COMMISSIONER
BOARD MEETING

December 30, 2019
Fire District 7 Station 31 Training Room

SNOHOMISH COUNTY FIRE DISTRICT #7
WASHINGTON

AGENDA

Lake Stevens Fire
1825 South Lake Stevens Road
Lake Stevens, WA 98258
(425) 334-3034
www.LSfire.org

Snohomish County Fire District 7
163 Village Court
Monroe, WA 98272
(360) 794-7666
www.Snofire7.org

BOARD OF FIRE COMMISSIONERS JOINT MEETING AGENDA
LAKE STEVENS FIRE / FIRE DISTRICT 7

Fire District 7 Station 31 Training Room
163 Village Court, Monroe, WA 98272

December 30, 2019 1730 hours

CALL TO ORDER

ATTENDANCE

PLEDGE OF ALLEGIANCE

GENERAL PUBLIC COMMENT

GOOD OF THE ORDER
Thank you to Commissioner Wells for her service

UNION COMMENT
IAFF
Teamsters

CHIEF'S REPORT

CONSENT AGENDA
Approve Vouchers
Benefit Vouchers: to be provided at meeting
AP Vouchers: to be provided at meeting

Approve Payroll
December 31, 2019; to be provided at meeting

Approval of Minutes
Approve Regular Board Meeting Minutes – December 12, 2019

Secretary's Report on Correspondence

DISCUSSION ITEM
Physician Contracts

ACTION ITEM
Resolution 2019-23 Create an Excise Tax Fund
SCBA Replacement
Oath District Secretary
Commissioner Oaths of Office – Waugh and Edwards

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COMMISSIONER COMMITTEE REPORTS
Joint Fire Board with Mill Creek (Fay / Woolery / Waugh)
Finance Committee (Waugh / Wells / Snyder)
Policy Committee (Wells / Woolery / Schaub)
Risk Management (Schaub)
Labor/Management (Waugh / Wells / Fay)
Impact Bargaining – IAFF Local 2781 (Waugh, Wells, Fay)
Impact Bargaining – Teamsters (Wells)
Shop Committee – (Snyder / Woolery / Fay)
Strategic Plan Committee – (Fay / Schaub / Wells)
Capital Facilities Committee - (Schaub / Snyder / Woolery)

OTHER MEETINGS ATTENDED
Snohomish County 911 (Waugh)
Regional Coordination
Leadership Meeting (Fay / Schaub / Wells)
Sno-Isle Commissioner Meeting: Annual installment banquet February 1, 2020, 1930 at Shawn O'Donnells

ATTENDANCE CHECK
5:30pm Thursday, January 9 2020 at the Fire District 7 Station 31 Training Room in Monroe

EXECUTIVE SESSION
Employee Performance Review per RCW 42.30.110.1(g)

ADJOURNMENT

FIRE CHIEF REPORT

Finance Officer's Report:

- We received our final GEMT payment for the year in the amount of $2,101,671 for the 2018 state fiscal year. The total GEMT revenues collected this year amount to $6,965,680.

- We are requesting that the Board approve the creation of an Excise Tax fund as provided in the 2020 budget. The purpose of this fund is to accumulate sales and excise taxes owed to the state, and to make the payments owed to the state from this fund.

- The tables below show the number of transports, gross transport revenues, and MVC revenues, billed by Systems Design during the month of November 2019, and during the same month for each of the 2 previous years.

Systems Design No. of Transports Billed for District 7	2019	2018	2017
November	342	359	391
Systems Design Transport Revenues for District 7	**2019**	**2018**	**2017**
November	$167,314	$223,083	$216,585
Systems Design MVC Revenues for District 7	**2019**	**2018**	**2017**
November	$0	$4,945	$500

- Below is a comparison of the District's year to date expenditures for all funds combined through the month of November for 2017, 2018, and 2019, and the percent of the budgets spent. For additional details on the 2019 expenditures please refer to the upcoming quarterly report.

Expenditure Comparison - All Funds			
Expenditures	2019	2018	2017
November	$ 40,931,789	$39,091,096	$35,631,745
% of Total Budget Spent	2019	2018	2017
November	74%	81%	84%

- Below is a comparison of the District's year to date revenues and expenditures for the General Fund through the month of November in 2017, 2018, and 2019, and the percent of the corresponding budgets.

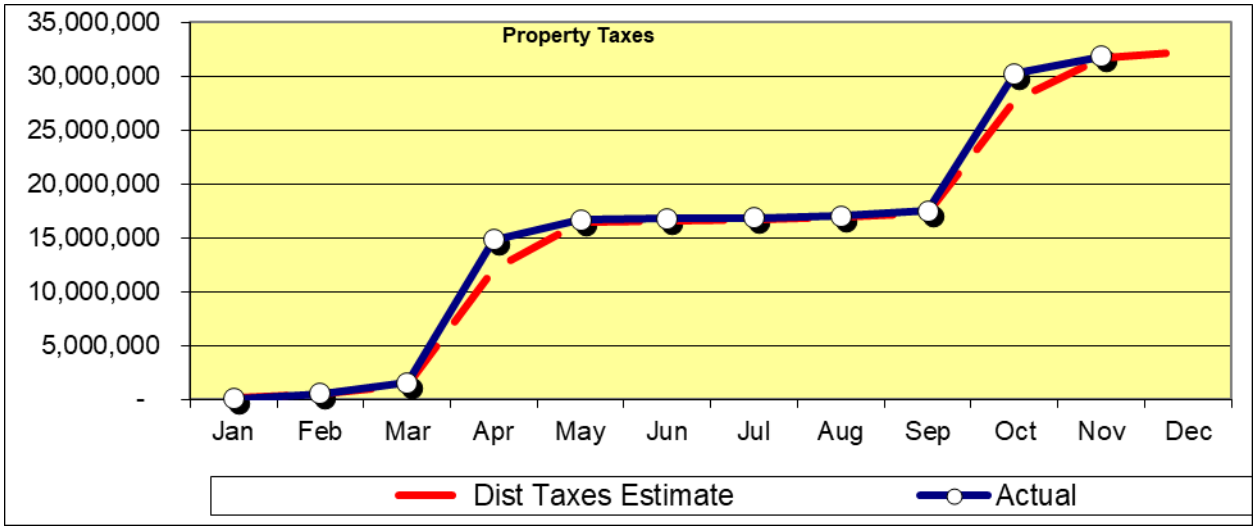
Revenue Comparison - General Fund			
Revenues	2019	2018	2017
November	$ 42,413,042	$36,644,348	$32,314,820
% of Total Budgeted Revenues Received	2019	2018	2017
November	93%	98%	101%

Expenditure Comparison - General Fund			
Expenditures	2019	2018	2017
November	$ 33,643,018	$30,407,686	$28,872,394
% of Total Budget Spent	2019	2018	2017
November	75%	82%	87%

- Below is a comparison of the combined year to date property tax collected through September of 2017, 2018, and 2019. These include General Fund Regular, EMS, M&O as well as property taxes collected in the Bond Fund.

Revenue Comparison - Property Taxes			
Regular, EMS, M&O, and Bond Fund	2019	2018	2017
November	$ 31,794,115	$30,639,383	$ 26,226,586
% of Property Taxes Collected	2019	2018	2017
November	101%	100%	101%

- Below is a chart showing the 2019 year to date property tax collections as compared with expected collections.

- 
Property Taxes
35,000,000
30,000,000
25,000,000
20,000,000
15,000,000
10,000,000
5,000,000
-
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Dist Taxes Estimate
Actual

CONSENT AGENDA

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BOARD OF FIRE COMMISSIONERS JOINT MEETING MINUTES
LAKE STEVENS FIRE / FIRE DISTRICT 7

Fire District 7 Station 31 Training Room
163 Village Court, Monroe, WA 98272

December 12, 2019 1730 hours

CALL TO ORDER

Chairman Elmore and Chairman Waugh called the meeting to order at 1730 hours.

PLEDGE OF ALLEGIANCE

ATTENDANCE

Present for LSF: Chairman Elmore, Vice Chair Steinruck, Commissioner Gagnon, Chief O'Brien, Deputy Chief Huff, Deputy Chief Messer, Director of Finance & Administration Leah Schoof, and Communications Director/District Secretary Laana Larson.

Present for Fire District 7: Chairman Waugh, Vice Chair Snyder, Commissioner Schaub, Commissioner Fay, Commissioner Wells, Chief Meek, Assistant Chief Silva, Assistant Chief Guptill, CFO Camille Tabor, Public Information & Education Officer Heather Chadwick, and various members from the District

Excused absence: Commissioner Woolery and Vice Chair Snyder.

FIRE DISTRICT 7 REGULAR BUSINESS

UNION COMMENT

IAFF
Teamsters
President McConnell thanked the staff and negotiating team for meeting with them regarding the merger impacts and they look forward to the blending of a new organization, while honoring the history and legacy of each organization. He congratulated both Chief Meek and Chief Andrews on their great careers with fire service, a great example for all of us.

Community Resource Paramedic

Chief O'Brien commented he is happy to introduce Dave Hanson as our new Community Resource Paramedic and thanked Dave for stepping up into this role.

CRP Dave Hanson introduced his wife Kimberly, and children Lily, Travis, and Elias. He commented it is important to have their support in this new role and he wanted to acknowledge them. He started out as a resident in 2001; he was hired as career in 2003, and went to Harborview Paramedic school in 2006. He appreciates the support of this department; and he is excited about this new role. The goals are to improve the health of the patient; improve the health of the community; and reduce healthcare costs. It's a challenge to help patients find the necessary resources and he commented he is up for the challenge. He appreciates the opportunity.

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CONSENT AGENDA

Approve Vouchers
Benefit Vouchers: 19-02940 - #19-02947; ($529,534.14)
AP Vouchers: #19-02948 - #19-03074; ($447,102.63)

Approve Payroll
December 15, 2019; $765,006.23

Approval of Minutes
Approve Regular Board Meeting Minutes – November 25, 2019

Secretary's Report on Correspondence

Motion to approve Consent Agenda as submitted.
Motion by Commissioner Shaub and 2nd by Commissioner Wells.
Vote Passed, all in favor.

DISCUSSION ITEM
None

ACTION ITEM
None

COMMISSIONER COMMITTEE REPORTS
Joint Fire Board with Mill Creek (Fay / Woolery / Waugh)
Finance Committee (Waugh / Wells / Snyder)
Policy Committee (Wells / Woolery / Schaub)
Risk Management (Schaub)
Labor/Management (Waugh / Wells / Fay)

Impact Bargaining – IAFF Local 2781 (Waugh, Wells, Fay)
Impact Bargaining – Teamsters (Wells)
Chief Meek commented we've come to a tentative agreement and we will discuss this further in executive session. He thanked both sides for working through this.

Shop Committee – (Snyder / Woolery / Fay)
Strategic Plan Committee – (Fay / Schaub / Wells)
Capital Facilities Committee - (Schaub / Snyder / Woolery)

OTHER MEETINGS ATTENDED
Snohomish County 911 (Waugh)
Regional Coordination

Leadership Meeting (Fay / Schaub / Wells)
Commissioner Schaub commented he appreciated the Leadership Meeting earlier this week. We had great attendance and we honored Chief Meek.

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Sno-Isle Commissioner Meeting
Chairman Waugh thanked Chief Silva for his work with the food preparation at the Sno-Isle Meeting.

Commissioner Wells commented she appreciated the comprehensive presentation from Kelly Fox from EMS Council and Dr. Cooper. The Sno-Isle Banquet is scheduled for February 1 and the next meeting will be in March. Our new president will be Randy Fay - congratulations!

LAKE STEVENS FIRE REGULAR BUSINESS

ADDITIONAL AGENDA ITEMS
None

MINUTES
Minutes 19-11-16
Minutes 19-11-25

Motion to approve November 16 and November 25, 2019 Commissioner Meeting minutes as submitted.
Motion by Vice Chair Steinruck and 2nd by Commissioner Gagnon.
Vote Unanimous.

FINANCIAL REPORT
Vouchers

Motion to approve Expense Vouchers 191201001 through 191201029 dated December 12, 2019 in the total amount of $80,909.24 as submitted.
Motion by Commissioner Gagnon and 2nd by Vice Chair Steinruck.
Vote Unanimous.

Motion to approve Expense Vouchers 191203001 through 191203027 dated December 13, 2019 in the total amount of $170,222.78 as submitted.
Motion by Chairman Elmore and 2nd by Commissioner Gagnon.
Vote Unanimous.

Motion to approve Capital Replacement Voucher 191202001 dated December 12, 2019 in the total amount of $62,853.57 as submitted.
Motion by Vice Chair Steinruck and 2nd by Commissioner Gagnon.
Vote Unanimous.

Motion to approve Capital Replacement Voucher 191204001 dated December 13, 2019 in the total amount of $1,274.61 as submitted.
Motion by Commissioner Gagnon and 2nd by Chairman Elmore.
Vote Unanimous.

Motion to approve Strategic Fund Voucher 191205001 dated December 13, 2019 in the total amount of $8,569.50 as submitted.
Motion by Vice Chair Steinruck and 2nd by Commissioner Gagnon.
Vote Unanimous.

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Expense Line Item Review Summary & Reports
Director of Finance & Administration Leah Schoof commented we have three additions to the line item review summary report and please let us know if there are any questions.

Audit Update
Director of Finance & Administration Leah Schoof commented the auditor issued a good clean audit for the 2018 Financial Audit. We still have the Accountability Audit for 2018 and 2019; and one more Financial Audit for 2019; and we expect them to be done during the first quarter of 2020.

CORRESPONDENCE
None

OLD BUSINESS
Discussion
Merger with Fire District 7
Chief O'Brien thanked District 7 for the warm welcome, and he thanked the entire staff for moving. Chief Silva, Brandon Vargas and Mike Frymire have worked so hard to get us moved in. He also thanked the crews for working through this with everyone. Chief O'Brien also thanked Chief Guptill and our IT team for assisting with the move.

HQ Closing
Chief O'Brien commented we are in the process decommissioning the HQ building in Lake Stevens; and our closing date is at the end of the month.

Action
Station 84
PUD Easement Agreement
Chief O'Brien commented this is an easement that PUD is asking for on 20th, and we are seeking approval on the agreement. The proposed Easement Agreement is to relocate power lines on the Station 84 property. Thank you to Chief Messer for his hard work on this.

Motion to authorize the Chief to sign the PUD Easement Agreement as submitted.
Motion by Chairman Elmore and 2nd by Vice Chair Steinruck.
Vote Unanimous.

NEW BUSINESS
Discussion
None

Action
None

CHIEF'S REPORT
Fire Works Ordinance passed by the County Council on 12.5.19
Fire District 7 Team spoke and represented, including Commissioner Shaub, Fire Marshal Fitzgerald, Assistant Chief Dorsey, and Chief O'Brien.

Tips for Firefighters Update – Friday 12.6.19 at Ixtapa
Thank you Firefighter Adam Blue for coordinating this event and thank you to all the firefighters who attended and helped. Special thanks to Francisco and Emma Barajas and their family for hosting at Ixtapa.

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Dickens Fair Update - Saturday 12.7.19 at Cavelero Mid High School
Thank you to Firefighter Lars Lian and Firefighter Liam Shelley, along with Intern Atira Roberts for representing Lake Stevens Fire.

Winterfest Update 12.7.19
Thank you to D Shift for their support at the tree lighting downtown Lake Stevens. We appreciate the great partnership with Police Chief John Dyer to deliver Santa.

Logistics Assistant Interviews 12.9 – 12.12
Thank you to Kendra and Pamella for coordinating these interviews. Chief Meek, Chief Silva and Chief O'Brien interviewed three candidates.

Facilities Tour with Rice, Fergus, and Miller 12.10.19
This tour included all facilities in the New District. Dave Fergus is developing a scope of work to create a comprehensive Capital Facility Plan. Thank you to Chief Silva and Chief Messer for their work with this.

Leadership Meeting 12.11.19
- Team Building Exercise
- Turn the Ship Around
- Leader's Intent – Flight Plan
- New District Mission, Vision, Values, Goals, Objectives
- New District Naming Process
- News & Updates

American Red Cross Real Heroes Breakfast 12.12.19
The American Red Cross recognized Firefighter Chris Harrott for his actions with his team during a water rescue in Lake Stevens. Joining our table were Chris Harrott, Stephanie Harrott, Tanner Harrott, Commissioner Steinruck, Commissioner Waugh, Commissioner Fay, Ryan Lundquist, Larry Huff, Ron Rasmussen, Leah Schoof, and Chief O'Brien.

Fire Recruit Academy Graduation 12.19.19
Recruit School Class 2019-03
Graduation exercises will be held at the Everett Performing Arts Center.
Thursday, December 19, 2019 from 6pm – 8pm
Address: 2710 Wetmore Avenue, Everett, WA 98201

Kevin Brice Flag Lowering Ceremony 1.30.19
0745 hours at Fire District 7 Station 31

GOOD OF THE ORDER
Chairman Elmore thanked everyone for what they do, and commented he is looking forward to what is ahead in the new year.

Vice Chair Steinruck thanked everyone for their hard work; and commented he enjoyed the Real Heroes Breakfast this morning.

Commissioner Gagnon also thanked everyone for their hard work.

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JOINT MEETING BUSINESS

OLD BUSINESS DISCUSSION

Board Rules and Policies
No additional comment.

Merger Management Plan
Chief O'Brien commented we continue to move forward; and we have updated our New District Launch 2020. This document was built by the cultural integration team; and our vision is to be the best fire department in the world. Our priority is our mission, building the team, updating systems and processes.

In our Mission Statement we added "while being fiscally responsible."
In continuous improvement we added "with humility"
We also added some Guiding Values service, leadership, professionalism, family, and transparency.

This will be a bridge to our new strategic plan to help us start in 2020. It has been very collaborative and we appreciate everybody's work.

Name Work Group
Chief O'Brien distributed document with possible name options. This was discussed at the Leadership Team meeting earlier this week. We are still in the discussion phase, and eventually we will bring the Board some options for consideration.

Station 84 Sign
Chief O'Brien commented as we have worked through the purchase and preliminary design of Station 84, we asked our architect Frank Lawhead to develop a sign for the Station 84 property that would let our community know we plan to build a fire station. He thanked DC Messer and AC Silva for their work on this.

Commissioner Steinruck suggested we add to the signage "For more info call …" in case citizens have questions or concerns.

Community Resource Paramedic
This topic was addressed earlier at the beginning of the meeting.

NEW BUSINESS DISCUSSION

District Dispatching System
Chief O'Brien commented we want to take some time to present our District Dispatching System; we are always evaluating the ways we do business. The goal is to make sure we are accomplishing our mission in an efficient, effective, and thoughtful manner.

Chief Huff and Chief Dorsey gave a presentation on the District Dispatching System.

The purpose of this presentation is to walk you briefly through the dispatch system.

- 911 Call Assessment
- Preliminary Triage Medical CFS
- The EMD Protocol
- Sample call and how 911 can help the citizen through their emergency. It is a much more robust system with the increased amount of instruction they can provide.

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- CPP Overview – Answer to dispatch (median) January 2018 – August 2019
- Two Primary Dispatch Models; Rapid Dispatch or Accelerated/Standard
- Rapid Dispatch Sub Committee
- Rapid Dispatch vs. Standard (Departments)
- Plan

Snohomish 911 is more than happy to give you a tour if you are interested.

Chairman Waugh thanked Chief Huff and Chief Dorsey for the work that went into this presentation.

Additionally Chairman Waugh recognized Lundquist, Huff, and McConnell and the team who put together a response grid that we can now use for reference with our staffing plans. Thank you for all the work that went into this. It is amazing step forward for our department and our future.

New District Secretary
Chief O'Brien commented we want to have this on the agenda, and we have a recommendation for you to consider for next year.

Motion to appoint Leah Schoof as our new District Secretary. Motion by Commissioner Wells and 2nd by Commissioner Schaub. Vote Passed, all in favor.

Chairman Elmore thanked Chief Silva and Laana Larson for their services over the years as District Secretary.

New Board Chair and Vice Chair
Commissioner Wells suggested Commissioner Elmore and Commissioner Waugh to fill these positions for the new year.

Chairman Waugh asked the Board to consider this; and we can discuss it again at the next meeting.

Future Board Size
Chief O'Brien commented the proposed draft legislation crafted by Brian Snure addresses the issue of allowing a Board to increase in size. We have talked about increasing our Board size from 5-7.

Brian Snure commented we could get this to the Firefighters Legislative Committee to get it started; and asked if he should go ahead and forward this to Roger with the Fire Commissioners. The Board agreed to move forward with this.

District Physician Contract
Chief O'Brien commented we are working on the contracts for our District Physician. Given the increase in EMTs, paramedics and cases, we recommend that we retain both physicians. We will evaluate this throughout 2020 and determine whether this works best for us.

NEXT JOINT COMMISSIONER MEETING
5:30pm Monday, December 30 at the Fire District 7 Station 31 Training Room in Monroe

Vice Chair Steinruck and Commissioner Gagnon will be unable to attend on December 30. Lake Stevens Fire will reschedule their regular business meeting for December 23 at Station 82. Chairman Elmore will still plan to attend the December 30 meeting as well.

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EXECUTIVE SESSION

At 1845 hours Chairman Elmore called for an executive session to review the performance of a public employee pursuant to RCW 42.30.110 (1) (g); to discuss Labor Relations pursuant to RCW 42.30.140 (4) (a); and regarding contract settlement with contractor with counsel present pursuant to RCW 42.30.110 (1) (i) for 45 minutes with expected action to follow. Executive session included Chairman Elmore, Vice Chair Steinruck, Commissioner Gagnon, Chief O'Brien, Deputy Chief Huff, Director of Finance & Administration Leah Schoof, Legal Counsel Brian Snure, Chairman Waugh, Vice Chair Snyder, Commissioner Schaub, Commissioner Fay, Commissioner Wells, Chief Meek, and CFO Camille Tabor.

Chairman Waugh reconvened the open public meeting at 1930 hours and the meeting moved forward with the following motions.

Motion to agree to the MOU for the impact bargaining agreement as presented.
Motion by Commissioner Wells and 2nd by Commissioner Schaub.
Vote Passed, all in favor including both Fire District 7 and Lake Stevens Fire Commissioners.

Motion regarding the public contract with Allied, to allow Mitch to settle on the agreed amount.
Motion by Chairman Waugh and 2nd by Commissioner Wells.
Vote Passed, all in favor including Fire District 7 Commissioners.

ADJOURNMENT

Both Chairman Waugh and Chairman Elmore adjourned the meeting at 1932 hours.

Minutes respectfully submitted by Laana Larson, Communications Director/District Secretary.

Snohomish County Fire District #7

_____

Jamie Silva
Secretary of the Board

DISCUSSION ITEMS

AGREEMENT

THIS AGREEMENT, made and entered into this 1st day of January, 2020, by and between Snohomish County Fire District 7, hereinafter referred to as "District" and Catharine R. Keay, MD a licensed physician operating within Snohomish County, hereinafter referred to as "Physician".

RECITALS

WHEREAS, the District maintains an emergency medical services program; and

WHEREAS, it is necessary to provide to that program a Medical Supervising Physician who provides certain duties as provided below; and
WHEREAS, physician has special expertise in the area of emergency medical services;

AGREEMENT

NOW,THEREFORE, be it agreed that Catharine R. Keay, MD shall serve as the Medical Supervising Physician to Snohomish County Fire District 7 under the terms and conditions described herein.

1). DESCRIPTION OF PHYSICIAN'S DUTIES

A. Supervise and help implement continuing medical education with the specific goal being to maintain necessary and appropriate skill levels for Department BLS and ALS providers.

B. Assist and advise in developing standard policy, procedures, and protocol in the District.

C. Assist in developing strategies and plans to continually improve, standardize, and unify EMS in the District.

D. Supervise and assist in maintaining on going BLS and ALS recertification programs.

E. Analyze and recommend additional training skills and services which should be provided with consideration to the following:

- Availability of training
- Community need
- Facility and manpower availability
- Financial resources
- Adequate medical supervision

F. QA- Review BLS and ALS runs deemed necessary by the Medical Services Administrator, with written comments and returned to provider with follow-up using the ESO QM module.

G. Evaluate paramedic performance and recommend education, remedial training and pertinent medical considerations to the County Medical Program Director as necessary

H. Meet with the Fire Chief and Medical Services Administrator on a yearly basis concerning EMS issues and planning and recommend to the DISTRICT improvements in Emergency Medical Services

I. Analyze and recommend improvements in record keeping , including Medical Incident Reporting and accumulation of meaningful data relative to emergency medical services

J. Monitor and enhance coordination and relationships between the District's Emergency Medical Personnel and Hospital Medical Staff, including ER Physicians and nursing staff

K. Supervise ordering, dispensing and administering controlled substances in accordance with State and Federal regulations and guidelines

L. Provide liaison with the County and State governments pertaining to emergency medical services as requested by the Fire Chief

M. Act under the direct supervision of the Fire Chief and provide regular communications with the Fire Chief or designee regarding programs, services and medical policies relating to the position of Medical Supervising Physician

N. Assist the district in public relations pertaining to the District's emergency medical services program as requested by the Fire Chief or designee.

O. Represent the Department at quarterly Medical Control Meetings.

P. Provide such other and further services as are mutually agreed upon by the parties.

Q. Provide in person, or by qualified replacement, at least monthly, One (1), two (2) hour training session for the purpose of providing required continued medical education for Paramedic personnel.

2). DELEGATION OF DUTIES: Whenever the Physician because of absence from the area for a period longer than four weeks, is or would be unavailable to perform the duties and responsibilities of this contract, the Physician shall appoint a qualified replacement to perform and assume his/her contract duties and responsibilities in the Physician's

absence, all at no additional expense to the District. The Physician further agrees to provide reasonable advance notice to the Fire Chief or designee of such absences and appointments.

3). PHYSICIAN QUALIFICATIONS.

A. Physician must be a licensed practitioner in the state of Washington with appropriate clinical privileges in the specialty area of the Emergency Medicine.

B. Any suspension or loss of the above Physician qualification shall constitute automatic termination of this MDAS Agreement, without need for further notice.

4). RELATION OF PARTIES: The parties to this agreement agree that the Physician is a professional person and that the status of the Physician is one of an independent contractor. The Physician is not an employee of the District and is not entitled to the benefits provided by the District to its employees including, but not limited to, group insurance and pension plans. The Physician may practice his/her profession for others during those periods when he/she is not performing work under this agreement for the District.

5). DURATION: The term of this agreement shall be from **January 1, 2020 to December 31, 2020**. It is understood the District or the Physician may voluntarily terminate this contract without cause by providing thirty **(30)** days advance written notice to the other. It is further understood that this agreement may be renewed in writing on terms and conditions agreeable to both parties after notice by either party prior to the termination of this agreement.

6). COMPENSATION: The District agrees to pay physician the sum of **$3,000.00** per month for services as Physician of Emergency Medical Services as set forth in this agreement. Physician shall keep accurate records of the date and amount of time spent rendering services pursuant to this agreement. Physician shall invoice the District on a monthly basis for services provided the prior month and the District shall pay such invoices within 30 days of receipt.

7). PATIENT PRIVACY. Physician shall carry out Physician obligations under this Agreement in compliance with the privacy regulations pursuant to the Health Insurance Portability and Accountability Act and chapter 70.02 RCW the Washington Health Care Information Act (collectively referred to as “Privacy Acts,”) to protect the privacy of all patient protected health information ("PHI") as defined under the Privacy Acts that is collected, processed or learned as a result of the medical control services provided to the District by Physician.

8). ENTIRE AGREEMENT. This instrument contains the entire Agreement of the parties with respect to the subject matter contained herein. It may not be changed orally

but only by an Agreement in writing signed by the party against whom enforcement of any waiver, change, modification, extension, or discharge is sought.

Snohomish County Fire Dist 7	**PHYSICIAN**
Kevin O’Brien, Fire Chief	Catharine R. Keay, MD

AGREEMENT

THIS AGREEMENT, made and entered into this 1st day of January, 2020, by and between Snohomish County Fire District 7, hereinafter referred to as "District" and Brad Talley, MD a licensed physician operating within Snohomish County, hereinafter referred to as "Physician".

RECITALS

WHEREAS, the District maintains an emergency medical services program; and

WHEREAS, it is necessary to provide to that program a Medical Supervising Physician who provides certain duties as provided below; and
WHEREAS, physician has special expertise in the area of emergency medical services;

AGREEMENT

NOW,THEREFORE, be it agreed that Brad E. Talley, MD shall serve as the Medical Supervising Physician to Snohomish County Fire District 7 under the terms and conditions described herein.

1). DESCRIPTION OF PHYSICIAN'S DUTIES

A. Supervise and help implement continuing medical education with the specific goal being to maintain necessary and appropriate skill levels for Department BLS and ALS providers.

B. Assist and advise in developing standard policy, procedures, and protocol in the District.

C. Assist in developing strategies and plans to continually improve, standardize, and unify EMS in the District.

D. Supervise and assist in maintaining on going BLS and ALS recertification programs.

E. Analyze and recommend additional training skills and services which should be provided with consideration to the following:

- Availability of training
- Community need
- Facility and manpower availability
- Financial resources
- Adequate medical supervision

F. QA- Review BLS and ALS runs deemed necessary by the Medical Services Administrator, with written comments and returned to provider with follow-up using the ESO QM module.

G. Evaluate paramedic performance and recommend education, remedial training and pertinent medical considerations to the County Medical Program Director as necessary

H. Meet with the Fire Chief and Medical Services Administrator on a yearly basis concerning EMS issues and planning and recommend to the DISTRICT improvements in Emergency Medical Services

I. Analyze and recommend improvements in record keeping , including Medical Incident Reporting and accumulation of meaningful data relative to emergency medical services

J. Monitor and enhance coordination and relationships between the District's Emergency Medical Personnel and Hospital Medical Staff, including ER Physicians and nursing staff

K. Supervise ordering, dispensing and administering controlled substances in accordance with State and Federal regulations and guidelines

L. Provide liaison with the County and State governments pertaining to emergency medical services as requested by the Fire Chief

M. Act under the direct supervision of the Fire Chief and provide regular communications with the Fire Chief or designee regarding programs, services and medical policies relating to the position of Medical Supervising Physician

N. Assist the district in public relations pertaining to the District's emergency medical services program as requested by the Fire Chief or designee.

O. Represent the Department at quarterly Medical Control Meetings.

P. Provide such other and further services as are mutually agreed upon by the parties.

Q. Provide in person, or by qualified replacement, at least monthly, One (1), two (2) hour training session for the purpose of providing required continued medical education for Paramedic personnel.

2). DELEGATION OF DUTIES: Whenever the Physician because of absence from the area for a period longer than four weeks, is or would be unavailable to perform the duties and responsibilities of this contract, the Physician shall appoint a qualified replacement to perform and assume his/her contract duties and responsibilities in the Physician's

absence, all at no additional expense to the District. The Physician further agrees to provide reasonable advance notice to the Fire Chief or designee of such absences and appointments.

3). PHYSICIAN QUALIFICATIONS.

A. Physician must be a licensed practitioner in the state of Washington with appropriate clinical privileges in the specialty area of the Emergency Medicine.

B. Any suspension or loss of the above Physician qualification shall constitute automatic termination of this MDAS Agreement, without need for further notice.

4). RELATION OF PARTIES: The parties to this agreement agree that the Physician is a professional person and that the status of the Physician is one of an independent contractor. The Physician is not an employee of the District and is not entitled to the benefits provided by the District to its employees including, but not limited to, group insurance and pension plans. The Physician may practice his/her profession for others during those periods when he/she is not performing work under this agreement for the District.

5). DURATION: The term of this agreement shall be from **January 1, 2020 to December 31, 2020**. It is understood the District or the Physician may voluntarily terminate this contract without cause by providing thirty **(30)** days advance written notice to the other. It is further understood that this agreement may be renewed in writing on terms and conditions agreeable to both parties after notice by either party prior to the termination of this agreement.

6). COMPENSATION: The District agrees to pay physician the sum of **$3,000.00** per month for services as Physician of Emergency Medical Services as set forth in this agreement. Physician shall keep accurate records of the date and amount of time spent rendering services pursuant to this agreement. Physician shall invoice the District on a monthly basis for services provided the prior month and the District shall pay such invoices within 30 days of receipt.

7). PATIENT PRIVACY. Physician shall carry out Physician obligations under this Agreement in compliance with the privacy regulations pursuant to the Health Insurance Portability and Accountability Act and chapter 70.02 RCW the Washington Health Care Information Act (collectively referred to as “Privacy Acts,”) to protect the privacy of all patient protected health information ("PHI") as defined under the Privacy Acts that is collected, processed or learned as a result of the medical control services provided to the District by Physician.

8). ENTIRE AGREEMENT. This instrument contains the entire Agreement of the parties with respect to the subject matter contained herein. It may not be changed orally

but only by an Agreement in writing signed by the party against whom enforcement of any waiver, change, modification, extension, or discharge is sought.

Snohomish County Fire Dist 7	**PHYSICIAN**
Kevin O’Brien, Fire Chief	Brad E. Talley, MD

ACTION ITEMS

SNOHOMISH COUNTY FIRE DISTRICT #7

RESOLUTION #2019-23

A RESOLUTION TO CREATE AN EXCISE TAX FUND

WHEREAS, The Board of Fire Commissioners have determined that the District is required to submit a quarterly excise tax payment to the state for sales and excise taxes due, and;

WHEREAS, The Board of Fire Commissioners have determined that it is beneficial to the District to make sales and excise tax payments from a separate fund, and;

WHEREAS, The Board of Fire Commissioners have determined that it is beneficial for the District to establish an Excise Tax Fund to accumulate the funds for the payment of sales and excise taxes to the state, and;

WHEREAS, It is the intent of the Board of Fire Commissioners that the Excise Tax Fund be used for the accumulation of, and/or the payment of sales and excise taxes due.

NOW THEREFORE BE IT RESOLVED BY THE BOARD OF COMMISSIONERS OF FIRE DISTRICT #7, SNOHOMISH COUNTY, STATE OF WASHINGTON THAT:

1. An Excise Fund shall be established for the purpose of accumulating funds to be used for the payment of sales and excise taxes due to the state of Washington.

ADOPTED AT A MEETING OF THE BOARD OF FIRE COMMISSIONERS, SNOHOMISH COUNTY FIRE DISTRICT #7 THIS 30th DAY OF DECEMBER 2019.

Randy Fay, Commissioner

Roy Waugh, Commissioner

Jeff Schaub, Commissioner

Leslie Jo Wells, Commissioner

Bill Snyder, Commissioner

Randall Woolery, Commissioner

Attest to: Secretary to Board

INTERLOCAL COOPERATIVE PURCHASE AGREEMENT BETWEEN SKAGIT COUNTY FIRE DISTRICT NO. 6 AND THE SNOHOMISH COUNTY FIRE DISTRICT NO. 7

This Agreement is entered into by and between the Skagit County Fire District No. 6 (hereinafter "Skagit 6") and the Snohomish County Fire District No. 7 (hereinafter "Sno 7") agencies duly organized under the laws of the State of Washington.

It is the purpose of this Agreement to provide for the cooperative purchase of materials , supplies and equipment by the patties to this Agreement when determined by the legislative body of a participating party to be in the best interest of such party. This Agreement is entered into under the authority of the lnterlocal Cooperation Act, chapter 39.34 RCW. Skagit 6 and Sno 7 desire to enter into this interlocal agreement to make the most efficient use of the powers enumerated under chapter 39.34 RCW.

Skagit 6 and Sno 7 each possess the power to procure goods and services and to dispose of property and are authorized to cooperate.

It is agreed by the parties as follows:

1. **Term.** The term of this Agreement in respect to each patty to this Agreement shall commence on the date of execution of the Agreement by that party and shall remain in effect until terminated by a party as provided in paragraph 5 of this Agreement.

2. **Cooperative Purchase.** Each party agrees to provide in bid proposals and specifications appropriate language to authorize and permit the other parties to the Agreement to purchase such materials, supplies and equipment under the terms and conditions of the purchase contract awarded by such party. Provided , however, the parties shall not be required to include such language when, in the sole discretion of the party going out to bid, the party determines that such language is not in the best interest of the patty. The bid language to be included should be substantially as follows: " lnterlocal Bids. The Bid proposal accepted shall permit and shall be subject to chapter 39.34 RCW, the Interlocal Cooperation Act, under which other governmental agencies may purchase under the bid proposal."

3. **Discretion.** The determination of whether or not any party to this Agreement shall purchase materials , supplies or equipment under the terms and conditions of any purchase contract available to, or entered into, by the other parties under a statutory bidding procedure shall be made by the legislative body of the party desiring to make such purchase.

3. **Financial Responsibility.** Each patty shall remain financially responsible for the payment of the purchase price of all materials, supplies and equipment purchased and received by such party under the terms of this Agreement.

4. **Ownership.** Title to all items purchased by any party to this Agreement shall remain in the name of such party.

5. **Termination.** Any party to this Agreement may terminate its participation in the Agreement by giving the other patties to the Agreement 30 days written notice of such intent to terminate.

6. **Limitations.** The parties shall not jointly acquire property or jointly budget funds under the authority of this Agreement.

7. **Statutory Compliance.** Each party agrees to comply with the statutory bidding requirements applicable to such party when acting under this Agreement.

8. **Administration.** No new or separate legal or administrative entity is created to administer the provisions of this agreement.

9. **Right to Contract- Independent Action Preserved.** Each party reserves the right to contract independently for the acquisition of goods or services without notice to the other party and shall not bind or otherwise obligate the other party to participate in the activity.

10. **Hold Harmless.** Each party shall indemnify, defend and hold the other party harmless from any liability arising from any negligent or wrongful act or failure to act on the part of itself and its employees. Neither party assumes responsibility to the other party for the consequences of any act or omission of any person, firm or corporation not a party to this agreement.

Dated_____, 2019

Skagit County Fire District 6

By: _____
Fire Chief

Dated _____,2019

Snohomish County Fire District No. 7

By:_____
Fire Chief

MUNICIPAL EMERGENCY SERVICES

3801 Fruit Valley Rd.
Suite C
Vancouver, WA 98660

Quote

Date	11/28/2019
Quote #	QT1316889
Expires	12/28/2019
Sales Rep	Baker, Gregory J
PO #	Scott
Shipping Method	FedEx Ground

Bill To

Summer Young
Snohomish FD #7
163 Village Ct.
Monroe WA 98272

Ship To

Chief Huff
SNOHOMISH FD DIST. 7
8010 180TH ST SE
SNOHOMISH WA 98296
United States

Item	Alt. Item #	Units	Description	QTY	Unit Sales Pri...	Amount
Scott Part	FP1LK000000...		FP1LK0000000000 Scott Part New Scott mask	20	322.00	6,440.00
Scott Part	FP1SK000000...		FP1SK0000000000 Scott Part New Scott mask	5	322.00	1,610.00
Scott Part	FP1MK00000...		FP1MK0000000000 Scott Part New Scott mask	75	322.00	24,150.00
200970-01			CYL&VALV,QD,CARB,45/5500 ASSY	45	1,291.00	58,095.00
200970-01			CYL&VALV,QD,CARB,45/5500 ASSY	45	0.00	0.00
201564-12			RIT-Pak FA, MED, 5500	4	2,156.47	8,625.88
201568-01			Cylinder & Valve assembly, 45/5500, 90 degree	4	1,175.01	4,700.04
Scott X3	X8915N26305...		X8915N26305304 5.5 X3PSC,SH Scott X3 New 2018 packs Integrated Self-Rescue Belt is $350 more to the cost	40	5,760.75	230,430.00
Scott X3	X8915N26303...		X8915N26303303 X3PSC, 5.5,C5 QD 18,UEB,PKTR Scott X3 X8915N26303303 X3PSC, 5.5,C5 QD 18,UEB,PKTR Integrated Self-Rescue Belt is $350 more to the cost. Spare Harness for X3 Pro SCBA $685 more to the cost	5	6,445.75	32,228.75

Please note this is an order for Lake Stevens Fire. Sno 7 and Lake Stevens will be the same entity the first of the year.
Please note there is added cost on the packs. 1.Integrated Self-Rescue Belt $350 more per pack.
2. Spare Harness for X3 Pro SCBA on 5 of them also adding $685

Subtotal	366,279.67
Shipping Cost (FedEx Ground)	0.00
Tax	28,569.81
Total	$394,849.48

This Quotation is subject to any applicable sales tax and shipping & handling charges that may apply. Tax and shipping charges are considered estimated and will be recalculated at the time of shipment to ensure they take into account the most current local tax information.

All returns must be processed within 30 days of receipt and require a return authorization number and are subject to a restocking fee.

Custom orders are not returnable. Effective tax rate will be applicable at the time of invoice.

QT1316889

Notice for Bids

SCBA

Sealed bids will be accepted for furnishing Skagit County Fire District No. 6, Skagit County Fire District No. 2, Skagit County Fire District No. 12, Skagit County Fire District No. 14 and the City of Burlington hereinafter referred to as "the Department", up to 94 Open-Circuit Self-Contained Breathing Apparatus for Emergency Services in accordance with plans and specifications on file with the Department. The funding is provided through a FEMA Assistance to Firefighters Grant.

Bids will be received at the headquarters fire station located at 16220 Peterson Road, Burlington, WA 98233 until 12 noon pacific time on the 5th of November 2019. Bids will only be accepted Monday-Friday from 8 a.m. to 12 noon pacific time or via certified mail. Notifications of award will go out November 18th, 2019. Bid Specifications may be obtained by emailing District Secretary Janel Saulsbury at jsaulsbury@skagitfire6.com

The bidder shall submit a proposal document detailing the manufacturer's name and address, description of the equipment proposed, equipment price, and delivery of the equipment time frame. The bidder's proposal document shall be signed by an authorized representative of the vendor. By the signing of the proposal document, the bidder agrees the proposal is, in all respects, fair and without collusion or fraud. Proposals shall not be accepted from bidders who cannot meet this requirement.

The purchaser reserves the right to reject any or all proposals or accept any deemed to be in the best interest of the purchaser and shall not be bound to accept a low bid proposal.

Only bidders and manufacturers which conduct business inside the United States shall be considered. The definition of a United States bidder and manufacturer is: "The Company who resides, pays taxes, and manufactures within the United States of America." **There will be no exceptions to this requirement.**

Any questions concerning this bid specification shall be in writing and must be approved by the District. Questions should be directed to:

Paul Wagner, Fire Chief
pwagner@skagitfire6.com
360-757-2891 (office)

SCBA Purchase Bid Specification

DESCRIPTION

The intent of these specifications is to establish the minimum requirements for the furnishing open-circuit self- contained breathing apparatus (SCBA). The SCBA shall consist of the following major sub-assemblies:

1) Full face piece assembly
2) A removable face piece-mounted positive pressure breathing regulator with air saver switch.
3) An automatic duel path redundant pressure reducing regulator.
4) End of service time indicators.
5) A harness and back frame assembly for supporting the equipment on the body.
6) A shoulder strap mounted remote gauge indicating cylinder pressure.
7) A rapid intervention crew with universal air connection (RIC/UAC).
8) Two cylinders and valve assemblies for storing breathing air under pressure.
9) Personal alert system with firefighter locator.
10) Preference will be given to manufacturers that offer Buy Back Credit on existing equipment (Pack harness, bottles, masks and RIT packs.

The SCBA specification detailed here in are based on a 5,500 PSI operating system.

Regulatory Approvals	Product:		
	Meets	Does Not Meet	Exception
• The SCBA shall be approved to NIOSH 42 CFR, Part 84 for chemical, biological, radiological and nuclear protection (CBRN).	☐	☐	☐
• The SCBA shall be compliant to the NFPA 1981, 2018 Edition, Standard on Open-Circuit Self-Contained Breathing Apparatus for Emergency Services.	☐	☐	☐
• The SCBA shall be compliant to the NFPA 1982, 2018 Edition (if including optional PASS Device), Standard on Personal Alert Safety Systems.	☐	☐	☐
• If the SCBA is to include an optional integrated self-rescue device, the device shall be compliant to the NFPA 1983, 2017 Edition, Standard on Life Safety Rope and Equipment for Emergency Services.	☐	☐	☐
• All electronic components shall be approved for Intrinsic Safety under UL 913 Class I, Groups C and D, Class II, Groups E, F and G, Hazardous locations.	☐	☐	☐

Required Components	Product:		
Facepiece	Meets	Does Not Meet	Exception
• The facepiece shall have a large diameter inlet serving as the female half of a quarter (1/4) turn coupling which mates with the positive pressure breathing regulator.	☐	☐	☐
• The facepiece shall be approved for use with multiple respiratory applications to enable the same user to switch from one application to another without the use of tools and without doffing the facepiece.	☐	☐	☐
• The full facepiece assembly shall fit persons of varying facial shapes and sizes with minimal visual interference.	☐	☐	☐
• The full facepiece assembly shall be available in three sizes marked “S” for small, “M” for Medium and “L” for large.	☐	☐	☐
• The facepiece sizes shall be easily identifiable through a color-coding scheme.	☐	☐	☐
• The facepiece assembly, including head harness, shall be latex free.	☐	☐	☐
• The facepiece series shall have a faceseal that is secured to the lens by a U-shaped channel frame that is retained to the lens using two fasteners.	☐	☐	☐
• The faceseal shall be a single design for enhanced fit and comfort.	☐	☐	☐
• The facepiece shall contain inhalation valves that are readily visible to enable quick visual inspection.	☐	☐	☐
• The lens shall be a single, replaceable, modified cone configuration constructed of a non-shatter type polycarbonate material.	☐	☐	☐
• In accordance with NIOSH 42 CFR part 84, the facepiece shall meet the penetration and impact requirements, including compliance with ANSI Z87.1 – 2010.	☐	☐	☐
• The lens shall have a coating to resist abrasion and chemical attack and meet the requirements of NFPA 1981, for lens abrasion.	☐	☐	☐
• The lens shall have an internal anti-fog coating to reduce fogging of the lens.	☐	☐	☐
• Multi-directional voicemitters shall be mounted on both sides of the facepiece and ducted directly to an integral silicone nosecup to enhance voice transmission.	☐	☐	☐

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

• The optional quick connect coupling shall not allow the air hose to be connected without the HUD Connection.	☐	☐	☐
• The optional quick connect coupling shall also be guarded against inadvertent disconnect during use of the equipment.	☐	☐	☐
• The low-pressure hose shall be equipped with a swivel attachment at the facepiece mounted breathing regulator.	☐	☐	☐
• The breathing regulator shall connect to the facepiece by way of a quarter (1/4) turn coupling.	☐	☐	☐
• The user shall hear an audible sound when the breathing regulator is attached correctly to the facepiece.	☐	☐	☐
• The breathing regulator shall be equipped with a doughnut-shaped gasket which provides a seal against the mating surface of the facepiece.	☐	☐	☐
• The breathing regulator cover shall be fabricated of a flame resistant, high impact plastic.	☐	☐	☐
• The breathing regulator shall have a demand valve to deliver air to the user, activated by a diaphragm responsive to respiration.	☐	☐	☐
• The demand valve shall use an extended temperature range dynamic O-ring seal composed of a fluorosilicone elastomer.	☐	☐	☐
• The diaphragm shall include the system exhalation valve and shall be constructed from a high strength butyl elastomer.	☐	☐	☐
• A purge valve shall be situated at the inlet of the breathing regulator and shall be capable of delivering airflow of between 125 and 225 standard liters per minute.	☐	☐	☐
• The breathing regulator shall be designed to direct the incoming air through a spray bar and over the inner surface of the facepiece lens for defogging purposes.	☐	☐	☐
• The components of the breathing regulator shall be constructed of materials that are not vulnerable to corrosion.	☐	☐	☐
• The flame-resistant cover shall contain an air saver switch and pressure demand bias mechanism.	☐	☐	☐

• The breathing regulator shall reactivate and supply air only in the positive pressure mode when the wearer affects a face seal and inhales.	☐	☐	☐
• This device shall not affect the breathing flow through the system while in operation.	☐	☐	☐
	Product:		
Pressure Reducer with Snap-Change Cylinder Connection	Meets	Does Not Meet	Exception
• The pressure-reducing regulator shall be mounted at the waist on the backframe and be coupled to the cylinder valve through a patented stainless steel quick connect snout for engagement and sealing within the cylinder valve outlet.	☐	☐	☐
• The cylinder shall be secured to the pressure-reducing regulator with two pull-rings 180° from each other.	☐	☐	☐
• A stainless-steel rod shall secure each of the pull-rings to prevent removal of the cylinder while the SCBA is pressurized.	☐	☐	☐
• The stainless-steel rods shall be actuated when the cylinder is opened and when cylinder pressure is above 30 psig.	☐	☐	☐
• In lieu of a manual by-pass, the pressure-reducing regulator shall include a back-up pressure-reducing valve connected in parallel with the primary pressure-reducing valve and an automatic transfer valve for redundant control.	☐	☐	☐
• The back-up pressure-reducing valve shall also be the means of activating the low-pressure alarm devices in the facepiece-mounted breathing regulator.	☐	☐	☐
• This warning shall denote a switch from the primary reducing valve to the back-up reducing valve whether from a malfunction of the primary reducing valve or from low cylinder supply pressure.	☐	☐	☐
• A press-to-test valve shall be included to allow functional testing of the back-up reducing valve.	☐	☐	☐
• The pressure-reducing regulator shall have extended temperature range dynamic O-ring seals composed of fluorosilicone elastomer.	☐	☐	☐
• The pressure-reducing regulator shall have incorporated a reseatable over-pressurization relief valve which shall prevent the attached low-pressure hose and facepiece-mounted breathing regulator from being subjected to high pressure.	☐	☐	☐
	Product:		
Pressure Reducer with CGA Cylinder Connection	Meets	Does Not Meet	Exception
• The pressure-reducing regulator shall be mounted at the waist on the backframe and be coupled to the cylinder valve through a short length of internally armored high-pressure hose with a hand coupling for engagement and sealing within the cylinder valve outlet.	☐	☐	☐

• In lieu of a manual by-pass, the pressure-reducing regulator shall include a back-up pressure-reducing valve connected in parallel with the primary pressure-reducing valve and an automatic transfer valve for redundant control.	☐	☐	☐
• The back-up pressure-reducing valve shall also be the means of activating the low-pressure alarm devices in the facepiece-mounted breathing regulator.	☐	☐	☐
• This warning shall denote a switch from the primary reducing valve to the back-up reducing valve whether from a malfunction of the primary reducing valve or from low cylinder supply pressure.	☐	☐	☐
• A press-to-test valve shall be included to allow functional testing of the back-up reducing valve.	☐	☐	☐
• The pressure-reducing regulator shall have extended temperature range dynamic O-ring seals composed of fluorosilicone elastomer.	☐	☐	☐
• The pressure-reducing regulator shall have incorporated a reseatable over-pressurization relief valve which shall prevent the attached low-pressure hose and facepiece-mounted breathing regulator from being subjected to high pressure.	☐	☐	☐
	Product:		
End-of-Service Time Indicator (EOSTI)	Meets	Does Not Meet	Exception
• The SCBA shall have two end-of-service time indicators (EOSTI). A tactile alarm and a Heads-Up Display (HUD).	☐	☐	☐
• The primary EOSTI shall be the integral low-pressure alarm device that shall combine an audible alarm with simultaneous vibration of the facepiece.	☐	☐	☐
• The primary EOSTI shall be located in the facepiece-mounted positive pressure breathing regulator.	☐	☐	☐
• This alarm device shall indicate either low cylinder pressure (35% +/- 2%) or a malfunction of the primary pressure-reducing valve (first stage regulator).	☐	☐	☐
• The HUD shall serve as the secondary EOSTI.	☐	☐	☐
• The HUD shall be powered by the SCBA's single power supply.	☐	☐	☐
• It shall be mounted in the user's field of vision on the facepiece-mounted positive pressure breathing regulator.	☐	☐	☐

• It shall display cylinder pressure in increments of 100%, 75%, 50% and 35%.	☐	☐	☐
• The display shall not have a numerical representation of cylinder pressure.	☐	☐	☐
• At full cylinder pressure, two green Light Emitting Diodes (LED) shall be illuminated.	☐	☐	☐
• At three-quarter cylinder pressure, one green LED shall be illuminated.	☐	☐	☐
• At one-half cylinder pressure, one “yellow” LED shall be illuminated and flash at a rate not to exceed one (1x) time per second.	☐	☐	☐
• At one-third cylinder pressure, one “red” LED shall be illuminated and flash at a rate not to exceed ten (10x) times per second.	☐	☐	☐
• The HUD shall have a low battery indication that is distinct and distinguishable from the cylinder pressure indications.	☐	☐	☐
	Product:		
Harness and Backframe Assembly	Meets	Does Not Meet	Exception
• A lightweight, lumbar support style backframe and harness assembly shall be used to carry the cylinder and valve assembly and the pressure-reducing regulator assembly.	☐	☐	☐
• The backframe shall be a solid, one-piece black powder-coated aluminum alloy frame that is contoured to follow the shape of the user’s back.	☐	☐	☐
• The backframe shall include a shroud to streamline hose and wire management by minimizing exposure of the low-pressure hose and electronics molded cable.	☐	☐	☐
• The backframe shall include a mounting for the pressure reducing regulator located at the waist.	☐	☐	☐
• The backframe shall include an over-the-center, adjustable tri-slide fixture, a para-aramid strap and a double-locking latch assembly to secure 30, 45, 60, or 75-minute cylinders.	☐	☐	☐
• The backframe shall include a mounting area suitable for installation of a distress alarm integrated with the SCBA.	☐	☐	☐
• The mounting area shall permit installation of a distress alarm sensor module in an area between the pressure reducer and the backframe.	☐	☐	☐

• The harness assembly shall include a waist pad and shoulder pads constructed of an outer shell material and incorporating a closed-cell foam design to help minimize water absorption.	☐	☐	☐
• The harness assembly shall incorporate parachute-type, quick-release buckles with an integrated bail to help secure the webbing. Optional spring (alligator) clips shall also be available.	☐	☐	☐
• The harness assembly shall consist of a one size black para-aramid strap with two red stripes along the outer edges and a reflective stripe in the center for enhanced visibility.	☐	☐	☐
• The harness assembly shall include a seat-belt type waist belt attachment.	☐	☐	☐
• The harness assembly shall include box-stitched construction with no screws or bolts.	☐	☐	☐
• The harness assembly shall be removable from the backframe without the use of tools.	☐	☐	☐
• The harness assembly shall be machine washable to help with exposure reduction.	☐	☐	☐
• The harness assembly shall accommodate a waist belt extension.	☐	☐	☐
• The waist pad shall be attached to the backframe such that movement by the wearer provides natural articulation. Articulation shall be accomplished without the use of mechanical devices.	☐	☐	☐
• The waist pad and belt shall freely wrap around and conform to the wearers' hips.	☐	☐	☐
• The shoulder harness shall be fitted with a Drag Rescue Loop (DRL) capable of being deployed in an emergency situation to drag a downed firefighter to safety.	☐	☐	☐
• The Drag Rescue Loop (DRL) shall be sewn into the shoulder harness assembly and shall provide a horizontal pull strength of 1000 lbs.	☐	☐	☐
• The Drag Rescue Loop (DRL) shall be stored in a manner to prevent accidental snag but maintain accessibility with gloved hands.	☐	☐	☐
• The shoulder harness shall be attached to the backframe such that the harness presents itself for ease of donning.	☐	☐	☐

• The shoulder harness shall include reflective material to enhance the visibility of the wearer in low-light conditions.	☐	☐	☐
• The shoulder harness shall accommodate two distinct positions for a chest strap attachment.	☐	☐	☐
• The shoulder harness shall accommodate a mounting clip for attachment of a handheld radio remote speaker microphone.	☐	☐	☐
	Product:		
Rapid Intervention Crew / Universal Air Connection (RIC/UAC)	Meets	Does Not Meet	Exception
• The SCBA shall incorporate a RIC/UAC fitting to be compliant with the 2018 edition of the NFPA 1981 Self-Contained Breathing Apparatus standard.	☐	☐	☐
• The RIC/UAC shall be an integral part of the pressure reducer and protected by the backframe.	☐	☐	☐
• The RIC/UAC inlet connection shall be within 4” (4-inches) of the tip of the CGA threads of the cylinder valve.	☐	☐	☐
• The RIC/UAC shall consist of a connection for attaching a high-pressure air source and a self-resetting relief valve allowing a higher pressure than that of the SCBA to be attached to the SCBA.	☐	☐	☐
• The self-resetting relief valve shall be color-coded to identify pressure rating of the SCBA.	☐	☐	☐
• The RIC/UAC shall have a check valve to prevent the loss of air when the high-pressure air source has been disconnected.	☐	☐	☐
	Product:		
Cylinder	Meets	Does Not Meet	Exception
• The cylinder threads shall be straight with an O-ring or quad-ring gasket type seal.	☐	☐	☐
• The cylinder valve shall be a “fail open” type, constructed of forged aluminum and designed such that no stem packing or packing gland nuts are required.	☐	☐	☐
• It shall contain an upper and lower seat such that the pressure will seal the stem on the upperseat, thus preventing leakage past the stem.	☐	☐	☐
• No adjustment shall be necessary during the life of the valve.	☐	☐	☐

• If the SCBA is equipped with a CGA cylinder connection, the cylinder valve outlet shall be a modification of the Compressed Gas Association (CGA) standard threaded connection number 346 for breathing air for 2216 and CGA 347 for 4500 and 5500 systems.	☐	☐	☐
• If the SCBA is equipped with a Snap-Change Cylinder connection, the cylinder valve shall be designed with a patented stainless steel quick connect snout that delivers air directly to the first stage pressure-reducing regulator. The quick connect snout shall be an integral part of the cylinder valve, rather than an adapter that threads onto the CGA fitting.	☐	☐	☐
• If the SCBA is equipped with a Snap-Change Cylinder connection, the cylinder valve shall be offered with a CGA 346 or CGA 347 fitting for the purposes of filling the cylinder only.	☐	☐	☐
• If the SCBA is equipped with a Snap-Change Cylinder connection, the fill fitting shall have a check valve to prevent flow from the cylinder.	☐	☐	☐
• If the SCBA is equipped with a Snap-Change Cylinder connection, the fill fitting shall be provided with a dust cover to protect threads from damage and prevent interior surfaces from being contaminated when not in use.	☐	☐	☐
• If the SCBA is equipped with a Snap-Change Cylinder connection, the dust cover shall be retained to the cylinder valve.	☐	☐	☐
• Each cylinder valve shall consist of the following: 1) a hand activated valve mechanism with a spring-loaded, positive action, ratchet type safety lock and lock-out release for selecting “lock open service” or “non-lock open service”; 2) an upstream connected frangible disc safety relief device; 3) a dual reading pressure gauge indicating cylinder pressure at all times; 4) an elastomeric bumper; 5) an angled outlet.	☐	☐	☐
• The cylinder valve shall have an RFID tag molded into the elastomeric bumper with a universal RFID marking embossment.	☐	☐	☐
• The RFID tag shall be capable of storing product specific information, including serial number, manufacture date, hydrostatic test date, pressure rating, life expectancy, and fill logs.	☐	☐	☐
• The SCBA shall maintain all NIOSH and NFPA standards with any of the following types of cylinders listed as provided by the SCBA manufacturer.	☐	☐	☐
Carbon-Wrapped			
• The cylinder shall be manufactured in accordance with DOT specifications and meet the Transport Canada requirements with working pressures of 5500 psig.	☐	☐	☐
• The cylinder shall be lightweight, composite type cylinder consisting of an aluminum alloy inner shell, with a total overwrap of carbon fiber, fiberglass and an epoxy resin.	☐	☐	☐
• The cylinder shall have a 2D barcode located under the protective gel coat programmed with the following information, at a minimum: serial number, manufacture date, and hydrostatic test date.	☐	☐	☐

• The cylinder shall be available in a 30-minute, 45-minute, 60-minute or 75-minute duration based on the NIOSH breathing rate of 40 liters per minute (lpm).	☐	☐	☐
• The cylinder shall be available in an approved 30-year life design as defined by the DOT Special Permit 14232.	☐	☐	☐
• The cylinder shall have department logo and name located under the protective gel coat.	☐	☐	☐
	Product:		
Warranty	Meets	Does Not Meet	Exception
• The unit shall be covered by a warranty providing protection against defects in materials or workmanship.	☐	☐	☐
• This warranty shall be for a period of 15 years on the SCBA.	☐	☐	☐
• This warranty shall not have any exclusions other than consumables and carrying cases.	☐	☐	☐
• This warranty shall not require a registration in order to activate.	☐	☐	☐
• This warranty shall not be contingent upon completing mandatory overhaul or recommended preventative maintenance.	☐	☐	☐
	Product:		
Personal Alert Safety System with Firefighter Locator	Meets	Does Not Meet	Exception
• The PASS Device shall be compliant to the NFPA 1982, 2018 Edition Standard on Personal Alert Safety Systems.	☐	☐	☐
• Operation of this distress alarm shall be initiated with the opening of the valve of an SCBA charged cylinder.	☐	☐	☐
• The system shall feature a “hands-free” re-set capability that may be activated by means of a slight movement of the SCBA when the system is in a pre-alarm mode.	☐	☐	☐
• The system shall operate from a single power source containing six “AA” batteries.	☐	☐	☐
• The battery life of the SCBA with PASS only shall be no less than 200 hours.	☐	☐	☐

• The system shall have a battery check function that provides an LED indication of battery status while the SCBA is not pressurized.	☐	☐	☐
• When the PASS is manually activated, the locator system shall immediately emit a 2.4 GHz signal to be received by a separate hand-held receiver.	☐	☐	☐
• When the PASS is activated due to lack of motion, the locator system shall have a ten second delay prior to emitting a 2.4 GHz signal to be received by a separate hand-held receiver.	☐	☐	☐
• The system shall utilize a 2.4 GHz signal to provide the best path to a "downed" firefighter.	☐	☐	☐
• The locating system shall be programmable with eight alpha-numeric characters to provide identification information.	☐	☐	☐
• The PASS device shall contain two components: a Console and a Sensor Module.	☐	☐	☐
• When the PASS device goes into pre-alarm, the user shall be notified through a distinct light pattern in the breathing regulator-mounted HUD display.	☐	☐	☐
Console			
• The console shall be located on the user's right shoulder harness.	☐	☐	☐
• The console shall contain an integral edge lit mechanical pressure gauge that is automatically turned on by opening the cylinder valve.	☐	☐	☐
• The console shall display to the user the following: Pre-Alarm: alternating red flashing LED's; Full Alarm: dual flashing red LED's and a flashing PASS icon; Low Battery: red flashing LED's; Normal System Operation: flashing green LED.	☐	☐	☐
• The console shall contain a photo sensing diode that automatically adjust the brightness of the HUD as the ambient lighting conditions change.	☐	☐	☐
• The console shall contain an integrated RFID tag.	☐	☐	☐
• The console shall contain push buttons for user interface.	☐	☐	☐
• The push buttons shall be designed to minimize accidental activation.	☐	☐	☐

• A yellow color-coded push button shall permit system re-set.	☐	☐	☐
• A red color-coded push button shall permit manual activation of the full alarm mode.	☐	☐	☐
• The console shall be equipped with a LED “External HUD” allowing others to determine the wearer’s cylinder pressure through the same color-code scheme as the breathing regulator-mounted HUD.	☐	☐	☐
• A green LED shall be illuminated across the gauge face to indicate a cylinder with greater than half cylinder pressure.	☐	☐	☐
• A yellow LED shall be illuminated across the gauge face to indicate a cylinder with less than half cylinder pressure.	☐	☐	☐
• A red LED shall be illuminated across the gauge face to indicate a cylinder with less than 35% cylinder pressure.	☐	☐	☐
Sensor Module			
• The system shall include a sensor module mounted to the SCBA backframe and located in an area between the cylinder and backframe in a manner designed to protect the assembly from damage.	☐	☐	☐
• The sensor module shall contain a motion sensor that is sensitive to user hip movement to reduce false activations.	☐	☐	☐
• The sensor module shall contain redundant, dual sound emitters for the audible alarm and dual visual “buddy” indicator lights.	☐	☐	☐
• The sensor module sound emitters shall be oriented in multi-directions for optimal sound projection.	☐	☐	☐
• The sensor module sound emitters shall broadcast a unique alarm tone for the following conditions: Pre-alarm PASS, Full-alarm PASS, EVAC, System Integrity, PAR, and Low-battery.	☐	☐	☐
• The visual indicators on the backframe mounted sensor module shall flash green during normal operation.	☐	☐	☐
• The visual indicators shall flash red when the device is in pre-alarm and full-alarm.	☐	☐	☐
• The visual indicators shall flash orange when the SCBA has reached one-half cylinder pressure.	☐	☐	☐

• The visual indicators shall flash a combination of red, green, and white when the SCBA has reached 35% cylinder pressure.	☐	☐	☐
• The sensor module shall have a Bluetooth chip set integral to the unit to provide wireless connectivity to external devices.	☐	☐	☐
Optional Components	Product:		
Personal Alert Safety System with Accountability	Meets	Does Not Meet	Exception
• The PASS Device shall be compliant to the NFPA 1982, 2018 Edition Standard on Personal Alert Safety Systems.	☐	☐	☐
• Operation of this distress alarm shall be initiated with the opening of the valve of an SCBA charged cylinder.	☐	☐	☐
• The system shall feature a “hands-free” re-set capability that may be activated by means of a slight movement of the SCBA when the system is in a pre-alarm mode.	☐	☐	☐
• The system shall operate from a single power source containing six “AA” batteries.	☐	☐	☐
• The system shall have a battery check function that provides an LED indication of battery status while the SCBA is not pressurized.	☐	☐	☐
• When the PASS is manually activated, the locator system shall immediately emit a 2.4 GHz signal to be received by a separate hand-held receiver.	☐	☐	☐
• When the PASS is activated due to lack of motion, the locator system shall have a ten second delay prior to emitting a 2.4 GHz signal to be received by a separate hand-held receiver.	☐	☐	☐
• The system shall utilize a 2.4 GHz signal to provide the best path to a “downed” firefighter.	☐	☐	☐
• The locating system shall be programmable with eight alpha-numeric characters to provide identification information.	☐	☐	☐
• The system shall transmit user status information at a frequency of 2.4 GHz on a self-healing mesh network system that when deployed allows each energized SCBA to function as a repeater ensuring system connectivity.	☐	☐	☐
• The system shall provide bi-directional communications between incident command and the SCBA wearer.	☐	☐	☐
• The communication shall contain: the user’s name or ID, cylinder pressure, PASS alarms, PASS acknowledgement, evacuation status, evacuation acknowledgement, withdraw status, withdraw acknowledgement, system status, and electronic PAR status,	☐	☐	☐

• The PASS device shall contain two components: a Console and a Sensor Module.	☐	☐	☐
• When the PASS device goes into pre-alarm, the user shall be notified through a distinct flashing light pattern in the regulator-mounted HUD display.	☐	☐	☐
Console			
• The console shall be located on the user's right shoulder harness.	☐	☐	☐
• The control console shall come with a mechanical (analog) pressure gauge that is angled at 30°.	☐	☐	☐
• The console shall contain an integral edge lit mechanical pressure gauge that is automatically turned on by opening the cylinder valve.	☐	☐	☐
• The console shall display to the user the following: Pre-Alarm: alternating red flashing LED's; Full Alarm: dual flashing red LED's and a flashing PASS icon; Low Battery: red flashing LED's; Normal System Operation: flashing green LED.	☐	☐	☐
• The console shall also include icons to indicate range status, evacuation, withdraw (self-evacuation), ePAR, and when the system is ready to receive the user's ID through an RFID card.	☐	☐	☐
• The console shall contain a photo sensing diode that automatically adjusts the brightness of the HUD as the ambient lighting conditions change.	☐	☐	☐
• The console shall contain an integrated RFID tag.	☐	☐	☐
• The console shall contain push buttons for user interface.	☐	☐	☐
• The push buttons shall be designed to minimize accidental activation.	☐	☐	☐
• A yellow color-coded push button shall permit system re-set.	☐	☐	☐
• A red color-coded push button shall permit manual activation of the full alarm mode.	☐	☐	☐
• A gray color-coded push button shall permit the activation of the withdraw mode.	☐	☐	☐

• The console shall be equipped with a LED “External HUD” allowing others to determine the wearer’s cylinder pressure through the same color-code scheme as the breathing regulator-mounted HUD.	☐	☐	☐
• A green LED shall be illuminated across the gauge face to indicate a cylinder with greater than half cylinder pressure.	☐	☐	☐
• A yellow LED shall be illuminated across the gauge face to indicate a cylinder with less than half cylinder pressure.	☐	☐	☐
• A red LED shall be illuminated across the gauge face to indicate a cylinder with less than 35% cylinder pressure.	☐	☐	☐
Sensor Module			
• The system shall include a sensor module mounted to the SCBA backframe and located in an area between the cylinder and backframe in a manner designed to protect the assembly from damage.	☐	☐	☐
• The sensor module shall contain a motion sensor that is sensitive to user hip movement to reduce false activations.	☐	☐	☐
• The sensor module shall contain redundant, dual sound emitters for the audible alarm and dual visual “buddy” indicator lights.	☐	☐	☐
• The sensor module sound emitters shall be oriented in multi-directions for optimal sound projection.	☐	☐	☐
• The sensor module sound emitters shall broadcast a unique alarm tone for the following conditions: Pre-alarm PASS, Full-alarm PASS, EVAC, System Integrity, ePAR, and Low-battery.	☐	☐	☐
• The visual indicators on the backframe mounted sensor module shall flash green during normal operation.	☐	☐	☐
• The visual indicators shall flash red when the device is in pre-alarm and full-alarm.	☐	☐	☐
• The visual indicators shall flash orange when the SCBA has reached one-half cylinder pressure.	☐	☐	☐
• The visual indicators shall flash a combination of red, green, and white when the SCBA has reached 35% cylinder pressure.	☐	☐	☐
• The sensor module shall have a Bluetooth chip set integral to the unit to provide wireless connectivity to external devices.	☐	☐	☐

	Product:		
Universal Emergency Breathing Safety System (UEBSS)	Meets	Does Not Meet	Exception
• The optional Universal Emergency Breathing Safety System (UEBSS) shall be approved to NIOSH 42CFR, Part 84 and NFPA 1981, 2018 Edition.	☐	☐	☐
• The UEBSS shall have one of each of the following requirements; (1) a manifold with one each of a Rectus female socket and Rectus male plug, both of which have check valves, (2) 40” minimum low-pressure hose, (3) a pouch for storing the hose, and (4) a dust cap for the female socket and male plug.	☐	☐	☐
• The UEBSS shall be positioned on the wearer’s right side and shall be capable of allowing for six feet of hose between like systems.	☐	☐	☐
• The manifold shall be made of aluminum and be anodized black.	☐	☐	☐
• The female socket and male plug shall have spacing, no less than 15° off-center.	☐	☐	☐
• The female socket shall have a double action to disengage, noted as a “push-in/pull-back”.	☐	☐	☐
• The female socket shall have an internal check valve.	☐	☐	☐
• The male plug shall have an external check valve.	☐	☐	☐
• The hose shall be made of high temperature rubber capable of sustaining a maximum 250 psig of pressure.	☐	☐	☐
• The containment system shall include a pouch and shall be made of para-aramid materials and shall be capable of storing 36” of hose.	☐	☐	☐
• The pouch shall be attached to the SCBA by snap fasteners.	☐	☐	☐
• The pouch shall have a pull-strap to assist with opening of the flap and gaining access to the hose and manifold assembly.	☐	☐	☐
• The pouch shall be marked “UEBSS” and be constructed of reflective material.	☐	☐	☐

• The pouch shall be removable from the backframe without the use of tools.	☐	☐	☐
• The UEBSS shall have provision for connection of a supplied airline for extended duration use while reserving the cylinder supply for egress.	☐	☐	☐
• The UEBSS shall connect to a supplied airline using an extended duration airline adapter.	☐	☐	☐
• The extended duration airline adapter shall have a female quick connect fitting on one end to connect to the UEBSS.	☐	☐	☐
• The extended duration airline adapter shall have a male quick connect fitting on one end to connect to a supplied airline. The adapter shall be able to accommodate Hansen, Foster, Hansen HK, or Schrader.	☐	☐	☐
• The extended duration airline adapter shall have a check valve to prevent the accidental loss of air when the adapter is disconnected from the supplied airline.	☐	☐	☐
	Product:		
Integrated Self-Rescue Belt	Meets	Does Not Meet	Exception
• The optional integrated self-rescue belt shall be compliant to the NFPA 1981, 2018 edition and NFPA 1983, 2017 edition standards.	☐	☐	☐
• The waist belt shall be available in a single size, adjustable to fit waist sizes 28” to 50”.	☐	☐	☐
• The waist belt shall be constructed of 100% Kevlar webbing.	☐	☐	☐
• The waist belt shall be fire-resistant to meet the NFPA 1981, 2018 edition standard.	☐	☐	☐
• The waist belt shall have dual adjustment points to allow the belt to remain centered while donning.	☐	☐	☐
• The waist belt shall utilize side thumb-release buckles for ease of doffing.	☐	☐	☐
• The waist belt shall incorporate an optional quick release feature to jettison the SCBA.	☐	☐	☐
• The waist belt shall have a non-jettison option.	☐	☐	☐

• The waist belt shall utilize the patented COBRA buckle system.	☐	☐	☐
• The waist belt shall include a D-ring integrated into the front buckle that can be utilized as an NFPA 1983 rated attachment or positioning point.	☐	☐	☐
• The assembly shall consist of the following components: waist belt, life safety rope, fall descent device and anchor connector.	☐	☐	☐
• The life safety rope shall be Tsafe 7.5mm escape rope utilizing a Technora sheath and nylon core construction.	☐	☐	☐
• The descent device shall be an auto-locking F4 descender with single brake.	☐	☐	☐
• The system shall have an option for either a lightweight, aluminum Lightning GT hook or a steel Crosby hook.	☐	☐	☐
• The complete system shall be capable of a 3,034 lb. static load.	☐	☐	☐
	Product:		
Electronic Voice Communications	Meets	Does Not Meet	Exception
• The respirator shall have an optional facepiece-mounted voice amplification device to electronically project the user's voice. Refer to EPIC 3 Voice Amplifier Bid Specifications, H/S 7093	☐	☐	☐
• The respirator shall have an optional facepiece-mounted radio interface communication system that provides voice amplification and wireless communication with two-way radios. Refer to EPIC 3 RI Voice Communication System Bid Specifications, H/S 7489	☐	☐	☐
• The respirator shall have an optional facepiece-mounted radio direct interface communication system that provides voice amplification and wireless communication with two-way radios. Refer to EPIC 3 RDI Voice Amplifier Bid Specifications, H/S 7570	☐	☐	☐
	Product:		
In-Mask Thermal Intelligence	Meets	Does Not Meet	Exception
• The respirator shall have an optional hands-free, in-mask thermal intelligence system.	☐	☐	☐
• The in-mask thermal intelligence system shall consist of a facepiece-mounted thermal imaging camera and an in-mask display.	☐	☐	☐

• The in-mask thermal intelligence system shall be approved to NIOSH 42 CFR Part 84 and NFPA 1981, 2018 edition.	☐	☐	☐

General Requirements

Exceptions: Any exceptions taken to the specifications shall be submitted in writing along with the bid.

Authorized Sale Distributor: The successful bidder must be a sales distributer authorized by the manufacturer to sell the equipment specified here in. A signed document from the manufacture confirming this must be included with the bid.

Delivery Timeline and Quantities: The successful bidder must be able to deliver the SCBA equipment in the desired quantities within 60 days of the bid awarded and/or order placement. It is expected that the initial purchase will be up to 94 SCBA.

Training: The successful bidder shall provide at their expense a factory trained instructor for training on the respirator. The user shall require complete instruction on the operation, service, and maintenance of the respirator.

Factory Authorized Service: Support and service shall be available from a factory authorized local service center. The service center shall be capable of performing and/or assisting in all maintenance and repair at the buyer's facility. Service technicians shall be factory trained and authorized by the equipment manufacture. Under normal circumstances a qualified service technician shall be capable of responding for service within 48 hours.

Warranty:

1) The SCBA shall be covered under a warranty providing protection against defects in materials or workmanship.
2) This warranty shall be for a period of at least 15 years on the SCBA.
3) This warranty shall not have exclusions other than consumables.
4) This warranty shall not require a registration in order to activate.
5) This warranty shall not be contingent upon completing mandatory overhaul or recommended preventative maintenance.

Inter-local Joint Purchasing: It is the intent of the bid document to make available to other local government entities of the State of Washington and neighboring states, as authorized by the inter-local purchasing agreement as provided by the RCW 39.34. The right to purchase the same equipment/product at the same price quoted for the period of the contract. Therefore, upon award and execution of the contract, the bid unit price and any potion prices herein shall remain valid until December 31, 2020. Additional units may be ordered per inter-local agreement after the date; however, any price increases may be added to the price.

SKAGIT PUBLISHING
C/O ISJ PAYMENT PROCESSING CENTER
PO BOX 1570
POCATELLO ID 83204-1570
(360)424-3251
Fax (360)416-2161

ORDER CONFIRMATION

Salesperson: JEANETTE MOODY — Printed at 10/14/19 10:23 by jka30

Acct #: 231036 — Ad #: 1955762 — Status: New

SKAGIT COUNTY FIRE DISTRICT NO. 6
16220 PETERSON ROAD
BURLINGTON WA 98233

Start: 10/16/2019 — Stop: 10/23/2019
Times Ord: 2 — Times Run: ***
STDS 1.00 X 13.33 — Words: 349
Total STDS 13.50
Class: 0001 LEGAL NOTICES
Rate: SVHOR — Cost: 435.24
Affidavits: 1

Contact:
Phone: (360)757-2891
Fax#: (360)757-6537
Email: jsaulsbury@skagitfire6.com
Agency:

Ad Descrpt: SVH-1955762
Given by: *
P.O. #:
Created: jka30 10/14/19 10:14
Last Changed: jka30 10/14/19 10:22

PUB	ZONE	EDT	TP	RUN DATES
SVH	A	97	S	10/16,23
SVWN	A	97	S	10/16,23

AUTHORIZATION

Under this agreement rates are subject to change with 30 days notice. In the event of a cancellation before schedule completion, I understand that the rate charged will be based upon the rate for the number of insertions used.

_____ _____
Name (print or type) Name (signature)

(CONTINUED ON NEXT PAGE)

This ad has been reformatted for proofing purposes. Column breaks are not necessarily as they will appear in publication.

Bid Specifications for
Skagit County
Fire District No. 6

Notice for Bids

SCBA

Sealed bids will be accepted for furnishing Skagit County Fire District No. 6, Skagit County Fire District No. 2, Skagit County Fire District No. 12, Skagit County Fire District No. 14 and the City of Burlington hereinafter referred to as "the Department", up to 94 Open-Circuit Self-Contained Breathing Apparatus for Emergency Services in accordance with plans and specifications on file with the Department. The funding is provided through a FEMA Assistance to Firefighters Grant.

Bids will be received at the headquarters fire station located at 16220 Peterson Road, Burlington, WA 98233 until 12 noon pacific time on the 5 th of November 2019. Bids will only be accepted Monday-Friday from 8 a.m. to 12 noon pacific time or via certified mail. Notifications of award will go out November 18 th, 2019. Bid Specifications may be obtained by emailing District Secretary Janel Saulsbury at jsaulsbury@skagitfire6.com

The bidder shall submit a proposal document detailing the manufacturer's name and address, description of the equipment proposed, equipment price, and delivery of the equipment time frame. The bidder's proposal document shall be signed by an authorized representative of the vendor. By the signing of the proposal document, the bidder agrees the proposal is, in all respects, fair and without collusion or fraud. Proposals shall not be accepted from bidders who cannot meet this requirement.

The purchaser reserves the right to reject any or all proposals or accept any deemed to be in the best interest of the purchaser and shall not be bound to accept a low bid proposal.

Only bidders and manufacturers which conduct business inside the United States shall be considered. The definition of a United States bidder and manufacturer is: "The Company who resides, pays taxes, and manufactures within the United States of America." **There will be no exceptions to this requirement.**

Any questions concerning this bid specification shall be in writing and must be approved by the District. Questions should be directed to:

Paul Wagner, Fire Chief
pwagner@skagitfire6.com
360-757-2891 (office)

Published
October 16 & 23, 2019
SVH-1955762

MES
MUNICIPAL EMERGENCY SERVICES

11/5/2019

Bid Proposal

Skagit County Fire District No. 6

Distributor

Enclosed is the response by Municipal Emergency Services, Inc. (MES) to the Skagit County Fire District No. 6 Notice for Bids request for the purchase of Self Contained Breathing Apparatus.

MES, incorporated in November 2000, is headquartered in Connecticut and is the largest supplier of first responder equipment in the U.S. We are a financially stable company with annual sales in excess of $225 million. The President of MES is Tom X. Hubregsen. Dave Mooney is the Region Vice President with overall responsibilities in the Western U.S., Greg Baker is the local territory salesman, residing in Stanwood, WA. and Donald Gardner is your local Scott Service Tech residing in Burlington, WA. Our headquarters office is located at 7 Poverty Rd 85H Bennett Sq Southbury, CT 06488 and our regional office is located at 3801 Fruit Valley Rd Ste C Vancouver, WA 98660.

Manufacturer

This proposal contains our bid for the 3M Scott Air-Pak X3 Pro SCBA. 3M Scott SCBA are manufactured in North Carolina at 3M Scott Fire & Safety Headquarters, 4320 Goldmine Road Monroe, NC 28110

Equipment

MES proposes the purchase of the 3M Scott Air-Pak X3 Pro SCBA and will meet or exceed all of the SCBA Bid Specification without exception. In addition, our proposal includes the following options:

- 5500 psi operating system
- Snap-change cylinder technology
- 45 minute 5500 psi air cylinders
- Quick disconnect regulator hose
- UEBSS with pouch

Pricing

Pricing has been included in an attached pricing sheet

MES
MUNICIPAL EMERGENCY SERVICES

Exceptions

MES takes exception to the Inter-local Joint Purchasing terms in regards to *"...prices herein shall remain valid until December 31, 2020".* MES will hold pricing based on award of this contract through December 31, 2019.

Trade in value on used equipment, if allowed, will be assessed on a case by case basis.

Authorized Sale Distributor

MES is the largest authorized 3M Scott distributor in the United States and holds a 1F rating (top tier fire service distributor). Please see attached authorized distributor agreement.

Delivery Timeline and Quantities

Working with 3M Scott we believe the requested delivery of 60 days is reasonable and achievable. However, we are entering the holiday season with many days of plant closure on the horizon including an annual inventory. MES and 3M Scott will work diligently to meet the request of 60 days delivery based on 94 SCBA's being purchased. Please note that delivery may be affected by the timing of the order placement on the factory and/or other conditions outside of the control of MES and 3M Scott. As such, MES or 3M Scott will assume no liability for late delivery.

Training

MES and/or 3M Scott representative will provide training on use, operation, service and routine maintenance on the SCBA. At a minimum, this will include; donning, doffing, cylinder connection, regulator connection, UEBSS, care and cleaning, daily checks, and inspection.

Factory Authorized Service

MES employs about 100 mobile service technicians, including 5 covering Washington State, and houses 18 service centers. Our local service center is in Vancouver, WA. Two of our factory trained and authorized mobile service technicians reside in Skagit County. Donald Gardner, our lead service tech, resides in Burlington and Adam Gardner resides in Sedro Wooley. It is our intention to comply with the requirement to respond for service within 48 hours under normal circumstances.

MES
MUNICIPAL EMERGENCY SERVICES

Warranty

MES follows the 3M Scott factory warranty against defects in materials and workmanship. The warranty remains valid for as long the original owner owns the SCBA. The warranty policy from 3M Scott is included in our proposal as an attachment and does not require registration to activate or mandatory overhauls or other maintenance to remain in effect.

Inter-local Joint Purchasing

MES agrees to this term except for the period in which pricing shall be held. MES intends to hold pricing based on award of this contract through December 31, 2019. In addition, trade in value on used equipment, if allowed, will be assessed on a case by case basis.

We appreciate your consideration when making your selection for your SCBA and related equipment. We have supplied a complete and comprehensive proposal but please feel free to reach out to me directly should you have any questions pertaining to our proposal. I look forward to growing our relationships with the Skagit County Fire Districts and the City of Burlington.

Sincerely,

Josh Varner
Municipal Emergency Services, Inc
Sales Manager - Northwest
Northwest Office
3801 Fruit Valley Rd Ste C
Vancouver, WA 98660
360-737-3800 office
619-806-8009 cell
360-737-1632 fax
jvarner@mesfire.com

STATE OF WASHINGTON

RESELLER PERMIT

Washington State Department of Revenue

PO Box 47476 • Olympia, WA 98504-7476 • 1-800-647-7706

602 271 487
MUNICIPAL EMERGENCY SERVICES INC
7 POVERTY RD
SOUTHBURY, CT 06488-2285

Permit Number: A08 9769 21

Effective Date: 01-01-2018
Expiration Date: 12-31-2021

Business Activities:
ALL OTHER MISCELLANEOUS STORE RETAILERS (EXCEPT TOBACCO STORES)

This permit can be used to purchase:
- Merchandise and inventory for resale without intervening use
- Ingredients, components, or chemicals used in processing new articles of tangible personal property produced for sale
- Feed, seed, seedlings, fertilizer, and spray materials by a farmer
- Materials and contract labor for retail/wholesale construction
- Items for dual purposes (see Purchases for Dual Purposes on back)

This permit cannot be used to purchase:
- Items for personal or household use
- Promotional items or gifts
- Items used in your business that are not resold, such as office supplies, equipment, tools, and equipment rentals
- Materials and contract labor for public road construction or U.S. government contracting (see Definitions on back)
- Materials and contract labor for speculative building

This permit is no longer valid if the business is closed.

The business named on this permit acknowledges:
- It is solely responsible for all purchases made under this permit
- Misuse of the permit:
  - Subjects the business to a penalty of 50 percent of the tax due, in addition to the tax, interest, and penalties imposed (RCW 82.32.291)
  - May result in this permit being revoked

Notes *(optional)*: _____

_____

_____

Important: The Department of Revenue may use information from sellers to verify all purchases made with this permit were qualified.

3M General Offices

3M Center
St. Paul, MN 55144-1000
651 733 1110

now proudly part of 3M: SCOTT SAFETY

February 12, 2018

To Whom it may concern,

This letter serves as notification that Municipal Emergency Services Inc. (MES) is a distributor of SCOTT Safety products parts and is an authorized service, repair and warranty service for SCOTT Safety supplies and equipment in the State of Washington.

Sincerely,

Brad Watson
Western Zone Manager
720-244-1898

SCOTT SAFETY

Scott Safety is now proudly part of 3M.

SCOTT™
Fire & Safety

NFPA 1981/1982, 2018 COMPLIANT AIR-PAK™ SCBA LIMITED WARRANTY

3M™ Scott™ Fire & Safety (3M SCOTT) warrants NFPA 1981/1982, 2018 compliant Air-Pak SCBA, including facepiece and cylinder (THE PRODUCTS) to be free from defects in workmanship and materials for as long as THE PRODUCTS are owned by the original end-user purchaser. This warranty applies to all components of THE PRODUCTS including all accessories and optional equipment purchased and supplied at the time of original sale of THE PRODUCTS, except voice communication devices and accessories, in-mask thermal imaging devices, integrated self-rescue belts, consumable supplies, and carrying cases.

3M SCOTT warrants all voice communication devices and in-mask thermal imaging devices to be free from defects in workmanship and materials for a period of five (5) years from the date of original manufacture by 3M SCOTT.

3M SCOTT warrants all integrated self-rescue belts, paddle PTT accessories, ring PTT accessories, throat mic accessories, command communication headset accessories, programmer modules, consumable supplies, and carrying cases to be free from defects in workmanship and materials for a period of one (1) year from the date of original manufacture by 3M SCOTT.

3M SCOTT's obligation under this warranty is limited to replacing or repairing (at 3M SCOTT's option) THE PRODUCTS or components shown to be defective in either workmanship or materials.

Only personnel of 3M SCOTT or, when directed by 3M SCOTT, authorized 3M SCOTT service providers are authorized to perform warranty obligations. This warranty does not apply to defects or damage caused by any repairs of or alterations to THE PRODUCTS made by owner or any third party unless expressly permitted by 3M SCOTT product manuals or by written authorization from 3M SCOTT. To obtain performance under this warranty, and as a condition precedent to any duty of 3M SCOTT, the purchaser must return such products to 3M SCOTT, a 3M SCOTT authorized distributor or a 3M SCOTT authorized service center. Any product returned to 3M SCOTT shall be sent to "3M SCOTT FIRE & SAFETY" (Attn: Warranty Claim Dept.), 4320 Goldmine Road, Monroe, NC 28110.

This warranty does not apply to any malfunction of or damage to THE PRODUCTS resulting from accident, misuse or abuse.

THIS WARRANTY IS MADE IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN ADDITION, 3M SCOTT EXPRESSLY DISCLAIMS ANY LIABILITY FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES IN ANY WAY CONNECTED WITH THE SALE OR USE OF 3M SCOTT PRODUCTS, AND NO OTHER FIRM OR PERSON IS AUTHORIZED TO ASSUME ANY SUCH LIABILITY. THIS WARRANTY APPLIES ONLY TO THE ORIGINAL END-USER PURCHASER AND IS NON-TRANSFERABLE.

3M | SCOTT Fire & Safety

Questions and Answers

As Long As You Own It
Air-Pak SCBA Warranty

Question
What is the warranty period?

Answer
The warranty period is for as long as you own the product.

Question
What does the warranty cover?

Answer
The warranty covers defects in workmanship and materials for as long as the product is owned by the original end-user purchaser.

Question
What products are covered under the warranty?

Answer
The warranty covers the Air-Pak X3 Pro SCBA, including the integrated PASS device, compliant to the NFPA 1981/1982, 2018 Edition standards. An Air-Pak X3 Pro SCBA consists of a backframe & harness, pressure reducer, mask-mounted regulator, facepiece, and carbon-wrapped cylinders.

Question
Does the warranty cover accessories?

Answer
As part of the new As Long As You Own It warranty, 3M Scott has extended the warranty period to five (5) years for the facepiece-mounted communications and hands-free Sight thermal imager devices.

Question
Are there any exclusions with the warranty?

Answer
The warranty excludes communications accessories, alkaline batteries, carrying cases, and storage bags.

Question
Do I have to register my Air-Pak X3 Pro SCBA to activate the warranty?

Answer
Registration is not required to activate the warranty upon purchase by the end-user.

Question
Are there any requirements to maintain the warranty?

Answer
In support of a lower total cost of ownership for the Air-Pak X3 Pro SCBA, the warranty does not require any forced parts replacement, periodic overhaul, or functional testing of the product. It is suggested to follow the manufacturer's recommended testing schedule, as outlined in the user instructions for the product.

Question
Is the warranty transferable?

Answer
The warranty only applies to the original end-user purchaser of the Air-Pak X3 Pro SCBA, compliant to the NFPA 1981/1982, 2018 Edition standards.

Question
Is the warranty retroactive to older Air-Pak SCBA products?

Answer
The warranty only applies to the Air-Pak X3 Pro SCBA, compliant to the NFPA 1981/1982, 2018 Edition standards.

Question
How do I obtain warranty support?

Answer
3M Scott Fire & Safety offers an extensive network of authorized distributor service centers with factory trained and certified technicians to provide warranty service support for the Air-Pak X3 Pro SCBA and other ancillary products. 3M Scott Fire & Safety also offers in-house service programs that provide flexibility for those customers that wish to take ownership of their own service needs.

Question
Where can I find the warranty terms?

Answer
Full warranty terms can be found in the user instructions provided with the Air-Pak X3 Pro SCBA, compliant to the NFPA 1981, 2018 Edition standard.

3M Scott Fire & Safety
Personal Safety Division
Monroe Center, P.O. Box 569
Monroe, NC 28111

Phone 1-800-247-7257
Email US-3M-ScottMonroeCSR@mmm.com
Web 3MScott.com

H/S 7709_RevA_EN 8/19 ISO 9001 Registered.

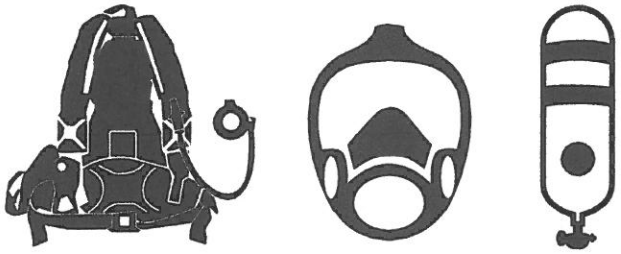
3M | SCOTT™ Fire & Safety

Introducing an exciting change to the warranty for the 3M™ Scott™ Air-Pak™ X3 Pro SCBA.

Air-Pak™ SCBA ★★★ WARRANTY

When you purchase a 3M Scott Air-Pak X3 Pro SCBA, compliant to the NFPA 1981, 2018 Edition standard, you will receive a bumper-to-bumper warranty for as long as you own the product at no additional cost.

- ✓ Backframe & Harness
- ✓ Pneumatics
- ✓ Electronics
- ✓ Facepiece
- ✓ Cylinder



No Additional Cost

With the **As Long As You Own It – Air-Pak SCBA Warranty**, customers will have peace of mind knowing that their most important investment is backed for the lifetime ownership of the product. No more crunching numbers to help manage maintenance costs towards the end of the product's life cycle.

This latest warranty from 3M Scott Fire & Safety reinforces our commitment to you - **the customer** - and further reduces your lifetime cost of ownership for the Air-Pak X3 Pro SCBA.

Stay tuned for more information!

SCBA Purchase Bid Specification

DESCRIPTION

The intent of these specifications is to establish the minimum requirements for the furnishing open-circuit self- contained breathing apparatus (SCBA). The SCBA shall consist of the following major sub-assemblies:

1) Full face piece assembly
2) A removable face piece-mounted positive pressure breathing regulator with air saver switch.
3) An automatic duel path redundant pressure reducing regulator.
4) End of service time indicators.
5) A harness and back frame assembly for supporting the equipment on the body.
6) A shoulder strap mounted remote gauge indicating cylinder pressure.
7) A rapid intervention crew with universal air connection (RIC/UAC).
8) Two cylinders and valve assemblies for storing breathing air under pressure.
9) Personal alert system with firefighter locator.
10) Preference will be given to manufacturers that offer Buy Back Credit on existing equipment (Pack harness, bottles, masks and RIT packs.

The SCBA specification detailed here in are based on a 5,500 PSI operating system.

Regulatory Approvals	Product:		
	Meets	Does Not Meet	Exception
• The SCBA shall be approved to NIOSH 42 CFR, Part 84 for chemical, biological, radiological and nuclear protection (CBRN).	☒	☐	☐
• The SCBA shall be compliant to the NFPA 1981, 2018 Edition, Standard on Open-Circuit Self-Contained Breathing Apparatus for Emergency Services.	☒	☐	☐
• The SCBA shall be compliant to the NFPA 1982, 2018 Edition (if including optional PASS Device), Standard on Personal Alert Safety Systems.	☒	☐	☐
• If the SCBA is to include an optional integrated self-rescue device, the device shall be compliant to the NFPA 1983, 2017 Edition, Standard on Life Safety Rope and Equipment for Emergency Services.	☒	☐	☐
• All electronic components shall be approved for Intrinsic Safety under UL 913 Class I, Groups C and D, Class II, Groups E, F and G, Hazardous locations.	☒	☐	☐

Required Components	Product:		
Facepiece	Meets	Does Not Meet	Exception
• The facepiece shall have a large diameter inlet serving as the female half of a quarter (1/4) turn coupling which mates with the positive pressure breathing regulator.	☒	☐	☐
• The facepiece shall be approved for use with multiple respiratory applications to enable the same user to switch from one application to another without the use of tools and without doffing the facepiece.	☒	☐	☐
• The full facepiece assembly shall fit persons of varying facial shapes and sizes with minimal visual interference.	☒	☐	☐
• The full facepiece assembly shall be available in three sizes marked "S" for small, "M" for Medium and "L" for large.	☒	☐	☐
• The facepiece sizes shall be easily identifiable through a color-coding scheme.	☒	☐	☐
• The facepiece assembly, including head harness, shall be latex free.	☒	☐	☐
• The facepiece series shall have a faceseal that is secured to the lens by a U-shaped channel frame that is retained to the lens using two fasteners.	☒	☐	☐
• The faceseal shall be a single design for enhanced fit and comfort.	☒	☐	☐
• The facepiece shall contain inhalation valves that are readily visible to enable quick visual inspection.	☒	☐	☐
• The lens shall be a single, replaceable, modified cone configuration constructed of a non-shatter type polycarbonate material.	☒	☐	☐
• In accordance with NIOSH 42 CFR part 84, the facepiece shall meet the penetration and impact requirements, including compliance with ANSI Z87.1 – 2010.	☒	☐	☐
• The lens shall have a coating to resist abrasion and chemical attack and meet the requirements of NFPA 1981, for lens abrasion.	☒	☐	☐
• The lens shall have an internal anti-fog coating to reduce fogging of the lens.	☒	☐	☐
• Multi-directional voicemitters shall be mounted on both sides of the facepiece and ducted directly to an integral silicone nosecup to enhance voice transmission.	☒	☐	☐

• The facepiece assembly shall be able to incorporate multiple electronic communications options (amplification, radio interface, radio direct interface) without affecting NIOSH approvals or NFPA/CBRN approvals where applicable.	☒	☐	☐
• The facepiece shall enable the installation of communications bracket on either the right or left side.	☒	☐	☐
• The head harness shall be available in a five-point suspension made in the fashion of a net hood to minimize interference between securing of the facepiece and the wearing of head protection.	☒	☐	☐
• The head harness shall be available in a five-strap and four-strap configuration.	☒	☐	☐
• The head harness shall be constructed of a para-aramid material for fire, first responder and CBRN applications.	☒	☐	☐
• The head harness shall include either a positioning strap or an integrated handle to assist with donning of the facepiece.	☒	☐	☐
• Two flame resistant elastic straps, attached to the faceseal in four locations, shall provide adjustment for proper face sealing.	☒	☐	☐
	Product:		
Mask-Mounted Regulator	Meets	Does Not Meet	Exception
• The facepiece-mounted positive pressure-breathing regulator shall supply and maintain air to the facepiece to satisfy the needs of the user at a pressure greater than atmospheric by no more than 1.5 inches of water pressure static.	☒	☐	☐
• The breathing regulator shall maintain positive pressure during flows of up to 500 standard liters per minute.	☒	☐	☐
• The breathing regulator shall also meet or exceed a dynamic flow requirement of remaining positive while supplying a minute volume of 160 liters.	☒	☐	☐
• The breathing regulator shall have attached a low-pressure hose which shall be threaded through the left shoulder strap to couple to the pressure-reducing regulator mounted on the backframe.	☒	☐	☐
• An optional breathing regulator with an inline quick connect coupling shall be available for use with the optional outlet manifold and accessory hose to allow the breathing regulator to be disconnected from the unit and reconnected to the auxiliary hose of a second unit in the event rescue is required.	☒	☐	☐
• The optional quick connect coupling shall be easily connected and disconnected by trained individuals with a gloved hand and/or in low light conditions.	☒	☐	☐

• The optional quick connect coupling shall not allow the air hose to be connected without the HUD Connection.	☒	☐	☐
• The optional quick connect coupling shall also be guarded against inadvertent disconnect during use of the equipment.	☒	☐	☐
• The low-pressure hose shall be equipped with a swivel attachment at the facepiece mounted breathing regulator.	☒	☐	☐
• The breathing regulator shall connect to the facepiece by way of a quarter (1/4) turn coupling.	☒	☐	☐
• The user shall hear an audible sound when the breathing regulator is attached correctly to the facepiece.	☒	☐	☐
• The breathing regulator shall be equipped with a doughnut-shaped gasket which provides a seal against the mating surface of the facepiece.	☒	☐	☐
• The breathing regulator cover shall be fabricated of a flame resistant, high impact plastic.	☒	☐	☐
• The breathing regulator shall have a demand valve to deliver air to the user, activated by a diaphragm responsive to respiration.	☒	☐	☐
• The demand valve shall use an extended temperature range dynamic O-ring seal composed of a fluorosilicone elastomer.	☒	☐	☐
• The diaphragm shall include the system exhalation valve and shall be constructed from a high strength butyl elastomer.	☒	☐	☐
• A purge valve shall be situated at the inlet of the breathing regulator and shall be capable of delivering airflow of between 125 and 225 standard liters per minute.	☒	☐	☐
• The breathing regulator shall be designed to direct the incoming air through a spray bar and over the inner surface of the facepiece lens for defogging purposes.	☒	☐	☐
• The components of the breathing regulator shall be constructed of materials that are not vulnerable to corrosion.	☒	☐	☐
• The flame-resistant cover shall contain an air saver switch and pressure demand bias mechanism.	☒	☐	☐

• The breathing regulator shall reactivate and supply air only in the positive pressure mode when the wearer affects a face seal and inhales.	☒	☐	☐
• This device shall not affect the breathing flow through the system while in operation.	☒	☐	☐
	Product:		
Pressure Reducer with Snap-Change Cylinder Connection	Meets	Does Not Meet	Exception
• The pressure-reducing regulator shall be mounted at the waist on the backframe and be coupled to the cylinder valve through a patented stainless steel quick connect snout for engagement and sealing within the cylinder valve outlet.	☒	☐	☐
• The cylinder shall be secured to the pressure-reducing regulator with two pull-rings 180° from each other.	☒	☐	☐
• A stainless-steel rod shall secure each of the pull-rings to prevent removal of the cylinder while the SCBA is pressurized.	☒	☐	☐
• The stainless-steel rods shall be actuated when the cylinder is opened and when cylinder pressure is above 30 psig.	☒	☐	☐
• In lieu of a manual by-pass, the pressure-reducing regulator shall include a back-up pressure-reducing valve connected in parallel with the primary pressure-reducing valve and an automatic transfer valve for redundant control.	☒	☐	☐
• The back-up pressure-reducing valve shall also be the means of activating the low-pressure alarm devices in the facepiece-mounted breathing regulator.	☒	☐	☐
• This warning shall denote a switch from the primary reducing valve to the back-up reducing valve whether from a malfunction of the primary reducing valve or from low cylinder supply pressure.	☒	☐	☐
• A press-to-test valve shall be included to allow functional testing of the back-up reducing valve.	☒	☐	☐
• The pressure-reducing regulator shall have extended temperature range dynamic O-ring seals composed of fluorosilicone elastomer.	☒	☐	☐
• The pressure-reducing regulator shall have incorporated a reseatable over-pressurization relief valve which shall prevent the attached low-pressure hose and facepiece-mounted breathing regulator from being subjected to high pressure.	☒	☐	☐
	Product:		
Pressure Reducer with CGA Cylinder Connection	Meets	Does Not Meet	Exception
• The pressure-reducing regulator shall be mounted at the waist on the backframe and be coupled to the cylinder valve through a short length of internally armored high-pressure hose with a hand coupling for engagement and sealing within the cylinder valve outlet.	☒	☐	☐

• In lieu of a manual by-pass, the pressure-reducing regulator shall include a back-up pressure-reducing valve connected in parallel with the primary pressure-reducing valve and an automatic transfer valve for redundant control.	☒	☐	☐
• The back-up pressure-reducing valve shall also be the means of activating the low-pressure alarm devices in the facepiece-mounted breathing regulator.	☒	☐	☐
• This warning shall denote a switch from the primary reducing valve to the back-up reducing valve whether from a malfunction of the primary reducing valve or from low cylinder supply pressure.	☒	☐	☐
• A press-to-test valve shall be included to allow functional testing of the back-up reducing valve.	☒	☐	☐
• The pressure-reducing regulator shall have extended temperature range dynamic O-ring seals composed of fluorosilicone elastomer.	☒	☐	☐
• The pressure-reducing regulator shall have incorporated a reseatable over-pressurization relief valve which shall prevent the attached low-pressure hose and facepiece-mounted breathing regulator from being subjected to high pressure.	☒	☐	☐
	Product:		
End-of-Service Time Indicator (EOSTI)	Meets	Does Not Meet	Exception
• The SCBA shall have two end-of-service time indicators (EOSTI). A tactile alarm and a Heads-Up Display (HUD).	☒	☐	☐
• The primary EOSTI shall be the integral low-pressure alarm device that shall combine an audible alarm with simultaneous vibration of the facepiece.	☒	☐	☐
• The primary EOSTI shall be located in the facepiece-mounted positive pressure breathing regulator.	☒	☐	☐
• This alarm device shall indicate either low cylinder pressure (35% +/- 2%) or a malfunction of the primary pressure-reducing valve (first stage regulator).	☒	☐	☐
• The HUD shall serve as the secondary EOSTI.	☒	☐	☐
• The HUD shall be powered by the SCBA's single power supply.	☒	☐	☐
• It shall be mounted in the user's field of vision on the facepiece-mounted positive pressure breathing regulator.	☒	☐	☐

• It shall display cylinder pressure in increments of 100%, 75%, 50% and 35%.	☒	☐	☐
• The display shall not have a numerical representation of cylinder pressure.	☒	☐	☐
• At full cylinder pressure, two green Light Emitting Diodes (LED) shall be illuminated.	☒	☐	☐
• At three-quarter cylinder pressure, one green LED shall be illuminated.	☒	☐	☐
• At one-half cylinder pressure, one "yellow" LED shall be illuminated and flash at a rate not to exceed one (1x) time per second.	☒	☐	☐
• At one-third cylinder pressure, one "red" LED shall be illuminated and flash at a rate not to exceed ten (10x) times per second.	☒	☐	☐
• The HUD shall have a low battery indication that is distinct and distinguishable from the cylinder pressure indications.	☒	☐	☐
	Product:		
Harness and Backframe Assembly	Meets	Does Not Meet	Exception
• A lightweight, lumbar support style backframe and harness assembly shall be used to carry the cylinder and valve assembly and the pressure-reducing regulator assembly.	☒	☐	☐
• The backframe shall be a solid, one-piece black powder-coated aluminum alloy frame that is contoured to follow the shape of the user's back.	☒	☐	☐
• The backframe shall include a shroud to streamline hose and wire management by minimizing exposure of the low-pressure hose and electronics molded cable.	☒	☐	☐
• The backframe shall include a mounting for the pressure reducing regulator located at the waist.	☒	☐	☐
• The backframe shall include an over-the-center, adjustable tri-slide fixture, a para-aramid strap and a double-locking latch assembly to secure 30, 45, 60, or 75-minute cylinders.	☒	☐	☐
• The backframe shall include a mounting area suitable for installation of a distress alarm integrated with the SCBA.	☒	☐	☐
• The mounting area shall permit installation of a distress alarm sensor module in an area between the pressure reducer and the backframe.	☒	☐	☐

• The harness assembly shall include a waist pad and shoulder pads constructed of an outer shell material and incorporating a closed-cell foam design to help minimize water absorption.	☒	☐	☐
• The harness assembly shall incorporate parachute-type, quick-release buckles with an integrated bail to help secure the webbing. Optional spring (alligator) clips shall also be available.	☒	☐	☐
• The harness assembly shall consist of a one size black para-aramid strap with two red stripes along the outer edges and a reflective stripe in the center for enhanced visibility.	☒	☐	☐
• The harness assembly shall include a seat-belt type waist belt attachment.	☒	☐	☐
• The harness assembly shall include box-stitched construction with no screws or bolts.	☒	☐	☐
• The harness assembly shall be removable from the backframe without the use of tools.	☒	☐	☐
• The harness assembly shall be machine washable to help with exposure reduction.	☒	☐	☐
• The harness assembly shall accommodate a waist belt extension.	☒	☐	☐
• The waist pad shall be attached to the backframe such that movement by the wearer provides natural articulation. Articulation shall be accomplished without the use of mechanical devices.	☒	☐	☐
• The waist pad and belt shall freely wrap around and conform to the wearers' hips.	☒	☐	☐
• The shoulder harness shall be fitted with a Drag Rescue Loop (DRL) capable of being deployed in an emergency situation to drag a downed firefighter to safety.	☒	☐	☐
• The Drag Rescue Loop (DRL) shall be sewn into the shoulder harness assembly and shall provide a horizontal pull strength of 1000 lbs.	☒	☐	☐
• The Drag Rescue Loop (DRL) shall be stored in a manner to prevent accidental snag but maintain accessibility with gloved hands.	☒	☐	☐
• The shoulder harness shall be attached to the backframe such that the harness presents itself for ease of donning.	☒	☐	☐

• The shoulder harness shall include reflective material to enhance the visibility of the wearer in low-light conditions.	☒	☐	☐
• The shoulder harness shall accommodate two distinct positions for a chest strap attachment.	☒	☐	☐
• The shoulder harness shall accommodate a mounting clip for attachment of a handheld radio remote speaker microphone.	☒	☐	☐
	Product:		
Rapid Intervention Crew / Universal Air Connection (RIC/UAC)	Meets	Does Not Meet	Exception
• The SCBA shall incorporate a RIC/UAC fitting to be compliant with the 2018 edition of the NFPA 1981 Self-Contained Breathing Apparatus standard.	☒	☐	☐
• The RIC/UAC shall be an integral part of the pressure reducer and protected by the backframe.	☒	☐	☐
• The RIC/UAC inlet connection shall be within 4" (4-inches) of the tip of the CGA threads of the cylinder valve.	☒	☐	☐
• The RIC/UAC shall consist of a connection for attaching a high-pressure air source and a self-resetting relief valve allowing a higher pressure than that of the SCBA to be attached to the SCBA.	☒	☐	☐
• The self-resetting relief valve shall be color-coded to identify pressure rating of the SCBA.	☒	☐	☐
• The RIC/UAC shall have a check valve to prevent the loss of air when the high-pressure air source has been disconnected.	☒	☐	☐
	Product:		
Cylinder	Meets	Does Not Meet	Exception
• The cylinder threads shall be straight with an O-ring or quad-ring gasket type seal.	☒	☐	☐
• The cylinder valve shall be a "fail open" type, constructed of forged aluminum and designed such that no stem packing or packing gland nuts are required.	☒	☐	☐
• It shall contain an upper and lower seat such that the pressure will seal the stem on the upperseat, thus preventing leakage past the stem.	☒	☐	☐
• No adjustment shall be necessary during the life of the valve.	☒	☐	☐

• If the SCBA is equipped with a CGA cylinder connection, the cylinder valve outlet shall be a modification of the Compressed Gas Association (CGA) standard threaded connection number 346 for breathing air for 2216 and CGA 347 for 4500 and 5500 systems.	☒	☐	☐
• If the SCBA is equipped with a Snap-Change Cylinder connection, the cylinder valve shall be designed with a patented stainless steel quick connect snout that delivers air directly to the first stage pressure-reducing regulator. The quick connect snout shall be an integral part of the cylinder valve, rather than an adapter that threads onto the CGA fitting.	☒	☐	☐
• If the SCBA is equipped with a Snap-Change Cylinder connection, the cylinder valve shall be offered with a CGA 346 or CGA 347 fitting for the purposes of filling the cylinder only.	☒	☐	☐
• If the SCBA is equipped with a Snap-Change Cylinder connection, the fill fitting shall have a check valve to prevent flow from the cylinder.	☒	☐	☐
• If the SCBA is equipped with a Snap-Change Cylinder connection, the fill fitting shall be provided with a dust cover to protect threads from damage and prevent interior surfaces from being contaminated when not in use.	☒	☐	☐
• If the SCBA is equipped with a Snap-Change Cylinder connection, the dust cover shall be retained to the cylinder valve.	☒	☐	☐
• Each cylinder valve shall consist of the following: 1) a hand activated valve mechanism with a spring-loaded, positive action, ratchet type safety lock and lock-out release for selecting "lock open service" or "non-lock open service"; 2) an upstream connected frangible disc safety relief device; 3) a dual reading pressure gauge indicating cylinder pressure at all times; 4) an elastomeric bumper; 5) an angled outlet.	☒	☐	☐
• The cylinder valve shall have an RFID tag molded into the elastomeric bumper with a universal RFID marking embossment.	☒	☐	☐
• The RFID tag shall be capable of storing product specific information, including serial number, manufacture date, hydrostatic test date, pressure rating, life expectancy, and fill logs.	☒	☐	☐
• The SCBA shall maintain all NIOSH and NFPA standards with any of the following types of cylinders listed as provided by the SCBA manufacturer.	☒	☐	☐
Carbon-Wrapped			
• The cylinder shall be manufactured in accordance with DOT specifications and meet the Transport Canada requirements with working pressures of 5500 psig.	☒	☐	☐
• The cylinder shall be lightweight, composite type cylinder consisting of an aluminum alloy inner shell, with a total overwrap of carbon fiber, fiberglass and an epoxy resin.	☒	☐	☐
• The cylinder shall have a 2D barcode located under the protective gel coat programmed with the following information, at a minimum: serial number, manufacture date, and hydrostatic test date.	☒	☐	☐

• The cylinder shall be available in a 30-minute, 45-minute, 60-minute or 75-minute duration based on the NIOSH breathing rate of 40 liters per minute (lpm).	☒	☐	☐
• The cylinder shall be available in an approved 30-year life design as defined by the DOT Special Permit 14232.	☒	☐	☐
• The cylinder shall have department logo and name located under the protective gel coat.	☒	☐	☐
	Product:		
Warranty	Meets	Does Not Meet	Exception
• The unit shall be covered by a warranty providing protection against defects in materials or workmanship.	☒	☐	☐
• This warranty shall be for a period of 15 years on the SCBA.	☒	☐	☐
• This warranty shall not have any exclusions other than consumables and carrying cases.	☒	☐	☐
• This warranty shall not require a registration in order to activate.	☒	☐	☐
• This warranty shall not be contingent upon completing mandatory overhaul or recommended preventative maintenance.	☒	☐	☐
	Product:		
Personal Alert Safety System with Firefighter Locator	Meets	Does Not Meet	Exception
• The PASS Device shall be compliant to the NFPA 1982, 2018 Edition Standard on Personal Alert Safety Systems.	☒	☐	☐
• Operation of this distress alarm shall be initiated with the opening of the valve of an SCBA charged cylinder.	☒	☐	☐
• The system shall feature a "hands-free" re-set capability that may be activated by means of a slight movement of the SCBA when the system is in a pre-alarm mode.	☒	☐	☐
• The system shall operate from a single power source containing six "AA" batteries.	☒	☐	☐
• The battery life of the SCBA with PASS only shall be no less than 200 hours.	☒	☐	☐

• The system shall have a battery check function that provides an LED indication of battery status while the SCBA is not pressurized.	☒	☐	☐
• When the PASS is manually activated, the locator system shall immediately emit a 2.4 GHz signal to be received by a separate hand-held receiver.	☒	☐	☐
• When the PASS is activated due to lack of motion, the locator system shall have a ten second delay prior to emitting a 2.4 GHz signal to be received by a separate hand-held receiver.	☒	☐	☐
• The system shall utilize a 2.4 GHz signal to provide the best path to a "downed" firefighter.	☒	☐	☐
• The locating system shall be programmable with eight alpha-numeric characters to provide identification information.	☒	☐	☐
• The PASS device shall contain two components: a Console and a Sensor Module.	☒	☐	☐
• When the PASS device goes into pre-alarm, the user shall be notified through a distinct light pattern in the breathing regulator-mounted HUD display.	☒	☐	☐
Console			
• The console shall be located on the user's right shoulder harness.	☒	☐	☐
• The console shall contain an integral edge lit mechanical pressure gauge that is automatically turned on by opening the cylinder valve.	☒	☐	☐
• The console shall display to the user the following: Pre-Alarm: alternating red flashing LED's; Full Alarm: dual flashing red LED's and a flashing PASS icon; Low Battery: red flashing LED's; Normal System Operation: flashing green LED.	☒	☐	☐
• The console shall contain a photo sensing diode that automatically adjust the brightness of the HUD as the ambient lighting conditions change.	☒	☐	☐
• The console shall contain an integrated RFID tag.	☒	☐	☐
• The console shall contain push buttons for user interface.	☒	☐	☐
• The push buttons shall be designed to minimize accidental activation.	☒	☐	☐

• A yellow color-coded push button shall permit system re-set.	☒	☐	☐
• A red color-coded push button shall permit manual activation of the full alarm mode.	☒	☐	☐
• The console shall be equipped with a LED "External HUD" allowing others to determine the wearer's cylinder pressure through the same color-code scheme as the breathing regulator-mounted HUD.	☒	☐	☐
• A green LED shall be illuminated across the gauge face to indicate a cylinder with greater than half cylinder pressure.	☒	☐	☐
• A yellow LED shall be illuminated across the gauge face to indicate a cylinder with less than half cylinder pressure.	☒	☐	☐
• A red LED shall be illuminated across the gauge face to indicate a cylinder with less than 35% cylinder pressure.	☒	☐	☐
Sensor Module			
• The system shall include a sensor module mounted to the SCBA backframe and located in an area between the cylinder and backframe in a manner designed to protect the assembly from damage.	☒	☐	☐
• The sensor module shall contain a motion sensor that is sensitive to user hip movement to reduce false activations.	☒	☐	☐
• The sensor module shall contain redundant, dual sound emitters for the audible alarm and dual visual "buddy" indicator lights.	☒	☐	☐
• The sensor module sound emitters shall be oriented in multi-directions for optimal sound projection.	☒	☐	☐
• The sensor module sound emitters shall broadcast a unique alarm tone for the following conditions: Pre-alarm PASS, Full-alarm PASS, EVAC, System Integrity, PAR, and Low-battery.	☒	☐	☐
• The visual indicators on the backframe mounted sensor module shall flash green during normal operation.	☒	☐	☐
• The visual indicators shall flash red when the device is in pre-alarm and full-alarm.	☒	☐	☐
• The visual indicators shall flash orange when the SCBA has reached one-half cylinder pressure.	☒	☐	☐

• The visual indicators shall flash a combination of red, green, and white when the SCBA has reached 35% cylinder pressure.	☒	☐	☐
• The sensor module shall have a Bluetooth chip set integral to the unit to provide wireless connectivity to external devices.	☒	☐	☐
Optional Components	Product:		
Personal Alert Safety System with Accountability	Meets	Does Not Meet	Exception
• The PASS Device shall be compliant to the NFPA 1982, 2018 Edition Standard on Personal Alert Safety Systems.	☒	☐	☐
• Operation of this distress alarm shall be initiated with the opening of the valve of an SCBA charged cylinder.	☒	☐	☐
• The system shall feature a "hands-free" re-set capability that may be activated by means of a slight movement of the SCBA when the system is in a pre-alarm mode.	☒	☐	☐
• The system shall operate from a single power source containing six "AA" batteries.	☒	☐	☐
• The system shall have a battery check function that provides an LED indication of battery status while the SCBA is not pressurized.	☒	☐	☐
• When the PASS is manually activated, the locator system shall immediately emit a 2.4 GHz signal to be received by a separate hand-held receiver.	☒	☐	☐
• When the PASS is activated due to lack of motion, the locator system shall have a ten second delay prior to emitting a 2.4 GHz signal to be received by a separate hand-held receiver.	☒	☐	☐
• The system shall utilize a 2.4 GHz signal to provide the best path to a "downed" firefighter.	☒	☐	☐
• The locating system shall be programmable with eight alpha-numeric characters to provide identification information.	☒	☐	☐
• The system shall transmit user status information at a frequency of 2.4 GHz on a self-healing mesh network system that when deployed allows each energized SCBA to function as a repeater ensuring system connectivity.	☒	☐	☐
• The system shall provide bi-directional communications between incident command and the SCBA wearer.	☒	☐	☐
• The communication shall contain: the user's name or ID, cylinder pressure, PASS alarms, PASS acknowledgement, evacuation status, evacuation acknowledgement, withdraw status, withdraw acknowledgement, system status, and electronic PAR status,	☒	☐	☐

• The PASS device shall contain two components: a Console and a Sensor Module.	☒	☐	☐
• When the PASS device goes into pre-alarm, the user shall be notified through a distinct flashing light pattern in the regulator-mounted HUD display.	☒	☐	☐
Console			
• The console shall be located on the user's right shoulder harness.	☒	☐	☐
• The control console shall come with a mechanical (analog) pressure gauge that is angled at 30°.	☒	☐	☐
• The console shall contain an integral edge lit mechanical pressure gauge that is automatically turned on by opening the cylinder valve.	☒	☐	☐
• The console shall display to the user the following: Pre-Alarm: alternating red flashing LED's; Full Alarm: dual flashing red LED's and a flashing PASS icon; Low Battery: red flashing LED's; Normal System Operation: flashing green LED.	☒	☐	☐
• The console shall also include icons to indicate range status, evacuation, withdraw (self-evacuation), ePAR, and when the system is ready to receive the user's ID through an RFID card.	☒	☐	☐
• The console shall contain a photo sensing diode that automatically adjusts the brightness of the HUD as the ambient lighting conditions change.	☒	☐	☐
• The console shall contain an integrated RFID tag.	☒	☐	☐
• The console shall contain push buttons for user interface.	☒	☐	☐
• The push buttons shall be designed to minimize accidental activation.	☒	☐	☐
• A yellow color-coded push button shall permit system re-set.	☒	☐	☐
• A red color-coded push button shall permit manual activation of the full alarm mode.	☒	☐	☐
• A gray color-coded push button shall permit the activation of the withdraw mode.	☒	☐	☐

• The console shall be equipped with a LED "External HUD" allowing others to determine the wearer's cylinder pressure through the same color-code scheme as the breathing regulator-mounted HUD.	☒	☐	☐
• A green LED shall be illuminated across the gauge face to indicate a cylinder with greater than half cylinder pressure.	☒	☐	☐
• A yellow LED shall be illuminated across the gauge face to indicate a cylinder with less than half cylinder pressure.	☒	☐	☐
• A red LED shall be illuminated across the gauge face to indicate a cylinder with less than 35% cylinder pressure.	☒	☐	☐
Sensor Module			
• The system shall include a sensor module mounted to the SCBA backframe and located in an area between the cylinder and backframe in a manner designed to protect the assembly from damage.	☒	☐	☐
• The sensor module shall contain a motion sensor that is sensitive to user hip movement to reduce false activations.	☒	☐	☐
• The sensor module shall contain redundant, dual sound emitters for the audible alarm and dual visual "buddy" indicator lights.	☒	☐	☐
• The sensor module sound emitters shall be oriented in multi-directions for optimal sound projection.	☒	☐	☐
• The sensor module sound emitters shall broadcast a unique alarm tone for the following conditions: Pre-alarm PASS, Full-alarm PASS, EVAC, System Integrity, ePAR, and Low-battery.	☒	☐	☐
• The visual indicators on the backframe mounted sensor module shall flash green during normal operation.	☒	☐	☐
• The visual indicators shall flash red when the device is in pre-alarm and full-alarm.	☒	☐	☐
• The visual indicators shall flash orange when the SCBA has reached one-half cylinder pressure.	☒	☐	☐
• The visual indicators shall flash a combination of red, green, and white when the SCBA has reached 35% cylinder pressure.	☒	☐	☐
• The sensor module shall have a Bluetooth chip set integral to the unit to provide wireless connectivity to external devices.	☒	☐	☐

	Product:		
Universal Emergency Breathing Safety System (UEBSS)	Meets	Does Not Meet	Exception
• The optional Universal Emergency Breathing Safety System (UEBSS) shall be approved to NIOSH 42CFR, Part 84 and NFPA 1981, 2018 Edition.	☒	☐	☐
• The UEBSS shall have one of each of the following requirements; (1) a manifold with one each of a Rectus female socket and Rectus male plug, both of which have check valves, (2) 40" minimum low-pressure hose, (3) a pouch for storing the hose, and (4) a dust cap for the female socket and male plug.	☒	☐	☐
• The UEBSS shall be positioned on the wearer's right side and shall be capable of allowing for six feet of hose between like systems.	☒	☐	☐
• The manifold shall be made of aluminum and be anodized black.	☒	☐	☐
• The female socket and male plug shall have spacing, no less than 15° off-center.	☒	☐	☐
• The female socket shall have a double action to disengage, noted as a "push-in/pull-back".	☒	☐	☐
• The female socket shall have an internal check valve.	☒	☐	☐
• The male plug shall have an external check valve.	☒	☐	☐
• The hose shall be made of high temperature rubber capable of sustaining a maximum 250 psig of pressure.	☒	☐	☐
• The containment system shall include a pouch and shall be made of para-aramid materials and shall be capable of storing 36" of hose.	☒	☐	☐
• The pouch shall be attached to the SCBA by snap fasteners.	☒	☐	☐
• The pouch shall have a pull-strap to assist with opening of the flap and gaining access to the hose and manifold assembly.	☒	☐	☐
• The pouch shall be marked "UEBSS" and be constructed of reflective material.	☒	☐	☐

• The pouch shall be removable from the backframe without the use of tools.	☒	☐	☐
• The UEBSS shall have provision for connection of a supplied airline for extended duration use while reserving the cylinder supply for egress.	☒	☐	☐
• The UEBSS shall connect to a supplied airline using an extended duration airline adapter.	☒	☐	☐
• The extended duration airline adapter shall have a female quick connect fitting on one end to connect to the UEBSS.	☒	☐	☐
• The extended duration airline adapter shall have a male quick connect fitting on one end to connect to a supplied airline. The adapter shall be able to accommodate Hansen, Foster, Hansen HK, or Schrader.	☒	☐	☐
• The extended duration airline adapter shall have a check valve to prevent the accidental loss of air when the adapter is disconnected from the supplied airline.	☒	☐	☐
	Product:		
Integrated Self-Rescue Belt	Meets	Does Not Meet	Exception
• The optional integrated self-rescue belt shall be compliant to the NFPA 1981, 2018 edition and NFPA 1983, 2017 edition standards.	☒	☐	☐
• The waist belt shall be available in a single size, adjustable to fit waist sizes 28" to 50".	☒	☐	☐
• The waist belt shall be constructed of 100% Kevlar webbing.	☒	☐	☐
• The waist belt shall be fire-resistant to meet the NFPA 1981, 2018 edition standard.	☒	☐	☐
• The waist belt shall have dual adjustment points to allow the belt to remain centered while donning.	☒	☐	☐
• The waist belt shall utilize side thumb-release buckles for ease of doffing.	☒	☐	☐
• The waist belt shall incorporate an optional quick release feature to jettison the SCBA.	☒	☐	☐
• The waist belt shall have a non-jettison option.	☒	☐	☐

• The waist belt shall utilize the patented COBRA buckle system.	☒	☐	☐
• The waist belt shall include a D-ring integrated into the front buckle that can be utilized as an NFPA 1983 rated attachment or positioning point.	☒	☐	☐
• The assembly shall consist of the following components: waist belt, life safety rope, fall descent device and anchor connector.	☒	☐	☐
• The life safety rope shall be Tsafe 7.5mm escape rope utilizing a Technora sheath and nylon core construction.	☒	☐	☐
• The descent device shall be an auto-locking F4 descender with single brake.	☒	☐	☐
• The system shall have an option for either a lightweight, aluminum Lightning GT hook or a steel Crosby hook.	☒	☐	☐
• The complete system shall be capable of a 3,034 lb. static load.	☒	☐	☐
	Product:		
Electronic Voice Communications	Meets	Does Not Meet	Exception
• The respirator shall have an optional facepiece-mounted voice amplification device to electronically project the user's voice. Refer to EPIC 3 Voice Amplifier Bid Specifications, H/S 7093	☒	☐	☐
• The respirator shall have an optional facepiece-mounted radio interface communication system that provides voice amplification and wireless communication with two-way radios. Refer to EPIC 3 RI Voice Communication System Bid Specifications, H/S 7489	☒	☐	☐
• The respirator shall have an optional facepiece-mounted radio direct interface communication system that provides voice amplification and wireless communication with two-way radios. Refer to EPIC 3 RDI Voice Amplifier Bid Specifications, H/S 7570	☒	☐	☐
	Product:		
In-Mask Thermal Intelligence	Meets	Does Not Meet	Exception
• The respirator shall have an optional hands-free, in-mask thermal intelligence system.	☒	☐	☐
• The in-mask thermal intelligence system shall consist of a facepiece-mounted thermal imaging camera and an in-mask display.	☒	☐	☐

MUNICIPAL EMERGENCY SERVICES

3801 Fruit Valley Rd.
Suite C
Vancouver, WA 98660

Quote

Date	11/27/2019
Quote #	QT1316811
Expires	12/27/2019
Sales Rep	Baker, Gregory J
PO #	Scott
Shipping Method	FedEx Ground

Bill To

SKAGIT CO FIRE DIST #6
16220 PETERSON RD
BURLINGTON WA 98233-3670

Ship To

SKAGIT CO FIRE DIST 6
16220 PETERSON RD
Burlington WA 98233
United States

Item	Alt. Item #	Units	Description	QTY	Unit Sales Pri...	Amount
Scott Part	FP1MK00000...		FP1MK0000000000 Scott Part New Scott mask Masks for Skagit 2	35	322.00	11,270.00
200970-01			CYL&VALV,QD,CARB,45/5500 ASSY Skagit 2 Please note they well be get department logo on them	30	1,291.00	38,730.00
200970-01			CYL&VALV,QD,CARB,45/5500 ASSY Skagit 2 Please note they well be get department logo on them	30	0.00	0.00
Used Airpak Credit				94	(1,643.00)	(154,442.00)
CYL LOGO 2-COLOR			CYLINDER LOGO CHARGE - COLORED LOGO Skagit 2 department logo	63	50.00	3,150.00
201564-12			RIT-Pak FA, MED, 5500 Skagit 2 Rit kit	3	2,156.47	6,469.41
201568-01			Cylinder & Valve assembly, 45/5500, 90 degree Skagit 2 Rit kit with department logo	3	1,175.01	3,525.03
Scott X3	X8915026305...		X8915026305304 Scott X3 New 2018 packs with new mask and Reg. Packs for Skagit 2	30	7,053.75	211,612.50
Scott Part	FP1MK00000...		FP1MK0000000000 Scott Part New Scott mask Masks for Skagit 6	35	322.00	11,270.00
200970-01			CYL&VALV,QD,CARB,45/5500 ASSY Skagit 6 Please note they well be get department logo on them	20	1,291.00	25,820.00
200970-01			CYL&VALV,QD,CARB,45/5500 ASSY Skagit 6 Please note they well be get department logo on them	20	0.00	0.00
CYL LOGO 2-COLOR			CYLINDER LOGO CHARGE - COLORED LOGO Skagit 6 department logo	42	50.00	2,100.00
201564-12			RIT-Pak FA, MED, 5500 Skagit 6 Rit kit	2	2,156.47	4,312.94
201568-01			Cylinder & Valve assembly, 45/5500, 90 degree Skagit 6 Rit kit with department logo	2	1,175.01	2,350.02
Scott X3	X8915026305...		X8915026305304 Scott X3 New 2018 packs with new mask and Reg. Packs for Skagit 6	18	7,053.75	126,967.50
Scott Part	FP1MK00000...		FP1MK0000000000	40	322.00	12,880.00

MUNICIPAL EMERGENCY SERVICES

Quote

Date 11/27/2019

Quote # QT1316811

Item	Alt. Item #	Units	Description	QTY	Unit Sales Pri...	Amount
			Scott Part New Scott mask Masks for Burlington fire			
200970-01			CYL&VALV,QD,CARB,45/5500 ASSY Burlington fire Please note they well be get department logo on them	25	1,291.00	32,275.00
200970-01			CYL&VALV,QD,CARB,45/5500 ASSY Burlington fire Please note they well be get department logo on them	25	0.00	0.00
201564-12			RIT-Pak FA, MED, 5500 Burlington fire Rit kit	2	2,156.47	4,312.94
201568-01			Cylinder & Valve assembly, 45/5500, 90 degree Burlington fire Rit kit with department logo	2	1,175.01	2,350.02
Scott X3	X8915026305...		X8915026305304 Scott X3 New 2018 packs with new mask and Reg. Packs for Burlington fire	20	7,053.75	141,075.00
CYL LOGO 2-COLOR			CYLINDER LOGO CHARGE - COLORED LOGO Burlington fire department logo	52	50.00	2,600.00
Scott Part	FP1MK00000...		FP1MK0000000000 Scott Part New Scott mask Masks for Skagit 14	28	322.00	9,016.00
200970-01			CYL&VALV,QD,CARB,45/5500 ASSY Skagit 14 Please note they well be get department logo on them	14	1,291.00	18,074.00
200970-01			CYL&VALV,QD,CARB,45/5500 ASSY Skagit 14 Please note they well be get department logo on them	14	0.00	0.00
CYL LOGO 2-COLOR			CYLINDER LOGO CHARGE - COLORED LOGO Skagit 14 department logo	28	50.00	1,400.00
Scott X3	X8915026305...		X8915026305304 Scott X3 New 2018 packs with new mask and Reg. Packs for Skagit 14	14	7,053.75	98,752.50
Scott Part	FP1MK00000...		FP1MK0000000000 Scott Part New Scott mask Masks for Skagit 12	24	322.00	7,728.00
200970-01			CYL&VALV,QD,CARB,45/5500 ASSY Skagit 12 Please note they well be get department logo on them	12	1,291.00	15,492.00
200970-01			CYL&VALV,QD,CARB,45/5500 ASSY Skagit 12 Please note they well be get department logo on them	12	0.00	0.00
CYL LOGO 2-COLOR			CYLINDER LOGO CHARGE - COLORED LOGO Skagit 12 department logo	24	50.00	1,200.00
Scott X3	X8915026305...		X8915026305304 Scott X3 New 2018 packs with new mask and Reg. Packs for Skagit 12	12	7,053.75	84,645.00

MUNICIPAL EMERGENCY SERVICES

Quote

Date 11/27/2019
Quote # QT1316811

Item	Alt. Item #	Units	Description	QTY	Unit Sales Pri...	Amount

Logo cylinders for all departments
We need a copy of all the department patches.

Subtotal	724,935.86
Shipping Cost (FedEx Ground)	0.00
Tax	58,719.80
Total	$783,655.66

This Quotation is subject to any applicable sales tax and shipping & handling charges that may apply. Tax and shipping charges are considered estimated and will be recalculated at the time of shipment to ensure they take into account the most current local tax information.

All returns must be processed within 30 days of receipt and require a return authorization number and are subject to a restocking fee.

Custom orders are not returnable. Effective tax rate will be applicable at the time of invoice.

QT1316811

MSA Corporate Center
1000 Cranberry Woods Drive
Cranberry Township, PA 16066
800.MSA.2222
www.MSAnet.com

October 31, 2019

Chief Paul Wagner
Skagit County Fire District No. 6
16220 Peterson Road
Burlington, WA 98233

Dear Chief Wagner:

This letter confirms that SeaWestern Inc is an authorized distributor of MSA safety products for the Municipal Fire Service Market for the Skagit County, Washington.

By way of background, in the fire service / first responder markets, MSA imposes specific requirements upon our distributors, which can result in a small number of distributors authorized to call upon a particular region. We impose these requirements because the equipment we manufacture and sell requires the involvement of partners with special knowledge, training and experience. Accordingly MSA's distributors are obligated to acquire and maintain extensive knowledge, training, and experience necessary to properly educate, assist and service our end user customers before, during and after the sale. MSA's fire service / first responder distributor qualification requirements are likewise intended to ensure the highest possible end user customer experience.

If you desire additional information about MSA, its product lines, or channel partners, please do not hesitate to contact me. Thank you for your interest in our products.

Sincerely,

Scott McGuire

Scott McGuire
North American Sales Channels Specialist
Phone: 724-742-8028
Email: scott.mcguire@MSAsafety.com

Quote

SeaWestern, Inc
P.O. Box 51,
Kirkland, WA 98083

SEAWESTERN
FIRE FIGHTING EQUIPMENT

Phone: 425-821-5858
Fax: 425-823-0636
Email: Info@seawestern.com
www.seawestern.com

Bill To	Ship To
SKAGIT CO FIRE DIST #6 16220 PETERSON RD BURLINGTON WA 98233 United States	SKAGIT CO FIRE DIST #6 16220 PETERSON RD BURLINGTON WA 98233 United States

Date	10/24/2019
Customer No.	10727
Quote No.	QUO659

Customer Contact	Delivery	FOB

Sales Rep
Jana Barmore
(360) 961-8048
Jana@seawestern.com

Qty	Unit	Part Number	Description	Unit Price	Extended Price
1	EA	G1 SCBA (Non-Inventory)	MSA G1 Breathing Apparatus, NFPA 1981, 2013 Compliant Edition - Includes: 5500 PSI Operating System with Remote Quick Connect Cylinder System, G1 Harness Standard without Chest Strap, Metal Cylinder band, Adjustable Swiveling Lumbar Pad, Regulator with Solid Cover and Continuous Low Pressure Hose, Amplifier System on Left Chest, PASS Device on Right Shoulder, Alkaline Battery System, 15-Year Manufacturer Warranty on all Pneumatics & Electronics ATO: 5412MA2C0LAA Includes: (1) MSA G1 - ATO: 541MA2C0LAA (2) MSA G1 5500 Cylinder w/ Quick Connect (1) MSA G1 Mask	6,909.00	6,909.00
1	EA	G1 RIT System	Includes: 60 Minute High Pressure 4500 PSI, Low Air Alarm with Universal Rescue Connection, High Pressure 1st Stage Regulator, "G1" 2nd Stage Regulator, Six Foot High Pressure Hose with Universal Rescue Connection and "G1" Facepiece in True North RIT Bag Pricing valid until 11/22/19 for above listed quantities.	4,500.00	4,500.00

Seawestern Sales Rep: Jana Barmore
Jana Barmore 11-2-19

Subtotal	11,409.00
Tax (WA_BURLINGTON 8.5%	969.77
Total	$12,378.77

Pricing valid for above listed quantities
Restocking fee up to 25% will apply on any non-stock merchandise
Returns within 30 days of receipt
Custom orders are non-cancellable, non-returnable

August 4, 2017

MSA
The Safety Company

MSA North America
Ryan Lab
1100 Cranberry Woods Drive
Cranberry Township, PA 16066

724.776.7700

RE: MSA G1 SCBA Warranty

To whom it may concern,

MSA has been the world's leading manufacturer of high-quality safety products since 1914. Our products may be simple to use and maintain, but they're also highly-sophisticated— the result of countless R&D hours, relentless testing, and an unwavering commitment to quality that saves lives and protects men and women around the globe each and every day.

To reinforce how strongly we feel about the design and reliability of our all new, MSA G1 SCBA, we made the decision to implement our industry's most comprehensive SCBA warranty. This warranty promises that your MSA G1 SCBA* will be free from defects in materials and/or faulty workmanship for a period of fifteen years from the date of sale. Our goal here is to offer long term peace of mind regarding the quality and reliability you will experience if you choose the MSA G1 SCBA.

It's been brought to our attention that some of our competitors are questioning specific language in the G1 warranty statement. While we certainly understand this sales tactic, we would like to take the opportunity to be explicitly clear about our warranty language and our commitment to a best-in-class customer experience. If a component of an MSA G1 SCBA is defective in material or exhibits faulty workmanship in the first fifteen years, you are covered. This includes components which we source from our extensive supplier network.

We're hopeful that these actions make clear the confidence we have in our SCBA and eliminate any misperceptions regarding the integrity of our warranty and MSA's unwavering commitment to quality.

*This warranty expressly excludes the G1 SCBA Integrated Thermal Imaging Camera. For warranty information regarding the G1 SCBA Integrated Thermal Imaging Camera please see the *G1 SCBA Integrated Thermal Imaging Camera Warranty.*

Sincerely,

Jason Traynor
Global Product Business Director

MSA Corporate Center
1000 Cranberry Woods Drive
Cranberry Township, PA 16066
800.MSA.2222
www.MSAnet.com

MSA – The Safety Company

MSA G1 SCBA

Limited Warranty and Terms of Sale

Express Warranty — MSA - The Safety Company (MSA) warrants MSA G1 SCBA (SCBA) to be free from defects in materials and/or faulty workmanship for a period of fifteen (15) years from the date of sale by MSA. This warranty applies to all components* of the SCBA including all accessories and optional equipment purchased and supplied at the time of the original sale. MSA's obligation under this warranty is limited to the repair or replacement, at MSA's option, of the SCBA or components shown to be defective in either workmanship or materials.

No agent, employee or representative of MSA may bind MSA to any affirmation, representation or modification of the warranty concerning the goods sold under this contract.

MSA shall be released from all obligations under this warranty in the event that repairs or modifications are made by persons other than its own or authorized service personnel, or if the warranty claim results from accident, alteration, misuse, or abuse.

*This warranty expressly excludes the G1 SCBA Integrated Thermal Imaging Camera. For warranty information regarding the G1 SCBA Integrated Thermal Imaging Camera please see the *G1 SCBA Integrated Thermal Imaging Camera Warranty.*

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTEES, EXPRESSED, IMPLIED, OR STATUTORY INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN ADDITION, MSA EXPRESSLY DISCLAIMS ANY LIABILITY FOR ECONOMIC, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES IN ANY WAY CONNECTED WITH THE SALE OR USE OF MSA PRODUCTS, INCLUDING, BUT NOT LIMITED TO, LOSS OF ANTICIPATED PROFITS.

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MSA
The Safety Company

SeaWestern Description of Service Capabilities:

- SeaWestern has been an MSA Distributor for over 37 years! Partnering together all those years to put the Customers first.
- SeaWestern has been servicing MSA SCBA's for that same amount of time – 37 years. Much longer than any other Distributor in the Northwest.
- SeaWestern has (3) full time Certified technicians and the local Sales Representative, Jana Barmore, is also MSA Care Certified.
- SeaWestern has a Fully equipped and staffed SCBA Care facility located in Kirkland, Wa.
- SeaWestern has (2) technicians that Flow test yearly, traveling to the Fire Departments, and are able to do repairs at that time too if necessary.

MSA G1 SCBA references
Pacific North West

KEIZER FIRE
MATT DRYDEN
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BENTON COUNTY FIRE DIST #1
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POLK COUNTY FIRE DISTRICT #1
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General Requirements

Exceptions: Any exceptions taken to the specifications shall be submitted in writing along with the bid.

Authorized Sale Distributor: The successful bidder must be a sales distributer authorized by the manufacturer to sell the equipment specified here in. A signed document from the manufacture confirming this must be included with the bid.

See document in packet

Delivery Timeline and Quantities: The successful bidder must be able to deliver the SCBA equipment in the desired quantities within 60 days of the bid awarded and/or order placement. It is expected that the initial purchase will be up to 94 SCBA.

MSA G1's can be delivered in this 90 day timeframe

Training: The successful bidder shall provide at their expense a factory trained instructor for training on the respirator. The user shall require complete instruction on the operation, service, and maintenance of the respirator.

SeaWestern will provide free in-service training for all personnel

Factory Authorized Service: Support and service shall be available from a factory authorized local service center. The service center shall be capable of performing and/or assisting in all maintenance and repair at the buyer's facility. Service technicians shall be factory trained and authorized by the equipment manufacture. Under normal circumstances a qualified service technician shall be capable of responding for service within 48 hours.

SeaWestern has a full service center with 3 technicians located in Kirkland, Wa. Jana Barmore, Sales Representative, is also CARE certified and does on-site repairs at the Department.

Warranty:

1) The SCBA shall be covered under a warranty providing protection against defects in materials or workmanship. 2) This warranty shall be for a period of at least 15 years on the SCBA. 3) This warranty shall not have exclusions other than consumables. 4) This warranty shall not require a registration in order to activate. 5) This warranty shall not be contingent upon completing mandatory overhaul or recommended preventative maintenance.

Warranty documents in packet. It is a 15 year warranty providing protection against defects in materials or workmanship. Warranty is not contingent upon completing a mandatory overhaul or recommended preventative maintenance. Warranty does not require a registration in order to activate. Warranty covers everything but consumables.

Inter-local Joint Purchasing: It is the intent of the bid document to make available to other local government entities of the State of Washington and neighboring states, as authorized by the inter-local purchasing agreement as provided by the RCW 39.34. The right to purchase the same equipment/product at the same price quoted for the period of the contract. Therefore, upon award and execution of the contract, the bid unit price and any potion prices herein shall remain valid until

December 31, 2020. Additional units may be ordered per inter-local agreement after the date; however, any price increases may be added to the price.

Yes, to above....SeaWestern confirms that the unit price and any potion prices herein shall remain valid until December 31, 2020. Additional units may be ordered per inter-local agreement after the date; however, any price increases may be added to the price.

SCBA Purchase Bid Specification

DESCRIPTION

The intent of these specifications is to establish the minimum requirements for the furnishing open-circuit self- contained breathing apparatus (SCBA). The SCBA shall consist of the following major sub-assemblies:

1) Full face piece assembly
2) A removable face piece-mounted positive pressure breathing regulator with air saver switch.
3) An automatic duel path redundant pressure reducing regulator.
4) End of service time indicators.
5) A harness and back frame assembly for supporting the equipment on the body.
6) A shoulder strap mounted remote gauge indicating cylinder pressure.
7) A rapid intervention crew with universal air connection (RIC/UAC).
8) Two cylinders and valve assemblies for storing breathing air under pressure.
9) Personal alert system with firefighter locator.
10) Preference will be given to manufacturers that offer Buy Back Credit on existing equipment (Pack harness, bottles, masks and RIT packs.

The SCBA specification detailed here in are based on a 5,500 PSI operating system.

Regulatory Approvals	Product:		
	Meets	Does Not Meet	Exception
• The SCBA shall be approved to NIOSH 42 CFR, Part 84 for chemical, biological, radiological and nuclear protection (CBRN).	☒	☐	☐
• The SCBA shall be compliant to the NFPA 1981, 2018 Edition, Standard on Open-Circuit Self-Contained Breathing Apparatus for Emergency Services.	☒	☐	☐
• The SCBA shall be compliant to the NFPA 1982, 2018 Edition (if including optional PASS Device), Standard on Personal Alert Safety Systems.	☒	☐	☐
• If the SCBA is to include an optional integrated self-rescue device, the device shall be compliant to the NFPA 1983, 2017 Edition, Standard on Life Safety Rope and Equipment for Emergency Services.	☐	☒	☐
• All electronic components shall be approved for Intrinsic Safety under UL 913 Class I, Groups C and D, Class II, Groups E, F and G, Hazardous locations.	☒	☐	☐

Required Components	Product:		
Facepiece	Meets	Does Not Meet	Exception
• The facepiece shall have a large diameter inlet serving as the female half of a quarter (1/4) turn coupling which mates with the positive pressure breathing regulator.	☐	☒	☐
• The facepiece shall be approved for use with multiple respiratory applications to enable the same user to switch from one application to another without the use of tools and without doffing the facepiece.	☒	☐	☐
• The full facepiece assembly shall fit persons of varying facial shapes and sizes with minimal visual interference.	☒	☐	☐
• The full facepiece assembly shall be available in three sizes marked "S" for small, "M" for Medium and "L" for large.	☒	☐	☐
• The facepiece sizes shall be easily identifiable through a color-coding scheme.	☒	☐	☐
• The facepiece assembly, including head harness, shall be latex free.	☒	☐	☐
• The facepiece series shall have a faceseal that is secured to the lens by a U-shaped channel frame that is retained to the lens using two fasteners.	☒	☐	☐
• The faceseal shall be a single design for enhanced fit and comfort.	☒	☐	☐
• The facepiece shall contain inhalation valves that are readily visible to enable quick visual inspection.	☒	☐	☐
• The lens shall be a single, replaceable, modified cone configuration constructed of a non-shatter type polycarbonate material.	☒	☐	☐
• In accordance with NIOSH 42 CFR part 84, the facepiece shall meet the penetration and impact requirements, including compliance with ANSI Z87.1 – 2010.	☒	☐	☐
• The lens shall have a coating to resist abrasion and chemical attack and meet the requirements of NFPA 1981, for lens abrasion.	☒	☐	☐
• The lens shall have an internal anti-fog coating to reduce fogging of the lens.	☐	☒	☐
• Multi-directional voicemitters shall be mounted on both sides of the facepiece and ducted directly to an integral silicone nosecup to enhance voice transmission.	☐	☒	☐

• The facepiece assembly shall be able to incorporate multiple electronic communications options (amplification, radio interface, radio direct interface) without affecting NIOSH approvals or NFPA/CBRN approvals where applicable.	☐	☒	☐
• The facepiece shall enable the installation of communications bracket on either the right or left side.	☐	☒	☐
• The head harness shall be available in a five-point suspension made in the fashion of a net hood to minimize interference between securing of the facepiece and the wearing of head protection.	☒	☐	☐
• The head harness shall be available in a five-strap and four-strap configuration.	☒	☐	☐
• The head harness shall be constructed of a para-aramid material for fire, first responder and CBRN applications.	☒	☐	☐
• The head harness shall include either a positioning strap or an integrated handle to assist with donning of the facepiece.	☒	☐	☐
• Two flame resistant elastic straps, attached to the faceseal in four locations, shall provide adjustment for proper face sealing.	☒	☐	☐
	Product:		
Mask-Mounted Regulator	Meets	Does Not Meet	Exception
• The facepiece-mounted positive pressure-breathing regulator shall supply and maintain air to the facepiece to satisfy the needs of the user at a pressure greater than atmospheric by no more than 1.5 inches of water pressure static.	☒	☐	☐
• The breathing regulator shall maintain positive pressure during flows of up to 500 standard liters per minute.	☒	☐	☐
• The breathing regulator shall also meet or exceed a dynamic flow requirement of remaining positive while supplying a minute volume of 160 liters.	☒	☐	☐
• The breathing regulator shall have attached a low-pressure hose which shall be threaded through the left shoulder strap to couple to the pressure-reducing regulator mounted on the backframe.	☐	☒	☐
• An optional breathing regulator with an inline quick connect coupling shall be available for use with the optional outlet manifold and accessory hose to allow the breathing regulator to be disconnected from the unit and reconnected to the auxiliary hose of a second unit in the event rescue is required.	☐	☒	☐
• The optional quick connect coupling shall be easily connected and disconnected by trained individuals with a gloved hand and/or in low light conditions.	☐	☒	☐

• The optional quick connect coupling shall not allow the air hose to be connected without the HUD Connection.	☐	☒	☐
• The optional quick connect coupling shall also be guarded against inadvertent disconnect during use of the equipment.	☐	☒	☐
• The low-pressure hose shall be equipped with a swivel attachment at the facepiece mounted breathing regulator.	☐	☒	☐
• The breathing regulator shall connect to the facepiece by way of a quarter (1/4) turn coupling.	☐	☒	☐
• The user shall hear an audible sound when the breathing regulator is attached correctly to the facepiece.	☐	☒	☐
• The breathing regulator shall be equipped with a doughnut-shaped gasket which provides a seal against the mating surface of the facepiece.	☐	☒	☐
• The breathing regulator cover shall be fabricated of a flame resistant, high impact plastic.	☒	☐	☐
• The breathing regulator shall have a demand valve to deliver air to the user, activated by a diaphragm responsive to respiration.	☒	☐	☐
• The demand valve shall use an extended temperature range dynamic O-ring seal composed of a fluorosilicone elastomer.	☐	☒	☐
• The diaphragm shall include the system exhalation valve and shall be constructed from a high strength butyl elastomer.	☐	☒	☐
• A purge valve shall be situated at the inlet of the breathing regulator and shall be capable of delivering airflow of between 125 and 225 standard liters per minute.	☐	☒	☐
• The breathing regulator shall be designed to direct the incoming air through a spray bar and over the inner surface of the facepiece lens for defogging purposes.	☐	☒	☐
• The components of the breathing regulator shall be constructed of materials that are not vulnerable to corrosion.	☒	☐	☐
• The flame-resistant cover shall contain an air saver switch and pressure demand bias mechanism.	☐	☒	☐

• The breathing regulator shall reactivate and supply air only in the positive pressure mode when the wearer affects a face seal and inhales.	☐	☒	☐
• This device shall not affect the breathing flow through the system while in operation.	☒	☐	☐
	Product:		
Pressure Reducer with Snap-Change Cylinder Connection	Meets	Does Not Meet	Exception
• The pressure-reducing regulator shall be mounted at the waist on the backframe and be coupled to the cylinder valve through a patented stainless steel quick connect snout for engagement and sealing within the cylinder valve outlet.	☐	☒	☐
• The cylinder shall be secured to the pressure-reducing regulator with two pull-rings 180° from each other.	☐	☒	☐
• A stainless-steel rod shall secure each of the pull-rings to prevent removal of the cylinder while the SCBA is pressurized.	☐	☒	☐
• The stainless-steel rods shall be actuated when the cylinder is opened and when cylinder pressure is above 30 psig.	☐	☒	☐
• In lieu of a manual by-pass, the pressure-reducing regulator shall include a back-up pressure-reducing valve connected in parallel with the primary pressure-reducing valve and an automatic transfer valve for redundant control.	☐	☒	☐
• The back-up pressure-reducing valve shall also be the means of activating the low-pressure alarm devices in the facepiece-mounted breathing regulator.	☐	☒	☐
• This warning shall denote a switch from the primary reducing valve to the back-up reducing valve whether from a malfunction of the primary reducing valve or from low cylinder supply pressure.	☐	☒	☐
• A press-to-test valve shall be included to allow functional testing of the back-up reducing valve.	☐	☒	☐
• The pressure-reducing regulator shall have extended temperature range dynamic O-ring seals composed of fluorosilicone elastomer.	☐	☒	☐
• The pressure-reducing regulator shall have incorporated a reseatable over-pressurization relief valve which shall prevent the attached low-pressure hose and facepiece-mounted breathing regulator from being subjected to high pressure.	☐	☒	☐
	Product:		
Pressure Reducer with CGA Cylinder Connection	Meets	Does Not Meet	Exception
• The pressure-reducing regulator shall be mounted at the waist on the backframe and be coupled to the cylinder valve through a short length of internally armored high-pressure hose with a hand coupling for engagement and sealing within the cylinder valve outlet.	☐	☒	☐

• In lieu of a manual by-pass, the pressure-reducing regulator shall include a back-up pressure-reducing valve connected in parallel with the primary pressure-reducing valve and an automatic transfer valve for redundant control.	☐	☒	☐
• The back-up pressure-reducing valve shall also be the means of activating the low-pressure alarm devices in the facepiece-mounted breathing regulator.	☐	☒	☐
• This warning shall denote a switch from the primary reducing valve to the back-up reducing valve whether from a malfunction of the primary reducing valve or from low cylinder supply pressure.	☐	☒	☐
• A press-to-test valve shall be included to allow functional testing of the back-up reducing valve.	☐	☒	☐
• The pressure-reducing regulator shall have extended temperature range dynamic O-ring seals composed of fluorosilicone elastomer.	☐	☒	☐
• The pressure-reducing regulator shall have incorporated a reseatable over-pressurization relief valve which shall prevent the attached low-pressure hose and facepiece-mounted breathing regulator from being subjected to high pressure.	☐	☒	☐
	Product:		
End-of-Service Time Indicator (EOSTI)	Meets	Does Not Meet	Exception
• The SCBA shall have two end-of-service time indicators (EOSTI). A tactile alarm and a Heads-Up Display (HUD).	☒	☐	☐
• The primary EOSTI shall be the integral low-pressure alarm device that shall combine an audible alarm with simultaneous vibration of the facepiece.	☐ →	☒	☐
• The primary EOSTI shall be located in the facepiece-mounted positive pressure breathing regulator.	☐	☒	☐
• This alarm device shall indicate either low cylinder pressure (35% +/- 2%) or a malfunction of the primary pressure-reducing valve (first stage regulator).	☐	☒	☐
• The HUD shall serve as the secondary EOSTI.	☒	☐	☐
• The HUD shall be powered by the SCBA's single power supply.	☒	☐	☐
• It shall be mounted in the user's field of vision on the facepiece-mounted positive pressure breathing regulator.	☐	☒	☐

• It shall display cylinder pressure in increments of 100%, 75%, 50% and 35%.	☒	☐	☐
• The display shall not have a numerical representation of cylinder pressure.	☒	☐	☐
• At full cylinder pressure, two green Light Emitting Diodes (LED) shall be illuminated.	☐	☒	☐
• At three-quarter cylinder pressure, one green LED shall be illuminated.	☐	☒	☐
• At one-half cylinder pressure, one "yellow" LED shall be illuminated and flash at a rate not to exceed one (1x) time per second.	☐	☒	☐
• At one-third cylinder pressure, one "red" LED shall be illuminated and flash at a rate not to exceed ten (10x) times per second.	☐	☒	☐
• The HUD shall have a low battery indication that is distinct and distinguishable from the cylinder pressure indications.	☐	☒	☐
	Product:		
Harness and Backframe Assembly	Meets	Does Not Meet	Exception
• A lightweight, lumbar support style backframe and harness assembly shall be used to carry the cylinder and valve assembly and the pressure-reducing regulator assembly.	☐	☒	☐
• The backframe shall be a solid, one-piece black powder-coated aluminum alloy frame that is contoured to follow the shape of the user's back.	☐	☒	☐
• The backframe shall include a shroud to streamline hose and wire management by minimizing exposure of the low-pressure hose and electronics molded cable.	☐	☒	☐
• The backframe shall include a mounting for the pressure reducing regulator located at the waist.	☐	☒	☐
• The backframe shall include an over-the-center, adjustable tri-slide fixture, a para-aramid strap and a double-locking latch assembly to secure 30, 45, 60, or 75-minute cylinders.	☐	☒	☐
• The backframe shall include a mounting area suitable for installation of a distress alarm integrated with the SCBA.	☐	☒	☐
• The mounting area shall permit installation of a distress alarm sensor module in an area between the pressure reducer and the backframe.	☐	☒	☐

• The harness assembly shall include a waist pad and shoulder pads constructed of an outer shell material and incorporating a closed-cell foam design to help minimize water absorption.	☐	☒	☐
• The harness assembly shall incorporate parachute-type, quick-release buckles with an integrated bail to help secure the webbing. Optional spring (alligator) clips shall also be available.	☐	☒	☐
• The harness assembly shall consist of a one size black para-aramid strap with two red stripes along the outer edges and a reflective stripe in the center for enhanced visibility.	☐	☒	☐
• The harness assembly shall include a seat-belt type waist belt attachment.	☐	☒	☐
• The harness assembly shall include box-stitched construction with no screws or bolts.	☐	☒	☐
• The harness assembly shall be removable from the backframe without the use of tools.	☐	☒	☐
• The harness assembly shall be machine washable to help with exposure reduction.	☐	☒	☐
• The harness assembly shall accommodate a waist belt extension.	☐	☒	☐
• The waist pad shall be attached to the backframe such that movement by the wearer provides natural articulation. Articulation shall be accomplished without the use of mechanical devices.	☐	☒	☐
• The waist pad and belt shall freely wrap around and conform to the wearers' hips.	☐	☒	☐
• The shoulder harness shall be fitted with a Drag Rescue Loop (DRL) capable of being deployed in an emergency situation to drag a downed firefighter to safety.	☐	☒	☐
• The Drag Rescue Loop (DRL) shall be sewn into the shoulder harness assembly and shall provide a horizontal pull strength of 1000 lbs.	☐	☒	☐
• The Drag Rescue Loop (DRL) shall be stored in a manner to prevent accidental snag but maintain accessibility with gloved hands.	☐	☒	☐
• The shoulder harness shall be attached to the backframe such that the harness presents itself for ease of donning.	☐	☒	☐

• The shoulder harness shall include reflective material to enhance the visibility of the wearer in low-light conditions.	☒	☐	☐
• The shoulder harness shall accommodate two distinct positions for a chest strap attachment.	☐	☒	☐
• The shoulder harness shall accommodate a mounting clip for attachment of a handheld radio remote speaker microphone.	☐	☒	☐
	Product:		
Rapid Intervention Crew / Universal Air Connection (RIC/UAC)	Meets	Does Not Meet	Exception
• The SCBA shall incorporate a RIC/UAC fitting to be compliant with the 2018 edition of the NFPA 1981 Self-Contained Breathing Apparatus standard.	☒	☐	☐
• The RIC/UAC shall be an integral part of the pressure reducer and protected by the backframe.	☒	☐	☐
• The RIC/UAC inlet connection shall be within 4" (4-inches) of the tip of the CGA threads of the cylinder valve.	☒	☐	☐
• The RIC/UAC shall consist of a connection for attaching a high-pressure air source and a self-resetting relief valve allowing a higher pressure than that of the SCBA to be attached to the SCBA.	☒	☐	☐
• The self-resetting relief valve shall be color-coded to identify pressure rating of the SCBA.	☐	☒	☐
• The RIC/UAC shall have a check valve to prevent the loss of air when the high-pressure air source has been disconnected.	☒	☐	☐
	Product:		
Cylinder	Meets	Does Not Meet	Exception
• The cylinder threads shall be straight with an O-ring or quad-ring gasket type seal.	☐	☒	☐
• The cylinder valve shall be a "fail open" type, constructed of forged aluminum and designed such that no stem packing or packing gland nuts are required.	☐	☒	☐
• It shall contain an upper and lower seat such that the pressure will seal the stem on the upperseat, thus preventing leakage past the stem.	☐	☒	☐
• No adjustment shall be necessary during the life of the valve.	☒	☒	☐

• If the SCBA is equipped with a CGA cylinder connection, the cylinder valve outlet shall be a modification of the Compressed Gas Association (CGA) standard threaded connection number 346 for breathing air for 2216 and CGA 347 for 4500 and 5500 systems.	☐	☒	☐
• If the SCBA is equipped with a Snap-Change Cylinder connection, the cylinder valve shall be designed with a patented stainless steel quick connect snout that delivers air directly to the first stage pressure-reducing regulator. The quick connect snout shall be an integral part of the cylinder valve, rather than an adapter that threads onto the CGA fitting.	☐	☒	☐
• If the SCBA is equipped with a Snap-Change Cylinder connection, the cylinder valve shall be offered with a CGA 346 or CGA 347 fitting for the purposes of filling the cylinder only.	☐	☒	☐
• If the SCBA is equipped with a Snap-Change Cylinder connection, the fill fitting shall have a check valve to prevent flow from the cylinder.	☐	☒	☐
• If the SCBA is equipped with a Snap-Change Cylinder connection, the fill fitting shall be provided with a dust cover to protect threads from damage and prevent interior surfaces from being contaminated when not in use.	☐	☒	☐
• If the SCBA is equipped with a Snap-Change Cylinder connection, the dust cover shall be retained to the cylinder valve.	☐	☒	☐
• Each cylinder valve shall consist of the following: 1) a hand activated valve mechanism with a spring-loaded, positive action, ratchet type safety lock and lock-out release for selecting "lock open service" or "non-lock open service"; 2) an upstream connected frangible disc safety relief device; 3) a dual reading pressure gauge indicating cylinder pressure at all times; 4) an elastomeric bumper; 5) an angled outlet.	☐	☒	☐
• The cylinder valve shall have an RFID tag molded into the elastomeric bumper with a universal RFID marking embossment.	☒	☐	☐
• The RFID tag shall be capable of storing product specific information, including serial number, manufacture date, hydrostatic test date, pressure rating, life expectancy, and fill logs.	☒	☐	☐
• The SCBA shall maintain all NIOSH and NFPA standards with any of the following types of cylinders listed as provided by the SCBA manufacturer.	☒	☐	☐
Carbon-Wrapped			
• The cylinder shall be manufactured in accordance with DOT specifications and meet the Transport Canada requirements with working pressures of 5500 psig.	☒	☐	☐
• The cylinder shall be lightweight, composite type cylinder consisting of an aluminum alloy inner shell, with a total overwrap of carbon fiber, fiberglass and an epoxy resin.	☒	☐	☐
• The cylinder shall have a 2D barcode located under the protective gel coat programmed with the following information, at a minimum: serial number, manufacture date, and hydrostatic test date.	☒	☐	☐

• The cylinder shall be available in a 30-minute, 45-minute, 60-minute or 75-minute duration based on the NIOSH breathing rate of 40 liters per minute (lpm).	☒	☐	☐
• The cylinder shall be available in an approved 30-year life design as defined by the DOT Special Permit 14232.	☐	☒	☐
• The cylinder shall have department logo and name located under the protective gel coat.	☒	☐	☐
	Product:		
Warranty	Meets	Does Not Meet	Exception
• The unit shall be covered by a warranty providing protection against defects in materials or workmanship.	☒	☐	☐
• This warranty shall be for a period of 15 years on the SCBA.	☒	☐	☐
• This warranty shall not have any exclusions other than consumables and carrying cases.	☒	☐	☐
• This warranty shall not require a registration in order to activate.	☒	☐	☐
• This warranty shall not be contingent upon completing mandatory overhaul or recommended preventative maintenance.	☒	☐	☐
	Product:		
Personal Alert Safety System with Firefighter Locator	Meets	Does Not Meet	Exception
• The PASS Device shall be compliant to the NFPA 1982, 2018 Edition Standard on Personal Alert Safety Systems.	☒	☐	☐
• Operation of this distress alarm shall be initiated with the opening of the valve of an SCBA charged cylinder.	☒	☐	☐
• The system shall feature a "hands-free" re-set capability that may be activated by means of a slight movement of the SCBA when the system is in a pre-alarm mode.	☒	☐	☐
• The system shall operate from a single power source containing six "AA" batteries.	☐	☒	☐
• The battery life of the SCBA with PASS only shall be no less than 200 hours.	☐	☒	☐

• The system shall have a battery check function that provides an LED indication of battery status while the SCBA is not pressurized.	X	☐	☐
• 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.	☐	X	☐
• 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.	X	☐	☐
• The system shall utilize a 2.4 GHz signal to provide the best path to a "downed" firefighter.	X	☐	☐
• The locating system shall be programmable with eight alpha-numeric characters to provide identification information.	☐	X	☐
• The PASS device shall contain two components: a Console and a Sensor Module.	X	☐	☐
• When the PASS device goes into pre-alarm, the user shall be notified through a distinct light pattern in the breathing regulator-mounted HUD display.	☐	X	☐
Console			
• The console shall be located on the user's right shoulder harness.	X	☐	☐
• The console shall contain an integral edge lit mechanical pressure gauge that is automatically turned on by opening the cylinder valve.	X	☐	☐
• 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.	☐	X	☐
• The console shall contain a photo sensing diode that automatically adjust the brightness of the HUD as the ambient lighting conditions change.	☐	X	☐
• The console shall contain an integrated RFID tag.	☐	X	☐
• The console shall contain push buttons for user interface.	☐	X	☐
• The push buttons shall be designed to minimize accidental activation.	☐	X	☐

• A yellow color-coded push button shall permit system re-set.	☐	☒	☐
• A red color-coded push button shall permit manual activation of the full alarm mode.	☐	☒	☐
• The console shall be equipped with a LED "External HUD" allowing others to determine the wearer's cylinder pressure through the same color-code scheme as the breathing regulator-mounted HUD.	☐	☒	☐
• A green LED shall be illuminated across the gauge face to indicate a cylinder with greater than half cylinder pressure.	☐	☒	☐
• A yellow LED shall be illuminated across the gauge face to indicate a cylinder with less than half cylinder pressure.	☐	☒	☐
• A red LED shall be illuminated across the gauge face to indicate a cylinder with less than 35% cylinder pressure.	☐	☒	☐
Sensor Module			
• The system shall include a sensor module mounted to the SCBA backframe and located in an area between the cylinder and backframe in a manner designed to protect the assembly from damage.	☐	☒	☐
• The sensor module shall contain a motion sensor that is sensitive to user hip movement to reduce false activations.	☐	☒	☐
• The sensor module shall contain redundant, dual sound emitters for the audible alarm and dual visual "buddy" indicator lights.	☐	☒	☐
• The sensor module sound emitters shall be oriented in multi-directions for optimal sound projection.	☐	☒	☐
• The sensor module sound emitters shall broadcast a unique alarm tone for the following conditions: Pre-alarm PASS, Full-alarm PASS, EVAC, System Integrity, PAR, and Low-battery.	☐	☒	☐
• The visual indicators on the backframe mounted sensor module shall flash green during normal operation.	☐	☒	☐
• The visual indicators shall flash red when the device is in pre-alarm and full-alarm.	☐	☒	☐
• The visual indicators shall flash orange when the SCBA has reached one-half cylinder pressure.	☐	☒	☐

• The visual indicators shall flash a combination of red, green, and white when the SCBA has reached 35% cylinder pressure.	☐	☒	☐
• The sensor module shall have a Bluetooth chip set integral to the unit to provide wireless connectivity to external devices.	☐	☒	☐
Optional Components	Product:		
Personal Alert Safety System with Accountability	Meets	Does Not Meet	Exception
• The PASS Device shall be compliant to the NFPA 1982, 2018 Edition Standard on Personal Alert Safety Systems.	☒	☐	☐
• Operation of this distress alarm shall be initiated with the opening of the valve of an SCBA charged cylinder.	☒	☐	☐
• The system shall feature a "hands-free" re-set capability that may be activated by means of a slight movement of the SCBA when the system is in a pre-alarm mode.	☒	☐	☐
• The system shall operate from a single power source containing six "AA" batteries.	☐	☒	☐
• The system shall have a battery check function that provides an LED indication of battery status while the SCBA is not pressurized.	☒	☐	☐
• When the PASS is manually activated, the locator system shall immediately emit a 2.4 GHz signal to be received by a separate hand-held receiver.	☐	☒	☐
• When the PASS is activated due to lack of motion, the locator system shall have a ten second delay prior to emitting a 2.4 GHz signal to be received by a separate hand-held receiver.	☐	☒	☐
• The system shall utilize a 2.4 GHz signal to provide the best path to a "downed" firefighter.	☒	☐	☐
• The locating system shall be programmable with eight alpha-numeric characters to provide identification information.	☐	☒	☐
• The system shall transmit user status information at a frequency of 2.4 GHz on a self-healing mesh network system that when deployed allows each energized SCBA to function as a repeater ensuring system connectivity.	☐	☒	☐
• The system shall provide bi-directional communications between incident command and the SCBA wearer.	☐	☒	☐
• The communication shall contain: the user's name or ID, cylinder pressure, PASS alarms, PASS acknowledgement, evacuation status, evacuation acknowledgement, withdraw status, withdraw acknowledgement, system status, and electronic PAR status,	☐	☒	☐

• The PASS device shall contain two components: a Console and a Sensor Module.	☐	☒	☐
• When the PASS device goes into pre-alarm, the user shall be notified through a distinct flashing light pattern in the regulator-mounted HUD display.	☐	☒	☐
Console			
• The console shall be located on the user's right shoulder harness.	☒	☐	☐
• The control console shall come with a mechanical (analog) pressure gauge that is angled at 30°.	☐	☒	☐
• The console shall contain an integral edge lit mechanical pressure gauge that is automatically turned on by opening the cylinder valve.	☐	☒	☐
• The console shall display to the user the following: Pre-Alarm: alternating red flashing LED's; Full Alarm: dual flashing red LED's and a flashing PASS icon; Low Battery: red flashing LED's; Normal System Operation: flashing green LED.	☐	☒	☐
• The console shall also include icons to indicate range status, evacuation, withdraw (self-evacuation), ePAR, and when the system is ready to receive the user's ID through an RFID card.	☐	☒	☐
• The console shall contain a photo sensing diode that automatically adjusts the brightness of the HUD as the ambient lighting conditions change.	☐	☒	☐
• The console shall contain an integrated RFID tag.	☐	☒	☐
• The console shall contain push buttons for user interface.	☐	☒	☐
• The push buttons shall be designed to minimize accidental activation.	☐	☒	☐
• A yellow color-coded push button shall permit system re-set.	☐	☒	☐
• A red color-coded push button shall permit manual activation of the full alarm mode.	☐	☒	☐
• A gray color-coded push button shall permit the activation of the withdraw mode.	☐	☒	☐

	Product:		
Universal Emergency Breathing Safety System (UEBSS)	Meets	Does Not Meet	Exception
• The optional Universal Emergency Breathing Safety System (UEBSS) shall be approved to NIOSH 42CFR, Part 84 and NFPA 1981, 2018 Edition.	☒	☐	☐
• The UEBSS shall have one of each of the following requirements; (1) a manifold with one each of a Rectus female socket and Rectus male plug, both of which have check valves, (2) 40" minimum low-pressure hose, (3) a pouch for storing the hose, and (4) a dust cap for the female socket and male plug.	☒	☐	☐
• The UEBSS shall be positioned on the wearer's right side and shall be capable of allowing for six feet of hose between like systems.	☒	☐	☐
• The manifold shall be made of aluminum and be anodized black.	☒	☐	☐
• The female socket and male plug shall have spacing, no less than 15° off-center.	☒	☐	☐
• The female socket shall have a double action to disengage, noted as a "push-in/pull-back".	☒	☐	☐
• The female socket shall have an internal check valve.	☒	☐	☐
• The male plug shall have an external check valve.	☒	☐	☐
• The hose shall be made of high temperature rubber capable of sustaining a maximum 250 psig of pressure.	☒	☐	☐
• The containment system shall include a pouch and shall be made of para-aramid materials and shall be capable of storing 36" of hose.	☒	☐	☐
• The pouch shall be attached to the SCBA by snap fasteners.	☒	☐	☐
• The pouch shall have a pull-strap to assist with opening of the flap and gaining access to the hose and manifold assembly.	☒	☐	☐
• The pouch shall be marked "UEBSS" and be constructed of reflective material.	☒	☐	☐

• The pouch shall be removable from the backframe without the use of tools.	☒	☐	☐
• The UEBSS shall have provision for connection of a supplied airline for extended duration use while reserving the cylinder supply for egress.	☒	☐	☐
• The UEBSS shall connect to a supplied airline using an extended duration airline adapter.	☒	☐	☐
• The extended duration airline adapter shall have a female quick connect fitting on one end to connect to the UEBSS.	☒	☐	☐
• The extended duration airline adapter shall have a male quick connect fitting on one end to connect to a supplied airline. The adapter shall be able to accommodate Hansen, Foster, Hansen HK, or Schrader.	☒	☐	☐
• The extended duration airline adapter shall have a check valve to prevent the accidental loss of air when the adapter is disconnected from the supplied airline.	☒	☐	☐
	Product:		
Integrated Self-Rescue Belt	Meets	Does Not Meet	Exception
• The optional integrated self-rescue belt shall be compliant to the NFPA 1981, 2018 edition and NFPA 1983, 2017 edition standards.	☐	☒	☐
• The waist belt shall be available in a single size, adjustable to fit waist sizes 28" to 50".	☐	☒	☐
• The waist belt shall be constructed of 100% Kevlar webbing.	☐	☒	☐
• The waist belt shall be fire-resistant to meet the NFPA 1981, 2018 edition standard.	☐	☒	☐
• The waist belt shall have dual adjustment points to allow the belt to remain centered while donning.	☐	☒	☐
• The waist belt shall utilize side thumb-release buckles for ease of doffing.	☐	☒	☐
• The waist belt shall incorporate an optional quick release feature to jettison the SCBA.	☐	☒	☐
• The waist belt shall have a non-jettison option.	☐	☒	☐

• The waist belt shall utilize the patented COBRA buckle system.	☐	☒	☐
• The waist belt shall include a D-ring integrated into the front buckle that can be utilized as an NFPA 1983 rated attachment or positioning point.	☐	☒	☐
• The assembly shall consist of the following components: waist belt, life safety rope, fall descent device and anchor connector.	☐	☒	☐
• The life safety rope shall be Tsafe 7.5mm escape rope utilizing a Technora sheath and nylon core construction.	☐	☒	☐
• The descent device shall be an auto-locking F4 descender with single brake.	☐	☒	☐
• The system shall have an option for either a lightweight, aluminum Lightning GT hook or a steel Crosby hook.	☐	☒	☐
• The complete system shall be capable of a 3,034 lb. static load.	☐	☒	☐
	Product:		
Electronic Voice Communications	Meets	Does Not Meet	Exception
• The respirator shall have an optional facepiece-mounted voice amplification device to electronically project the user's voice. Refer to EPIC 3 Voice Amplifier Bid Specifications, H/S 7093	☐	☒	☐
• The respirator shall have an optional facepiece-mounted radio interface communication system that provides voice amplification and wireless communication with two-way radios. Refer to EPIC 3 RI Voice Communication System Bid Specifications, H/S 7489	☐	☒	☐
• The respirator shall have an optional facepiece-mounted radio direct interface communication system that provides voice amplification and wireless communication with two-way radios. Refer to EPIC 3 RDI Voice Amplifier Bid Specifications, H/S 7570	☐	☒	☐
	Product:		
In-Mask Thermal Intelligence	Meets	Does Not Meet	Exception
• The respirator shall have an optional hands-free, in-mask thermal intelligence system.	☐	☒	☐
• The in-mask thermal intelligence system shall consist of a facepiece-mounted thermal imaging camera and an in-mask display.	☐	☒	☐

• The in-mask thermal intelligence system shall be approved to NIOSH 42 CFR Part 84 and NFPA 1981, 2018 edition.	☐	☒	☐

General Requirements

Exceptions: Any exceptions taken to the specifications shall be submitted in writing along with the bid.

Authorized Sale Distributor: The successful bidder must be a sales distributer authorized by the manufacturer to sell the equipment specified here in. A signed document from the manufacture confirming this must be included with the bid.

Delivery Timeline and Quantities: The successful bidder must be able to deliver the SCBA equipment in the desired quantities within 60 days of the bid awarded and/or order placement. It is expected that the initial purchase will be up to 94 SCBA.

Training: The successful bidder shall provide at their expense a factory trained instructor for training on the respirator. The user shall require complete instruction on the operation, service, and maintenance of the respirator.

Factory Authorized Service: Support and service shall be available from a factory authorized local service center. The service center shall be capable of performing and/or assisting in all maintenance and repair at the buyer's facility. Service technicians shall be factory trained and authorized by the equipment manufacture. Under normal circumstances a qualified service technician shall be capable of responding for service within 48 hours.

Warranty:

1) The SCBA shall be covered under a warranty providing protection against defects in materials or workmanship.
2) This warranty shall be for a period of at least 15 years on the SCBA.
3) This warranty shall not have exclusions other than consumables.
4) This warranty shall not require a registration in order to activate.
5) This warranty shall not be contingent upon completing mandatory overhaul or recommended preventative maintenance.

Inter-local Joint Purchasing: It is the intent of the bid document to make available to other local government entities of the State of Washington and neighboring states, as authorized by the inter-local purchasing agreement as provided by the RCW 39.34. The right to purchase the same equipment/product at the same price quoted for the period of the contract. Therefore, upon award and execution of the contract, the bid unit price and any potion prices herein shall remain valid until December 31, 2020. Additional units may be ordered per inter-local agreement after the date; however, any price increases may be added to the price.

Skagit County Fire Protection District No. 6

16220 Peterson Road, Burlington, WA 98233
Phone 360-757-2891 Fax 360-757-6537

BID OPENING

Open-Circuit Self-Contained Breathing Apparatus

November 7th, 2019

Burlington Fire Station
350 E. Sharon Ave.
Burlington, WA 98233

1500 hours

Present at Bid Opening: Mike Ganz, Fire Chief – Burlington Fire Department;
Rob Toth, Asst. Fire Chief – Burlington Fire Department;
David Skrinde, Fire Chief – Skagit Fire District No. 14;
Brian Ekkelkamp, Fire Chief – Skagit County Fire District No. 2;
Paul Wagner, Fire Chief – Skagit County Fire District No. 6

Bid from SeaWestern opened. They requested 141 exceptions to the Bid Proposal. There quote was $6,909.00 per (1) pack; (2) 5500 Cylinders and (1) mask. Based on the MSA G1

Bid from Municipal Emergency Services. They requested 1 Exception (Inter-local Joint Purchasing – Valid until 12/31/2019). There quote was $7,073.75 per (1) pack; (2) 5500 Cylinders; (1) mask and colored logo's on cylinder. Based on the 3M Scott Air-Pak X3 Pro

After reviewing the bids, a unanimous vote was taken to move forward with the acceptance and purchase of the 3M Scott Air-Pak X3 Pro and RIT Packs from Municipal Emergency Services.

Meeting adjourned at 1604 hours.

Paul L Wagner

Paul Wagner, Fire Chief
Skagit County Fire District No. 6

Secretary to the Board of Commissioners
Oath of Office
RCW 52.14.080

I, _____ do solemnly swear that I will faithfully and impartially discharge the duties of this office as prescribed by law and to the best of my ability, and that I will support and maintain the Constitution of the State of Washington and of the United States of America.

Dated:_____ _____

STATE OF WASHINGTON)
) ss.
COUNTY OF SNOHOMISH)

On this day personally appeared before me Leach Schoof to me known to be the individual described in and who executed the foregoing instrument, and acknowledged that she signed the same as her free and voluntary act and deed, for the uses and purposes therein mentioned.

Dated this _____ day of _____, 2020.

_____

Notary Public in and for the State of
Washington, residing at _____
My appointment expires on _____

OATH OF OFFICE

STATE OF WASHINGTON)
)ss
COUNTY OF SNOHOMISH)

I, **Roy Waugh**, do solemnly swear (or affirm) that I will support the Constitution and Laws of the United States and the Constitution and Laws of the State of Washington, and that I will faithfully and impartially discharge the duties of the office of **Fire District 7 Commissioner Position 1** for a **6-year term** according to law to the best of my ability.

_____
Signature of elected or appointed official

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

_____
Signature of oath administrator

_____
Official Title

OATH OF OFFICE

STATE OF WASHINGTON)
)ss
COUNTY OF SNOHOMISH)

I, **Rick Edwards**, do solemnly swear (or affirm) that I will support the Constitution and Laws of the United States and the Constitution and Laws of the State of Washington, and that I will faithfully and impartially discharge the duties of the office of **Fire District 7 Commissioner Position 4** for a **6-year term** according to law to the best of my ability.

_____
Signature of elected or appointed official

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

_____
Signature of oath administrator

_____
Official Title

COMMITTEE REPORTS

OTHER MEETINGS ATTENDED

CALL ON COMMISSIONERS

EXECUTIVE SESSION