has been highly professional and a positive experience. It is with great anticipation that we at Interspiro await the announcement of the final awardee. Thanks again for this opportunity.

Sincerely,

Olof Rylander
Director of Sales



PROPOSAL TO CITY OF GREEN, FINANCE DIRECTOR'S OFFICE

FOR

SELF-CONTAINED BREATHING APPARATUS

DUE JUNE 8, 2018 BY 10:00AM

Interspiro Primary Points of Contact:

Olof Rylander

Phone: 262-496-6919

Fax: 262-947-9902

Email: olof.rylander@interspiro.com

Paul Simmons

Phone: 412-310-0270

Fax: 724-772-0067

Email: paul@americanblazemasters.com

COMPLIANCE WITH TECHNICAL SPECIFICATION

INTERSPIRO PROVIDES THE FOLLOWING INFORMATION IN SUPPORT OF THE SELECTION PROCESS OUTLINED. THE FOLLOWING IS A VERBATIM TRANSCRIPT OF THE PROJECT MANUAL RELEASED ON MAY 18, 2018.

EACH REQUEST ITEM IS RESTATED, AND INTERSPIRO PROVIDES AN AFFIRMATIVE RESPONSE TO EACH REQUIREMENT, AS EITHER "INTERSPIRO COMPLIES" OR "INTERSPIRO ACCEPTS" TO INDICATE OUR COMPLIANCE OR ACCEPTANCE.

THOSE RESPONSES MAY INCLUDE ADDITIONAL TEXT OFFERED TO CLARIFY OR ENHANCE THAT TWO WORD ANSWER.

INTERSPIRO ACCEPTS THE COMMERCIAL TERMS REQUESTED, THEREBY OFFERING THE CITY OF GREEN A COMPLIANT PRODUCT FROM A CAPABLE SUPPLIER.

PROJECT MANUAL FOR
Self-Contained Breathing Apparatus
for Fire Department

CITY OF GREEN

PROJECT NO. 18-E-31

SET NO. ____

PROJECT MANUAL

**Self-Contained Breathing Apparatus
for Fire Department**

**CITY OF GREEN
1755 TOWN PARK BLVD.
GREEN, OHIO 44232-0278**

May 2018

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NOTICE FOR SEALED BIDS

SEALED BIDS for the City of Green, **Self-Contained Breathing Apparatus for Fire Department, Project 18-E-31** within the City of Green, Summit County, Ohio, will be received by the Finance Director's Office, at the City Administration Building, 1755 Town Park Blvd., Green, Ohio 44232-0278, until **10:00 AM on June 1, 2018**. The bids will be publicly opened in Conference Room B and read aloud at that time.

This base project consists of providing 44 Complete Self Contained Breathing Apparatus along with 44 spare cylinders and related equipment.

Beginning May 18, 2018 the Contract Documents may be picked up between 8:00 am and 4:00 pm at:

City of Green Central Administration Building Finance Department
1755 Town Park Blvd
Uniontown, Ohio 44685

Bids may also be requested via email from finance@cityofgreen.org or by calling 330-896-6603.

Each bid must be accompanied by a Bid Guaranty, in accordance with Section 153.54 of the Ohio Revised Code. Each bidder shall submit either a Bid Guaranty bond in the amount of 100%, OR a certified check in the amount of 10% of the proposal, made payable to the CITY OF GREEN. Bids must be presented in a sealed envelope marked "**2018 Self-Contained Breathing Apparatus for Fire Department 18-E-31**". Green Council reserves the right to accept and/or reject any or all bids.

Bonds must be executed on the forms provided in the bidding and contract documents. Standard bonding documents will not be acceptable.

BY THE ORDER OF THE CITY OF GREEN COUNCIL
Gerard M. Neugebauer, Mayor

INTERSPIRO ACCEPTS

SUPPLEMENT TO NOTICE FOR SEALED BIDS

No Bidder may withdraw his bid within sixty (60) days after the actual date of the bid opening.

The City anticipates issuing a Notice to Proceed by July 17, 2018 or sooner .

A Bid Guaranty filed in the form of a bond shall be in the form of the BOND included in these BIDDING DOCUMENTS. A Bid Guaranty filed in the form of a certified check, cashier's check or letter of credit shall be conditioned to provide that if the bid is accepted, the BIDDER will after the award of the contract, enter into a proper contract in accordance with the bid, plans, details, specifications and bills of material. If the BIDDER enters into the contract, the BIDDER shall, at the time he enters into the contract, file a bond for the amount of the contract to indemnify the OWNER against all damage suffered by failure to perform the contract according to its provisions and in accordance with the plans, details, specifications and bill of material.

Bids may be forwarded by registered mail addressed to the City of Green, Attention: Finance Director, P.O. Box 278, Green, Ohio 44232-0278; or hand-carried and deposited at the Office of the Finance Director, City Administration Building, 1755 Town Park Blvd., Green, Ohio 44232-0278 prior to the time scheduled for opening of bids.

BIDDERS are encouraged to use women and minority business enterprises whenever possible.

There is no scheduled pre-bid meeting for this project. All questions shall be directed to:

Douglas Cincurak
Captain
City of Green Fire Department
4200 Massillon Road
North Canton, OH 44720
Phone: 330-896-6610
e-mail: dcincurak@cityofgreen.org

Jeffery Funai
Chief
City of Green Fire Department
4200 Massillon Road
North Canton, OH 44720
Phone: 330-896-6610
e-mail: jfunai@cityofgreen.org

INTERSPIRO ACCEPTS

INSTRUCTIONS TO BIDDERS

I. DEFINED TERMS

Terms used in these Instructions to Bidders which are defined in the General Conditions of the Construction Contract, shall have the meanings assigned to them in the General Conditions and Supplement (if any).

INTERSPIRO ACCEPTS

II. SUBMISSION OF BIDS

Bids shall be submitted at the time and places stated in the Advertisement and shall be included in an opaque sealed envelope, marked with the project title and name and address of the Bidder and accompanied by the Bid Guaranty and other required documents. The required Bid Documents must be fully completed and executed when submitted. Only one copy of the required documents is to be submitted. The required documents are listed in the Bidding Documents Table of Contents under "Submittals". If not delivered in person, the Bid shall be forwarded by registered mail; the sealed envelope containing the bid shall be enclosed in another envelope addressed to the OWNER.

INTERSPIRO ACCEPTS

III. EXAMINATION OF CONTRACT DOCUMENTS AND SITE

- A. Before submitting his Bid, each Bidder must (a) examine the Contract Documents thoroughly; (b) familiarize himself with local conditions that may affect performance of the work; (c) familiarize himself with federal, state and local laws, ordinances, rules and regulations, affecting performance of the work; and (d) carefully correlate his observations with the requirements of the Contract Documents.
- B. Interpretations: All questions about the meaning or intent of any ambiguity, or inconsistency, discrepancy, omission or error in the Contract Documents shall be submitted to the fire department in writing. Replies will be issued by Addenda, and mailed or delivered to all parties recorded by the fire department as having received the Bidding Documents. Questions received less than seven (7) calendar days prior to the date for opening of Bids will not be answered. Only questions answered by formal written Addenda will be binding. Oral and other interpretations or clarifications will be without legal effect.
- C. Approximate Quantities: The quantities appearing in the itemized proposal are approximate only and are prepared for the comparison of Bids. The Bidders must satisfy themselves as to the accuracy of the estimated quantities. Payment to the Contractor will be made only for the actual quantities of work performed and accepted, or, for materials furnished in accordance with the Contract, unless otherwise provided. The scheduled quantities of work to be done and materials to be furnished may each be increased, decreased, or omitted as hereinafter provided.
- D. Materials Substitution: Each Contractor shall base his Bid on furnishing on items as exactly as shown on the Contract Drawings, if any, and as described in the Contract Specifications. The successful Contractor must obtain a properly

authorized change order on his contract before installing any work in variance with the Contract requirements.

- E. The submission of a bid will constitute an incontrovertible representation by the Bidder that he has complied with and understands every requirement of these instructions. Failure or omission of the Bidder to do all of the foregoing shall in no way relieve the Bidder from any obligations in respect to his bid.

INTERSPIRO ACCEPTS

IV. BID GUARANTY

The amount and type of Bid Guaranty is stated in the Advertisement. The required Guaranty must be in the form a certified or bank cashier's check, letter of credit made payable to the Owner, or a bid bond issued by a surety licensed to conduct business in the state where the project is located. Attorneys-in-fact who sign bid bonds or contract security bonds must file with each Bond a certified and effective dated copy of their Power of Attorney. The Bid Guaranty of the successful Bidder will be retained until he has executed the Agreement and furnished the required Contract Security, Proof of Insurance, and other listed documents, whereupon it will be returned; if he fails to execute the Agreement and furnish the required documents, his Bid Guaranty will be forfeited. The Bid Guaranty of any Bidder whom the Owner believes to have a reasonable chance of receiving the award, may be retained by the Owner until the earlier of ten (10) calendar days after the Agreement is executed and the required documents are furnished or the ten (10) calendar days after expiration of the bid holding period. The Bid Guaranty of other Bidders will be returned within twenty (20) calendar days of the bid opening.

If all bids are rejected, the Bid Guaranty of all Bidders will be returned within twenty (20) calendar days after rejection.

INTERSPIRO ACCEPTS

V. BID FORM AND SIGNING

- A. The required Bid Form is included in the Bidding Documents; additional copies may be obtained from the Fire Division. All bids must be made on the required form. A price must be given for each item in that portion of the project being bid. The required Bid Documents must be fully completed and executed when submitted. Only one (1) copy of the required Bid Documents is to be submitted.
- B. The Bid Form must be completed in ink or by typewriter.
- C. Bids by corporations must be executed in the corporate name by the president or a vice president (or other corporate officer accompanied by evidence of authority to sign) and the corporate seal shall be affixed and attested by the secretary or an assistant secretary. The corporate address and state of incorporation shall be shown below the signature.
- D. Bids by partnerships must be executed in the partnership name and signed by a partner, his title must appear under his signature and the official address of the partnership must be shown below the signature.
- E. All names must be typed or printed below the signature.

- F. The bid shall contain an acknowledgment of receipt of all Addenda (the numbers of which shall be filled in on the Bid Form).

INTERSPIRO ACCEPTS

VI. CONTRACT TIME

The number of calendar days for the completion of work (the Contract time) is set forth in the Bid Form and will be included in the executed Agreement. Any provisions for liquidated damages are set forth in the Bid Form.

INTERSPIRO ACCEPTS

VII. QUALIFICATION OF BIDDERS

To demonstrate his qualifications for the project, each Bidder must be prepared to submit, within five (5) calendar days of the Owner's request, written evidence of the types set forth in the Bid Documents, such as financial data, previous experience, evidence of authority to conduct business in the jurisdiction where the project is located, plant available and method of performing the work, and whether he has ever been terminated or defaulted on construction work.

INTERSPIRO ACCEPTS

VIII. SUBCONTRACTS, ETC.

Requirements as to the qualification and acceptability of subcontractors, suppliers and the necessity of identifying them at the time of submission of the Bid are set forth in the Bid Documents. If no subcontractors are to be employed then it must be so stated.

INTERSPIRO ACCEPTS

IX. NON-COLLUSIVE AFFIDAVIT

Each Bidder is to furnish with, and as part of his Bid, a Non-Collusive Affidavit, duly signed, titled, dated and sworn to.

INTERSPIRO ACCEPTS

X. EQUIPMENT AND MATERIALS

Bidders must list name of manufacturer and make or model of major equipment bid in the Proposal as required in the Bid Documents.

INTERSPIRO ACCEPTS

XI. MODIFICATION AND WITHDRAWAL OF BIDS

Bids may be modified or withdrawn by an appropriate document duly executed (in the manner that a Bid must be executed) and delivered to the place where bids are to be submitted at any time prior to the opening of bids.

INTERSPIRO ACCEPTS

XII. USE OF SPECIFICATIONS

The Bidder shall take note of the table of contents of each part of the Technical Specifications and the index to the drawings (if any) to insure that his set of Contract Documents is complete. He is to notify the Fire Division if it is not complete.

INTERSPIRO ACCEPTS

XIII. PRECEDENCE OF CONTRACT DOCUMENTS

In the event that any variance should arise between the technical specifications, the detailed drawings (if any), or the General Conditions, the order of precedence will be:

Special Conditions - First Authority; General Conditions - Second Authority; Technical Specifications - Third Authority; Detailed Drawings - Fourth Authority

INTERSPIRO ACCEPTS

XIV. BID OPENING

Bids will be opened in public and read aloud at the place and time set for the opening in the Advertisement. Late bids will not be considered. The contents will be released to all Bidders and others having a legitimate interest as determined by the Owner. No Bidder may withdraw a bid after the bid opening for that period of time stated in the Supplement to Notice for Sealed Bids, but the Owner may, by his discretion, release any bid and return the Bid Guaranty prior to the end of the expiration period. The bids may be held for an extended period of time as agreed to in writing between the Owner, the Bidder concerned and his Surety.

INTERSPIRO ACCEPTS

XV. DISQUALIFICATION OF BIDDERS

Any one or more of the following causes may be considered as sufficient for the disqualification of a Bidder and the rejection of his proposal:

- A. More than one proposal for the same work from an individual, firm, partnership, or corporation under the same or different names.
- B. Evidence of collusion among Bidders.
- C. Unbalanced proposals in which the prices for some items are substantially out of proportion to the prices for other items.
- D. Failure to submit a unit price or lump sum for each item of work listed in the proposal.
- E. Lack of competency as revealed by financial statement or experience questionnaire, if such are required.
- F. Unsatisfactory performance record as shown by past work judged from the standpoint of workmanship and progress.
- G. Uncompleted work which, in the judgment of the Owner, might hinder or prevent the prompt completion of additional work.
- H. Involvement in any way in which there could be a conflict of interest or such as kickbacks, and gratuities.

- I. If the proposal is on a form other than that furnished herein, or if the form is altered or any part thereof is detached.
- J. If there are unauthorized additions, conditional or alternate bids, or irregularities of any kind which may tend to make the proposal incomplete, indefinite or ambiguous as to its meaning.
- K. If the Bidder adds any provisions reserving the right to accept or reject an award, or to enter into a contract pursuant to an award.
- L. If any of the required bid submittals is not supplied.

INTERSPIRO ACCEPTS

XVI. COMPARISON OF BID PRICES

Bids will be compared on the basis of a total price, arrived at by taking the sum of the total prices of all items in the Bid Schedule. The total price of each unit price item will be the product of the unit price and the estimated quantity of the item. In case of a conflict between the total price and the unit price for an item, the written unit price shall prevail.

INTERSPIRO ACCEPTS

XVII. MISTAKE IN BID

Where a Bidder claims to have made a mistake, such a mistake must be called to the attention of the Owner and documented within 48 hours after the opening of bids. If such notice and proof convinces the Owner that an honest mistake has been made, no award will be made upon such Bid. Return of the Bid deposit, or a portion thereof, if any, will be determined by the Owner based on the amount the Owner was damaged by the mistake.

INTERSPIRO ACCEPTS

XVIII. ELIMINATED ITEMS

Should any items contained in the proposal be found unnecessary for the proper completion of the work, the Owner may, upon written order to the Contractor, eliminate such items from the Contract. When a Contractor is notified of the elimination of items, he will be reimbursed for actual work done and all costs incurred, including mobilization of materials prior to said notification. Any such material may, at the option of the Owner, be purchased at the actual cost to the Contractor.

INTERSPIRO ACCEPTS

XIX. AWARD OF CONTRACT

- A. Definition of Award: The Contract shall be deemed to have awarded only after formal "Notice of Award" has been duly served upon the Bidder by the Owner within that period during which the Bid cannot be withdrawn.
- B. The Award of Contract, if it is awarded, will be to the lowest, responsive, responsible Bidder whose qualifications indicate the award will be in the best interest of the Owner and whose bid complied with all the prescribed requirements.

- C. The Owner reserves the right to reject any and all bids and waive any and all informalities, and the right to disregard all non-conforming or conditional bids or counterproposals.

INTERSPIRO ACCEPTS

XX. EXECUTION OF CONTRACT

- A. The party to whom the Contract is awarded will be required to execute at least three (3) counterparts of the Agreement and obtain the Performance and Payment Bond, Maintenance Bond (if required), and Certificate of Insurance within ten (10) calendar days from the date when Notice of Award is delivered to the Bidder. The Notice of Award shall be accompanied by the necessary Agreement, Bond and insurance forms. In case of failure of the Bidder to execute the Agreement, the Owner may, at his option, consider the Bidder in default, in which case the Bid Security accompanying the proposal shall become the property of the Owner.
- B. The Owner, within ten (10) calendar days of receipt of acceptable executed Contract Documents and Agreement signed by the party to whom the Agreement was awarded, shall sign the Agreement and return to such party an executed duplicate of the Agreement. Should the Owner not execute the Agreement within such period, the Bidder may, by written notice, withdraw his signed Agreement. Such notice of withdrawal shall be effective upon receipt of the notice by the Owner.
- C. The Notice to Proceed shall be issued between ten (10) calendar days of the execution of the Agreement by the Owner. Should there be reasons why the Notice to Proceed cannot be issued within such period, the time may be extended by mutual agreement between the Owner and Contractor. If the Notice to Proceed has not been issued within the ten (10) calendar day period or within the period mutually agreed upon, the Contractor may terminate the Agreement without further liability on the part of either party.

INTERSPIRO ACCEPTS

XXI. NAME OF CONTRACT SURETY

The Bidder shall submit at time of bid, the form stating the name and address of the surety or sureties who will sign the Performance and Payment Bond in case the contract is awarded to him.

**INTERSPIRO ACCEPTS,
see Appendix 1.**

BID SUBMITTALS

A. Submittals Required at the Time of Bid Opening

NON-COLLUSION AFFIDAVIT

STATE OF Wisconsin)
)ss.
COUNTY OF Kenosha)

Olof Rylander, being first and duly sworn, deposes and says that he is Director of Sales of Intersprio Inc., (sole owner, partner, president, sec., etc.) the party making the foregoing proposal or bid; that such bid is genuine and not collusive or sham; that said bidder has not colluded, conspired, connived, or agreed, directly or indirectly, with any bidder or person, to put in a sham bid, or that such person shall refrain from bidding, and has not in any manner, directly or indirectly, sought by agreement or collusion, or communication or conference, with any person, to fix the bid price or affiant of any other bidder, or to fix any overhead, profit or cost element of said bid price, or of that of any other bidder, or to secure any advantage against City of Green, OH or any person or persons interested in the proposed contract; and that all statements contained in said proposal or bid are true; and further, that such bidder has not directly or indirectly, submitted this bid, or the contents thereof, or divulged information or data relative thereto to any association or to any member or agent thereof.

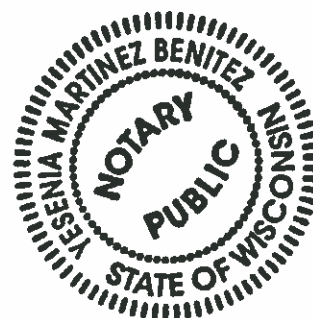

Affiant

Sworn to and subscribed before me this 31st day of May, 2018.

Yazmin Martinez Benitez
Notary Public in and for

Kenosha County,

My commission expires March 12, 2021



Bid Guaranty and Contract Bond
(SECTION 153.571 Ohio Revised Code)

10610508

KNOW ALL MEN BY THESE PRESENTS, that we, the undersigned INTERSPIRO INC
as Principal and Travelers Casualty and Surety Company of America

as Surety, are hereby held and firmly bound unto

City of Green

hereinafter called the Oblige, in the penal sum of the dollar amount of the bid submitted by
the Principal to the Oblige on 5/31/2018 to undertake the project
known as: Project 18-E-31: Self Contained Breathing Apparatus For Fire Department

The penal sum referred to herein shall be the dollar amount of the Principal's bid to the
Oblige, incorporating any additive or deductive alternate proposal made by the Principal on
the date referred to above to the Oblige, which are accepted by the Oblige. In no case
shall the penal sum exceed the amount of \$264,000
dollars (\$_____).

(If the above line is left blank, the penal sum will be the full amount of the
Principal's bid, including alternates. Alternatively, if completed, the amount
stated must not be less than the full amount of the bid, including alternates,
in dollars and cents. PERCENTAGE IS NOT ACCEPTABLE.)

For the payment of the penal sum well and truly to be made, we hereby jointly and severally
bind ourselves, our heirs, executors, administrators, successors, and assigns.

THE CONDITION OF THE ABOVE OBLIGATION IS SUCH, that whereas the above named
Principal has submitted a bid on the above referred to project.

NOW, THEREFORE, if the Oblige accepts the bid of the Principal and the Principal fails to
enter into a proper contract in accordance with the bid, plans, details, specifications, and bills
of material; and in the event the Principal pays to the Oblige the difference not to exceed ten
percent of the penalty hereof between the amount specified in the bid and such larger amount
for which the Oblige may in good faith contract with the next lowest bidder to perform the work
covered by the bid: or in the event the Oblige does not award the contract to the next lowest
bidder and resubmits the project for bidding, the Principal will pay the Oblige the difference
not to exceed ten percent of the penalty hereof between the amount specified in the bid, or the
costs, in connection with the resubmission, of printing new contract documents, required
advertising and printing and mailing notices to prospective bidders, whichever is less, then this
obligation shall be null and void, otherwise to remain in full force and effect. If the Oblige
accepts the bid of the Principal and the Principal within ten days after the awarding of the
contract, enters into a proper contract in accordance with the bid, plans, details, specifications,
and bills of material, which said contract made part of this bond the same as though set forth
herein; and

IF THE SAID Principal shall well and faithfully perform each and every condition of such
contract; and indemnify the Oblige against all damage suffered by failure to perform such

contract according to the provisions thereof and in accordance with the plans, details, specifications, and bills of material therefore; and shall pay all lawful claims of subcontractors, materialmen, and laborers; for labor performed and materials furnished in the carrying forward, performing, or completing of said contract; we agreeing and assenting that this undertaking shall be for the benefit of any materialman or laborer having a just claim, as well as for the Obligee herein; then this obligation shall be void; otherwise the same shall remain in full force and effect; it being expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall in no event exceed the penal amount of this obligation as herein stated.

THE SAID Surety hereby stipulates and agrees that no modifications, omissions, or additions, in or to the terms of said contract or in or to the plans and specifications therefore shall in any wise affect the obligations of said Surety on this bond, and it does hereby waive notice of any such modifications, omission or additions to the terms of the contract or to the work or to the specifications.

SIGNED AND SEALED This 1st day of June, 2018.

PRINCIPAL:
INTERSPIRO INC

BY: Olof Rylander (OLOF RYLANDER)

TITLE: DIRECTOR OF SALES

SURETY: Travelers Casualty and Surety Company of America

SURETY COMPANY ADDRESS:
One Tower Square, Hartford, CT 06115

BY: Gregory Scott Smith
Gregory Scott Smith, Attorney-in-Fact

SURETY AGENT'S ADDRESS
RBN Insurance Services
Agency Name

303 East Wacker Dr., Suite 650
Street

Chicago IL 60601
City State Zip

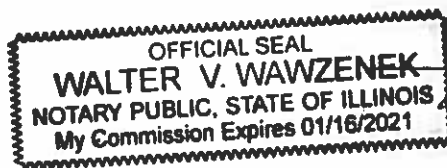
ACKNOWLEDGEMENT BY SURETY

State of ILLINOIS

County of COOK:

On the 1st, day of June 2018 before me personally came Gregory Scott Smith,

To me known, who being by me duly sworn, did depose and say: that he/she resides in **COOK COUNTY** and is the **ATTORNEY-IN-FACT for Travelers Casualty and Surety Company of America**, the corporation described in and which executed the foregoing instrument; that he/she knows the seal of said corporation; that the seal affixed to the said instrument is such corporate seal; that it was so affixed under authority of a resolution of the Board of Directors, and that he/she signed his/her name thereto by like order.




Notary Public



POWER OF ATTORNEY

Farmington Casualty Company
Fidelity and Guaranty Insurance Company
Fidelity and Guaranty Insurance Underwriters, Inc.
St. Paul Fire and Marine Insurance Company
St. Paul Guardian Insurance Company

St. Paul Mercury Insurance Company
Travelers Casualty and Surety Company
Travelers Casualty and Surety Company of America
United States Fidelity and Guaranty Company

Attorney-In Fact No. 230451

Certificate No. 007222702

KNOW ALL MEN BY THESE PRESENTS: That Farmington Casualty Company, St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company are corporations duly organized under the laws of the State of Connecticut, that Fidelity and Guaranty Insurance Company is a corporation duly organized under the laws of the State of Iowa, and that Fidelity and Guaranty Insurance Underwriters, Inc., is a corporation duly organized under the laws of the State of Wisconsin (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint

Debra P. Owles, Bruce J. Scodro, Cyndi LaMotte, Justin B. Dietz, Max Scodro, and Gregory Scott Smith

of the City of Chicago, State of Illinois, their true and lawful Attorney(s)-in-Fact, each in their separate capacity if more than one is named above, to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed and their corporate seals to be hereto affixed, this 11th day of May, 2017.

Farmington Casualty Company
Fidelity and Guaranty Insurance Company
Fidelity and Guaranty Insurance Underwriters, Inc.
St. Paul Fire and Marine Insurance Company
St. Paul Guardian Insurance Company

St. Paul Mercury Insurance Company
Travelers Casualty and Surety Company
Travelers Casualty and Surety Company of America
United States Fidelity and Guaranty Company



State of Connecticut
City of Hartford ss.

By: Robert L. Raney

Robert L. Raney, Senior Vice President

On this the 11th day of May, 2017, before me personally appeared Robert L. Raney, who acknowledged himself to be the Senior Vice President of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

In Witness Whereof, I hereunto set my hand and official seal.
My Commission expires the 30th day of June, 2021.



Marie C. Tetreault
Marie C. Tetreault, Notary Public

BID

Proposal of INTERSPIRO (hereinafter called "Bidder"), organized and existing under the laws of the State of CONNECTICUT, doing business as INTERSPIRO, to the CITY OF GREEN (hereinafter called "Owner").

In compliance with your Advertisement for Bids, Bidder hereby proposes to provide the **2018 Self Contained Breathing Apparatus, Project 18-E-31**, in strict accordance with the Contract Documents, within the time set forth therein, and at the prices stated below.

By submission of this Bid, each Bidder certifies, and in the case of a joint Bid, each party thereto certifies as to his own organization, that this Bid has been arrived at independently, without consultation, communication, or agreement as to any matter relating to this Bid with any other Bidder or with any competitor. Bidder hereby agrees to commence Work under this contract on or before a date to be specified in the Notice to Proceed and to fully complete the Project base bid work within **60** consecutive calendar days thereafter, with no additional days allowed for any alternate bid, if awarded. Bidder further agrees to pay as liquidated damages, sum of **\$100.00** for each consecutive calendar day thereafter as provided in Section 15 of the General Conditions.

Bidder acknowledges receipt of the following Addendum:

ADDENDUM NO. 1 - MAY 23, 2018

The BIDDER will complete the work for the following prices:

See Appendix 2

Self Contained Breathing Apparatus

Bid Specifications

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

INTERSPIRO COMPLIES

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

INTERSPIRO COMPLIES

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.

EXCEPTION, INTERSPRIO WILL BID THIS DIRECTLY FROM THE FACTORY AND USE ITS AUTHORIZED DISTRIBUTOR AMERICAN BLAZEMANSTER FOR DELIVERY AND WARRANTY WORK.

The SCBA shall maintain all NIOSH standards with any of the following types of cylinders listed as provided by the SCBA manufacturer.

INTERSPIRO COMPLIES

| Regulatory Approvals | Product: | | |
|--|-------------------------------------|--------------------------|--------------------------|
| | Meets | Does Not Meet | Exception |
| <ul style="list-style-type: none">The SCBA shall be approved to NIOSH 42 CFR, Part 84 for chemical, biological, radiological and nuclear protection (CBRN). | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none">The SCBA shall be compliant to the NFPA 1981, 2018 Edition, Standard on Open-Circuit Self-Contained Breathing Apparatus for Emergency Services. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none">The SCBA shall be compliant to the NFPA 1982, 2018 Edition (if including optional PASS Device), Standard on Personal Alert Safety Systems. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none">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. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| Required Components | Product: | | |
|--|-------------------------------------|--------------------------|--------------------------|
| | Meets | Does Not Meet | Exception |
| Facepiece | | | |
| <ul style="list-style-type: none"> 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. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The full facepiece assembly shall fit persons of varying facial shapes and sizes with minimal visual interference. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The full facepiece assembly shall be available in multiple sizes marked accordingly to fit individual firefighter's faces. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The facepiece sizes shall be easily identifiable through a color-coding scheme. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The facepiece assembly, including head harness, shall be latex free. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The facepiece shall contain inhalation valves that are readily visible to enable quick visual inspection. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The lens shall be a single, replaceable, modified cone configuration constructed of a non-shatter type polycarbonate material. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> In accordance with NIOSH 42 CFR part 84, the facepiece meets penetration and impact requirements, including compliance with ANSI Z87.1 – 2010. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The lens shall have a coating to resist abrasion and chemical attack and meet the requirements of NFPA-1981, for lens abrasion. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The lens shall have an internal anti-fog coating to reduce fogging of the lens. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The head harness shall be available in a five-point suspension made in the fashion of a net hood to minimize interference between securing of the facepiece and the wearing of head protection. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The head harness shall be available in a five-strap and four-strap configuration. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The head harness shall be constructed of a para-aramid material for fire, first responder and CBRN applications. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The head harness shall include either a positioning strap or an integrated handle to assist with donning of the facepiece. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| | | | |
|---|-------------------------------------|--------------------------|-------------------------------------|
| <ul style="list-style-type: none"> Two flame resistant elastic straps, attached to the faceseal in four locations, shall provide adjustment for proper face sealing. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Product: | | | |
| <i>Mask-Mounted Regulator</i> | Meets | Does Not Meet | Exception |
| <ul style="list-style-type: none"> The facepiece-mounted positive pressure-breathing regulator shall supply and maintain air to the facepiece to satisfy the needs of the user at a pressure greater than atmospheric by no more than 1.5 inches of water pressure static. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The breathing regulator shall maintain positive pressure during flows of up to 500 standard liters per minute. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The regulator shall also meet or exceed a dynamic flow requirement of remaining positive while supplying a minute volume of 160 liters. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> 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. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> A regulator shall be available with a quick connect coupling in line 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. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The quick connect coupling shall be easily connected and disconnected by trained individuals with a gloved hand and/or in low light conditions. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The quick connect coupling shall not allow the air hose to be connected without the HUD Connection. | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Exception 1, see Exception section. | | | |
| <ul style="list-style-type: none"> The coupling shall also be guarded against inadvertent disconnect during use of the equipment. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The low-pressure hose shall be equipped with a swivel attachment at the facepiece mounted regulator. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The user shall hear an audible sound when the regulator is attached correctly to the facepiece. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The regulator shall be equipped with a gasket which provides a seal against the mating surface of the facepiece. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| | | | |
|--|-------------------------------------|--------------------------|-------------------------------------|
| <ul style="list-style-type: none"> The regulator cover shall be fabricated of a flame resistant, high impact plastic. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The breathing regulator shall have a demand valve to deliver air to the user, activated by a diaphragm responsive to respiration. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> A purge valve shall be situated at the inlet of the breathing regulator and shall be capable of delivering airflow of between 125 and 225 standard liters per minute. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The breathing regulator shall be designed to direct the incoming air over the inner surface of the facepiece lens for defogging purposes. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The components of the breathing regulator shall be constructed of materials that are not vulnerable to corrosion. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The regulator shall reactivate and supply air only in the positive pressure mode when the wearer affects a face seal and inhales. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> This device shall not affect the breathing flow through the system while in operation. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Product: | | | |
| <i>Pressure Reducer with Snap-Change Cylinder Connection</i> | Meets | Does Not Meet | Exception |
| <ul style="list-style-type: none"> The pressure-reducing regulator shall be mounted on the backframe and be coupled to the cylinder valve through a quick connect assembly for engagement and sealing within the cylinder valve outlet. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The cylinder shall be secured to the pressure-reducing regulator with two pull-rings 180° from each other. | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Exception 2. | | | |
| <ul style="list-style-type: none"> A stainless steel rod shall secure each of the pull-rings to prevent removal of the cylinder while the SCBA is pressurized. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The stainless steel rods shall be actuated when the cylinder is opened and when cylinder pressure is above 30 psig. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> 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. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The back-up pressure-reducing valve shall also be the means of activating the low-pressure alarm devices in the facepiece-mounted breathing regulator. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| | | | |
|---|-------------------------------------|--------------------------|-------------------------------------|
| <ul style="list-style-type: none"> 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. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> A press-to-test valve shall be included to allow bench testing of the back-up reducing valve. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The pressure-reducing regulator shall have extended temperature range dynamic O-ring seals composed of fluorosilicone elastomer. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> 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. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Product: | | | |
| <i>Pressure Reducer with CGA Cylinder Connection</i> | Meets | Does Not Meet | Exception |
| <ul style="list-style-type: none"> 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. | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Exception 3. | | | |
| <ul style="list-style-type: none"> 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. | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Exception 4. | | | |
| <ul style="list-style-type: none"> The back-up pressure-reducing valve shall also be the means of activating the low-pressure alarm devices in the facepiece-mounted breathing regulator. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> 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. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> A press-to-test valve shall be included to allow bench testing of the back-up reducing valve. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The pressure-reducing regulator shall have extended temperature range dynamic O-ring seals composed of fluorosilicone elastomer. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> 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. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Product: | | | |
| <i>End-of-Service Time Indicator (EOSTI)</i> | Meets | Does Not Meet | Exception |

| | | | |
|---|-------------------------------------|--------------------------|-------------------------------------|
| <ul style="list-style-type: none"> The SCBA shall have two end-of-service time indicators (EOSTI). A tactile alarm and a Heads-Up Display (HUD). | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The primary EOSTI shall be the integral low-pressure alarm device that shall combine an audible alarm. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> This alarm device shall indicate either low cylinder pressure (33% +5%, -0%) or a malfunction of the primary pressure-reducing valve (first stage regulator). | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The HUD shall serve as the secondary EOSTI. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The HUD shall be powered by the SCBA's single power supply. | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Exception 5. | | | |
| <ul style="list-style-type: none"> It shall be mounted in the user's field of vision on the Facepiece-Mounted Positive Pressure Regulator. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> It shall display cylinder pressure in increments of 100%, 75%, 50% and 33%. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The display shall not have a numerical representation of cylinder pressure. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> At full cylinder pressure, two green Light Emitting Diodes (LED) shall be illuminated. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> At three-quarter cylinder pressure, one green LED shall be illuminated. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> At one-half cylinder pressure, one "yellow" LED shall be illuminated and flash at a rate not to exceed one (1x) time per second. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> At one-third cylinder pressure, one "red" LED shall be illuminated and flash at a rate not to exceed ten (10x) times per second. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The HUD shall have a low battery indication that is distinct and distinguishable from the cylinder pressure indications. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Product: | | | |
| <i>Harness and Backframe Assembly</i> | Meets | Does Not Meet | Exception |

| | | | |
|---|-------------------------------------|--------------------------|-------------------------------------|
| <ul style="list-style-type: none"> 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. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The backframe shall be a solid, one-piece black powder-coated aluminum alloy frame that is contoured to follow the shape of the user's back. | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Exception 6. | | | |
| <ul style="list-style-type: none"> The backframe shall include a shroud to streamline hose and wire management by minimizing exposure of the low pressure hose and electronics molded cable. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The backframe shall include a mounting for the pressure reducer located at the waist. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The backframe shall include an over-the-center, adjustable fixture and a locking latch assembly to secure 30, 45, 60, or 75 minute cylinders. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The backframe shall include a mounting area suitable for installation of a distress alarm integrated with the SCBA. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The mounting area shall permit installation of a distress alarm sensor module in an area between the pressure reducer and the backframe. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The harness assembly shall include a waist pad and shoulder pads constructed of an outer shell material and incorporating a closed-cell foam design to minimize water absorption. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The harness assembly shall consist of a one size black para-aramid strap with two red stripes along the outer edges and a reflective stripe in the center. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The harness assembly shall include a seat-belt type waist belt attachment. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> This harness assembly shall include box-stitched construction with no screws or bolts. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The harness assembly shall be easily removable from the backframe without the use of tools. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The harness assembly shall be machine washable to help reduce contamination. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The harness assembly shall accommodate a waist belt extension. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

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| <ul style="list-style-type: none"> The waist pad shall be attached to the backframe such that movement by the wearer provides natural articulation. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The waist pad and belt shall freely wrap around and conform to the wearers' hips. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The shoulder harness shall be fitted with a Drag Rescue Loop (DRL) capable of being deployed in an emergency situation to drag a downed firefighter to safety. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The Drag Rescue Loop (DRL) shall be sewn into the shoulder harness assembly and rated for a minimum of 1000 lbs pull strength. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The Drag Rescue Loop (DRL) shall be stored in a manner to prevent accidental snag, but maintain accessibility with gloved hands. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The shoulder harness shall be attached to the backframe such that the harness presents itself for ease of donning. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The shoulder harness shall include reflective material to enhance the visibility of the wearer in low-light conditions. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The shoulder harness shall accommodate a chest strap attachment. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The shoulder harness shall accommodate a mounting clip for attachment of a handheld radio remote speaker microphone. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Product: | | | |
| <i>Rapid Intervention Crew / Universal Air Connection (RIC/UAC)</i> | Meets | Does Not Meet | Exception |
| <ul style="list-style-type: none"> The SCBA shall incorporate a RIC/UAC fitting to be compliant with the 2018 edition of the NFPA 1981 Self-Contained Breathing Apparatus standard. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The RIC/UAC shall be an integral part of the pressure reducer and protected by the backframe. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The RIC/UAC inlet connection shall be within 4" (4-inches) of the tip of the CGA threads of the cylinder valve. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> 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. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The self-resetting relief valve shall be color-coded to identify pressure rating of the SCBA. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

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| <ul style="list-style-type: none"> The RIC/UAC shall have a check valve to prevent the loss of air when the high-pressure air source has been disconnected. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Product: | | | |
| Cylinder | Meets | Does Not Meet | Exception |
| <ul style="list-style-type: none"> The cylinder threads shall be straight with an O-ring or quad-ring gasket type seal. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> 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. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> 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. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> No adjustment shall be necessary during the life of the valve. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> If the SCBA is equipped with a CGA cylinder connection, the cylinder valve outlet shall be a modification of the Compressed Gas Association (CGA) standard threaded connection number 346 for breathing air for 2216 and CGA 347 for 4500 and 5500 systems. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> If the SCBA is equipped with a Snap-Change Cylinder connection, the cylinder valve shall be designed with a patented stainless steel quick connect snout that delivers air directly to the first stage pressure-reducing regulator. The quick connect snout shall be an integral part of the cylinder valve, rather than an adapter that threads onto the CGA fitting. | <input checked="" type="checkbox"/> | <div>- Does not meet</div> | |
| <ul style="list-style-type: none"> If the SCBA is equipped with a Snap-Change Cylinder connection, the cylinder valve shall be offered with a CGA 346 or CGA 347 fitting for the purposes of filling the cylinder only. | <input checked="" type="checkbox"/> | | |
| <ul style="list-style-type: none"> If the SCBA is equipped with a Snap-Change Cylinder connection, the fill fitting shall have a check valve to prevent flow from the cylinder. | <input checked="" type="checkbox"/> | | |
| <ul style="list-style-type: none"> If the SCBA is equipped with a Snap-Change Cylinder connection, the fill fitting shall be provided with a dust cover to protect threads from damage and prevent interior surfaces from being contaminated when not in use. | <input checked="" type="checkbox"/> | | |
| <ul style="list-style-type: none"> If the SCBA is equipped with a Snap-Change Cylinder connection, the dust cover shall be retained to the cylinder valve. | <input checked="" type="checkbox"/> | | |
| <ul style="list-style-type: none"> 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. | <input checked="" type="checkbox"/> | <div>- ?</div> | |
| <ul style="list-style-type: none"> The cylinder valve shall have an RFID tag molded into the elastomeric bumper with a universal RFID marking embossment. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

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| <ul style="list-style-type: none"> The RFID tag shall be capable of storing product specific information, including serial number, manufacture date, hydrostatic test date, pressure rating, life expectancy, and fill logs. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The SCBA shall maintain all NIOSH and NFPA standards with any of the following types of cylinders listed as provided by the SCBA manufacturer. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Carbon-Wrapped | | | |
| <ul style="list-style-type: none"> The cylinder shall be manufactured in accordance with DOT specifications and meet the Transport Canada requirements with working pressures of 2216, 4500, or 5500 psig. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> 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. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The cylinder shall have a 2D barcode located under the protective gel coat programmed with the following information, at a minimum: serial number, manufacture date, and hydrostatic test date. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The cylinder shall be available in a 30-minute, 45-minute, 60-minute or 75 minute duration based on the NIOSH breathing rate of 40 liters per minute (lpm). | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The cylinder shall be available in an approved 30-year life design as defined by the DOT Special Permit 14232. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | Product: | | |
| Warranty | Meets | Does Not Meet | Exception |
| <ul style="list-style-type: none"> The unit shall be covered by a warranty providing protection against defects in materials or workmanship. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> This warranty shall be for a period of 15 years on the SCBA and the pressure reducer. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> This warranty shall not have any exclusions other than consumables and carrying cases. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> This warranty shall not require a registration in order to activate. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> This warranty shall not be contingent upon completing mandatory overhaul or recommended preventative maintenance. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | Product: | | |
| Personal Alert Safety System with Firefighter Locator | Meets | Does Not Meet | Exception |
| <ul style="list-style-type: none"> The PASS Device shall be compliant to the NFPA 1982, 2018 Edition Standard on Personal Alert Safety Systems. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

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| <ul style="list-style-type: none"> Operation of this distress alarm shall be initiated with the opening of the valve of an SCBA charged cylinder. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The system shall feature a "hands-free" re-set capability that may be activated by means of a slight movement of the SCBA when the system is in a pre-alarm mode. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The system shall operate from a single power source. | <input checked="" type="checkbox"/> | <div>- HUD?</div> <div>- Spiropulse included?</div> | |
| <ul style="list-style-type: none"> The battery life of the SCBA with PASS only shall be no less than 200 hours. | <input checked="" type="checkbox"/> | | |
| <ul style="list-style-type: none"> The system shall have a battery check function that provides an LED indication of battery status while the SCBA is not pressurized. | <input checked="" type="checkbox"/> | | |
| <ul style="list-style-type: none"> 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. | <input checked="" type="checkbox"/> | | |
| <ul style="list-style-type: none"> 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. | <input checked="" type="checkbox"/> | | |
| <ul style="list-style-type: none"> The system shall utilize a 2.4 GHz signal to provide the best path to a "downed" firefighter. | <input checked="" type="checkbox"/> | | |
| <ul style="list-style-type: none"> The locating system shall be programmable with eight alpha-numeric characters to provide identification information. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The PASS device shall contain two components: a Console and a Sensor Module. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> When the PASS device goes into pre-alarm, the user shall be notified through a distinct light pattern in the regulator-mounted HUD display. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Console | | | |
| <ul style="list-style-type: none"> The console shall contain an integral edge lit mechanical pressure gauge that is automatically turned on by opening the cylinder valve. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> 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. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The console shall contain a photo sensing diode to dim and brighten the HUD as the ambient lighting changes. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

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| • The console shall contain an integrated RFID tag. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| • The console shall contain push buttons for user interface. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| • The push buttons shall be designed to minimize accidental activation. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| • A push button shall permit system re-set. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| • A push button shall permit manual activation of the full alarm mode. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| • The console shall be equipped with a LED "External HUD" allowing others to determine the wearer's cylinder pressure through the same color-code scheme as the regulator-mounted HUD. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| • A green LED shall be illuminated across the gauge face to indicate a cylinder with greater than half cylinder pressure. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| • A yellow LED shall be illuminated across the gauge face to indicate a cylinder with less than half cylinder pressure. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| • A red LED shall be illuminated across the gauge face to indicate a cylinder with less than one-third cylinder pressure. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sensor Module | | | |
| • The system shall include a sensor module mounted to the SCBA backframe in a manner designed to protect the assembly from damage. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| • The sensor module shall contain a motion sensor that is sensitive to user movement to reduce false activations. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| • The sensor module shall contain redundant, dual sound emitters for the audible alarm and dual visual "buddy" indicators. | <input checked="" type="checkbox"/> | <div style="background-color: yellow; padding: 10px; border: 1px solid black;"> <i>Is Spirolink included?</i> </div> | |
| • The sensor module sound emitters shall be oriented in multi-directions for optimal sound projection. | <input checked="" type="checkbox"/> | | |
| • The sensor module sound emitters shall broadcast a unique alarm tone for the following conditions: Pre-alarm PASS, Full-alarm PASS, EVAC, System Integrity, PAR, and Low-battery. | <input checked="" type="checkbox"/> | | |

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| <ul style="list-style-type: none"> The visual indicators on the backframe mounted sensor module shall flash green during normal operation. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The visual indicators shall flash red when the device is in pre-alarm and full-alarm. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The visual indicators shall flash orange when the SCBA has reached one-half cylinder pressure. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The visual indicators shall flash a combination of red, green, and white when the SCBA has reached one-third cylinder pressure. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The sensor module shall have a Bluetooth chip set integral to the unit to provide wireless connectivity to external devices. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Optional Components | Product: | | |
| <i>Personal Alert Safety System with Accountability</i> | Meets | Does Not Meet | Exception |
| <ul style="list-style-type: none"> The PASS Device shall be compliant to the NFPA 1982, 2018 Edition Standard on Personal Alert Safety Systems. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> Operation of this distress alarm shall be initiated with the opening of the valve of an SCBA charged cylinder. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The system shall feature a "hands-free" re-set capability that may be activated by means of a slight movement of the SCBA when the system is in a pre-alarm mode. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The system shall have a battery check function that provides an LED indication of battery status while the SCBA is not pressurized. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> 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 or equivalent. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> 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 or equivalent. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The system shall utilize a 2.4 GHz signal to provide the best path to a "downed" firefighter. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The locating system shall be programmable with eight alphanumeric characters to provide identification information. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The system shall transmit user status information at a frequency of 2.4 GHz on a self-healing mesh network system that when deployed allows each energized SCBA to function as a repeater ensuring system connectivity. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

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| <ul style="list-style-type: none"> The system shall provide bi-directional communications between command and SCBA wearer. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The communication shall contain: the user's name or ID, cylinder pressure, PASS alarms, PASS Acknowledgement, evacuation status, evacuation acknowledgement, Withdraw status, Withdraw acknowledgement, System status, and Electronic PAR status, | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The PASS device shall contain two components: a Console and a Sensor Module. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> When the PASS device goes into pre-alarm, the user shall be notified through a distinct flashing light pattern in the regulator-mounted HUD display. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Console | | | |
| <ul style="list-style-type: none"> The console shall be located on the user's right shoulder harness. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The control console shall come with a mechanical (analog) pressure gauge that is angled at 30°. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The console shall contain an integral edge lit mechanical pressure gauge that is automatically turned on by opening the cylinder valve. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> 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. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The console shall also include icons to indicate Range Status, Evacuation, Withdraw (self-evacuation), ePAR, and when the system is ready to receive the user's ID through an RFID card. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The console shall contain a photo sensing diode to dim and brighten the HUD as the ambient lighting changes. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The console shall contain an integrated RFID tag. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The console shall contain push buttons for user interface. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The push buttons shall be designed to minimize accidental activation. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> A push button shall permit system re-set. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

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| <ul style="list-style-type: none"> • A push button shall permit manual activation of the full alarm mode. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> • A push button shall permit the activation of the withdraw mode. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> • The console shall be equipped with a LED "External HUD" allowing others to determine the wearer's cylinder pressure through the same color-code scheme as the regulator-mounted HUD. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> • A green LED shall be illuminated across the gauge face to indicate a cylinder with greater than half cylinder pressure. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> • A yellow LED shall be illuminated across the gauge face to indicate a cylinder with less than half cylinder pressure. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> • A red LED shall be illuminated across the gauge face to indicate a cylinder with less than one-third cylinder pressure. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sensor Module | | | |
| <ul style="list-style-type: none"> • 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. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> • The sensor module shall contain a motion sensor that is sensitive to user hip movement to reduce false activations. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> • The sensor module shall contain redundant, dual sound emitters for the audible alarm and dual visual "buddy" indicators. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> • The sensor module sound emitters shall be oriented in multi-directions for optimal sound projection. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> • The sensor module sound emitters shall broadcast a unique alarm tone for the following conditions: Pre-alarm PASS, Full-alarm PASS, EVAC, System Integrity, ePAR, and Low-battery. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> • The visual indicators on the backframe mounted sensor module shall flash green during normal operation. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> • The visual indicators shall flash red when the device is in pre-alarm and full-alarm. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> • The visual indicators shall flash orange when the SCBA has reached one-half cylinder pressure. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

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|--|-------------------------------------|--------------------------|--------------------------|
| <ul style="list-style-type: none"> The visual indicators shall flash a combination of red, green, and white when the SCBA has reached one-third cylinder pressure. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The sensor module shall have a Bluetooth chip set integral to the unit to provide wireless connectivity to external devices. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | |
| Product | | | |
| Emergency Breathing Support System "Buddy Breathing" | Meets | Does Not Meet | Exception |
| <ul style="list-style-type: none"> The Optional Dual Emergency Breathing Support System (EBSS) shall be approved to NIOSH 42CFR, Part 84 and NFPA 1981, 2018 Edition. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The Dual EBSS shall have one of each of the following requirements; (1) a manifold with one 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. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The Dual EBSS shall be positioned on the wearer's right side and shall be capable of allowing for six feet of hose between like systems. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The manifold shall be made of aluminum and be anodized black. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The female socket and male plug shall have spacing, no less than 15° off-center. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The female socket shall have a double action to disengage, noted as a "push-in/pull-back". | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The female socket shall have an internal check valve. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The male plug shall have an external check valve. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The hose shall be made of high temperature rubber capable of sustaining a maximum 250 psig of pressure. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> The containment system shall include a pouch and shall be made of para-aramid materials and shall be capable of storing 36" of hose. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| | | | |
|---|-------------------------------------|--------------------------|--------------------------|
| • The pouch shall be attached to the SCBA by snap fasteners. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| • The pouch shall have a pull-strap to assist with opening of the flap and gaining access to the hose and manifold assembly. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| • The pouch shall be marked "EBSS" and be constructed of reflective material. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| • The pouch shall be removable from the backframe without the use of tools. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| • The Dual EBSS shall have provision for connection of a supplied airline for extended duration use while reserving the cylinder supply for egress. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| • The Dual EBSS shall connect to a supplied airline using an extended duration airline adapter. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| • The extended duration airline adapter shall have a female quick connect fitting on one end to connect to the Dual EBSS. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| • The extended duration airline adapter shall have a male quick connect fitting on one end to connect to a supplied airline. The adapter shall be able to accommodate Hansen, Foster, Hansen HK, or Schrader. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| • The extended duration airline adapter shall have a check valve to prevent the accidental loss of air when the adapter is disconnected from the supplied airline. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | Product: | | |
| <i>Electronic Voice Amplifier</i> | Meets | Does Not Meet | Exception |
| • The respirator shall have a voice amplification device to electronically project the user's voice. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| • 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. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| • The device shall contain a momentary on/off switch with a tactile indication and audible click when depressed. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| • The switch shall be covered with a sheath made of a silicone material. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| • 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. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| | | | |
|---|-------------------------------------|--------------------------|--------------------------|
| • The device shall provide audible tones to indicate that the system has been energized, de-energized and to provide a low battery indication. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| • The device shall be powered by batteries, which shall provide no less than 50 hours of continuous operation with fully-charged batteries. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| • The batteries shall be contained in a gasket sealed compartment secured in place by means of a fastener. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| • The door of the battery compartment shall be user-replaceable. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| • The device shall contain an automatic shutdown function that de-energizes the voice amplifier approximately 20 minutes after the last time the user speaks. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| • Designed to conserve battery life when a user forgets to turn off the voice amplifier, the voice amplifier shall be reactivated after shutdown by pressing the on/off switch. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| • The amplifier shall contain a custom speaker designed for pushing sound through background noises commonly found at emergency events. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| • The device shall not feedback for longer than 1 second when worn in a Level A HazMat suit. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| • The device shall be able to provide a minimum STI score of 0.65, even though NFPA minimum requirement is 0.60. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| • The voice amplifier, when attached to a facepiece, shall be able to withstand a 30 minute tumble test. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| • A single voice amplifier shall be able to withstand eight, 6 foot drops, once on each side and on two edges. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| • The voice amplifier shall be able to withstand a 30 minute tumble test not attached to the facepiece. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Additions to above specifications:

1. The City of Green employs 44 response firefighters. Each firefighter shall be supplied with his own fitted mask and blue tooth capable voice amplifier (if applicable).
2. Three (3) RIT packs shall be provided with sixty (60) minutes cylinders and all applicable adapters.


3. Training shall be provided for three (3) firefighters to become certified technicians capable of working on any portion of the SCBA.
4. All software and equipment shall be provided for the trained firefighters to be able to use a posicheck system for bench testing
5. Corrective lens adapters shall be provided to firefighters that require corrective lens frames.
6. If rechargeable batteries are used in the SCBA, chargers and spare batteries shall be provided

BID FORM

Total Bid

\$ 264,000

Respectfully submitted:

 (OLOF RYLANDER)
Signature

Director of Sales

Title

10225 82nd Ave. Pleasant Prairie, WI

Address

6/4/2018

Date

N/A

License Number (if applicable)

(SEAL - if Bid is by a corporation)

ATTEST:


(DANIEL AMBROWIAK)

Exceptions

Exception 1.

Interspiro is using a wireless HUD technology to get rid of HUD cable failures, so there is no HUD Connection.

Exception 2.

Interspiro is not using pull-rings, instead the quick connector is secured with a sleeve and by a pin that activates when the system is pressurized.

Exception 3.

Interspiro attaches the regulator on to the cylinder valve to eliminate high pressure hose exposures.

Exception 4.

Interspiro does not have a backup regulator, instead the regulator fails open which would cause the mask to free flow. The same regulator technology is used on the Interspiro SCUBA sets used by the US Navy divers for cold water diving, which is probably the toughest environment a regulator can be in.

Exception 5.

Interspiro uses wireless technology to its HUD, which eliminates cable failures and makes it very easy to replace a HUD if needed, but wireless technology requires batteries in the HUD.

Exception 6.

Interspiro stopped using aluminum in the backfram about 25 years ago. Today Interspiro is using a light weight high tech glass fiber filled polyamid material for the backframe.

SCHEDULE

CONTRACT DOCUMENTS

Communications concerning this bid shall be addressed to:

Olof Rylander

The address of Bidder indicated below, or,

To the following address:

10225 82nd Avenue,

Pleasant Prairie, WI

Phone Number: 262-496-6919

Fax Number: 262-947-9902

SIGNATURE

The Bidder shall fill out the appropriate type of firm and strike out the others.

If Bidder is:

An Individual

By _____ (individual's name) (SEAL)

doing business as _____

Business address: _____

Phone No.: _____ Date: _____

A Partnership

By _____ (firm name) (SEAL)

_____ (general partner)

Business address: _____

Phone No.: _____ Date: _____

SIGNATURE (CONT.)


A Corporation

By Interspiro Inc (SEAL)
(corporation name)

Connecticut
(state of incorporation)

By Olof Rylander (SEAL)
(name of person authorized to sign)

Director of Sales
(title)

Attest  (DANIEL AMBROWIAK) (CORPORATE SEAL)
(secretary)

Business Address 10225 82nd Avenue
Pleasant Prairie, WI

Phone No.: 262-947-9901 Date: 6/4/2018

A Joint Venture

Name: _____

Address: _____

Phone No.: _____ Date: _____

Name: _____

Address: _____

Phone No.: _____ Date: _____

(Each joint venturer must sign. The manner of signing for each individual, partnership and corporation that is a party to the joint venture should be in the manner indicated above.)

APPENDIX 1 NAME OF CONTRACT SURETY

The sureties who will sign the Performance and Payment Bond is:

**Travelers Casualty and Surety Company of America
One Tower Square
Hartford CT 06183**

APPENDIX 2



To:

Finance Director's Office
City Administration Building

1755 Town Park Blvd.
Green, OH 44232-0278

Date: 6/5/2018

From: O.
Rylander

Delivery: TBD

Terms: Net 30

Shipping: Free

Ship
to:

To be decided

Note: Quote valid for 60 days

Quantity to be Purchased

| Item | Qty | Description | Part Number | Price per unit | Price Extended |
|--------|-----|--|-------------|----------------|----------------|
| 1 | 44 | Spiromatic S8 SCBA HP- Includes: Quick Connect Regulator unit and Buddy Breather NO MASK, NO CYLINDER | 33671-100 | \$1,939.00 | \$85,316.00 |
| 2 | 88 | S8 Mask w/ Breathing Valve & HUD - Large | 33802-711 | \$540.00 | \$47,520.00 |
| 3 | 88 | 45-minute SuperLight Carbon Fiber Cylinder w/Quick Disconnect | 99695-01QC | \$708.00 | \$62,304.00 |
| 4 | 88 | SpiroCom BT - Mask to mask communication unit | 30920-1200C | \$682.00 | \$60,016.00 |
| 5 | 3 | RIT bag with 60 min Quick Connect Cylinder and Revitox mask | 31644-01 | \$2,394.00 | \$7,182.00 |
| 6 | 1 | Spectacle Kit | 336890493 | \$80.00 | \$80.00 |
| 7 | 1 | User Training (3 days) | npn | no charge | no charge |
| 8 | 1 | Service Class (one class, up to 8 students) | npn | no charge | no charge |
| 9 | 1 | S8 Tool Kit | 32150-01 | no charge | no charge |
| 10 | 1 | SpiroCheck - Posicheck manifold and sw | 31164-01 | \$1,582.00 | \$1,582.00 |
| Total: | | | | \$264,000.00 | |