

# Corporation Of The Township Of Stone Mills

4504 County Rd. 4, Centreville, Ontario K0K 1N0

Tel. (613) 378-2475 Fax. (613) 378-0033

Website: [www.stonemills.com](http://www.stonemills.com).



## REQUEST FOR PROPOSAL

### 2024-01

## SELF CONTAINED BREATHING APPARATUS

### Closing Time

12:00 PM

FRIDAY MARCH 1, 2024 12:00 PM EST

### **1.1 Invitation to Bid**

This Request for Proposals (the RFP) is an invitation by the Corporation of the Township of Stone Mills to potential Vendors, in good standing with the Township, to submit non-binding Proposals for Self-Contained Breathing Apparatus Equipment (SCBA) for the Stone Mills Fire Department. This request will follow the guidelines in the Corporation of the Township of Stone Mills Procurement Policy By-Law Number 2019-1001.

### **1.2 RFP Contact**

For the purposes of this procurement process, the "RFP Contact" will be:

Name: James Richmond, Deputy Fire Chief

Email Address: jrichmond@stonemills.com

Bidders are not permitted to contact any employees, officers, agents, elected or appointed officials, or other representatives of the Township, other than the RFP contact, concerning matters regarding this RFP. Failure to adhere to this rule may result in the ineligibility of the Vendor and the rejection of the Vendor's Proposal.

Any questions or requests for interpretation or clarification, either administrative or technical, about this RFP must be submitted via email to the RFP Contact at the time noted in the RFP Timetable.

### **1.3 Type of Contract**

The selected bidder will be requested to enter into a contract for the provisions within Appendix A and B. Although the Township's intent is to enter into an agreement with only one (1) legal entity, the Township may decide in its sole discretion to enter into agreements with multiple entities.

Work needed in addition to the scope listed will be addressed on a case-by-case basis taking into consideration the scope of the additional work, cost implications, interruptions to equipment, process or other incidental items.

### **1.4 RFP Timetable / Key Dates**

Issue Date of RFP: January 22, 2024

Submission Deadline: March 1, 2024 12:00 pm EST

Vender Presentation: March 8, 2024 Qualified vendors will be scheduled a time.

Practical Evaluation: March 9, 2024

Anticipated Execution of Agreement: Upon Pre-Purchase Approval For 2024 Budget from Council.

The RFP timetable is tentative only and may be changed by the Township at any time.

While no formal proponent information session has been scheduled, it remains the bidder's responsibility to satisfy themselves as to all requirements related to this project.

### **1.5 Submissions of Proposals**

It is the responsibility of the proponent to ensure that the documents have been received before the closing time and date.

Proposals received after 12:00 PM EST on Friday March 1, 2024 will be returned unopened.

## **EMAIL SUBMISSIONS ONLY**

a) Proposals must be sent via email to:

**Email: [procurement@stonemills.com](mailto:procurement@stonemills.com)**  
**Subject: 2024-01 Self Contained Breathing Apparatus**  
**The Township of Stone Mills**  
**4504 County Road 4**  
**Centreville, ON**  
**K0K 1N0**  
**Attention: James Richmond, Deputy Fire Chief**

Proposals must be submitted on or before the submission deadline. Proposals submitted after the deadline will not be accepted. Vendors are advised to make submissions well before the deadline. Vendor's making submissions near the deadline do so at their own risk.

Vendors are advised that the timing of their submission is based on when the Proposal is received by Township.

### **1.6 Proposals to be submitted in Prescribed Format**

A summary of the cost to design, manufacture, deliver and install the required SCBA equipment shall be itemized to a summarized line-item cost.

Quotes provided for consideration will list costs in the format detailed in Appendix B, Schedule of Items and Prices.

It is the bidder's responsibility to ensure receipt of the latest information and updates regarding this opportunity. If a bidder has obtained this RFP from a third party, the onus is on the bidder to acquire this RFP in its entirety.

### **1.7 Amendment of Proposals**

Vendor may amend their Proposals prior to the submission deadline by submitting the amendment in a sealed package clearly marked with the RFP title and number and the full legal name and return address of the Vendor to the location set out above or via email to the RFP contact. Any amendment should clearly indicate which part of the Proposal the amendment is intended to amend or replace.

### **1.8 Exclusions**

Any exclusions from the Scope of RFP that are not included in Vendor pricing must be clearly stated in the proposal.

### **1.9 Withdrawal of Proposals**

At any time, until the signing of a written agreement, a Vendor can withdraw a submitted Proposal. A proposal may be withdrawn after its submission by written request signed by the proposer or authorized representative prior to the time and date specified for proposal submission. Proposals may be withdrawn and resubmitted in the same manner if done so before the proposal submission deadline. Withdrawal or modification offered in any other manner will not be considered. The Township is under no obligation to return withdrawn Proposals.

### **1.10 Proposals in English**

All Proposals are to be in English only.

### **1.11 Vendor to Assume Their Own Costs**

The Vendor will assume all costs associated with or incurred in the preparation and presentation of its Proposal, including, if applicable, costs incurred for interviews or demonstrations.

### **1.12 Proposal to be Retained by the Township**

The Township will not return the Proposal, or any accompanying documentation submitted by a Vendor.

### **1.13 Vendor to Review RFP**

The Vendor should examine all the documents comprising this RFP and may direct questions or seek additional information through the above RFP contact on or before the deadline for questions. The Township is under no obligation to provide additional information, and the Township is not responsible for any information provided by or obtained from any source other than the Township contact. It is the responsibility of the Vendor to seek clarification from the Township on any matter it considers to be unclear.

The Township is not responsible for any misunderstanding on the part of the Vendor concerning this RFP or its process.

Oral statements concerning the meaning or intent of the contents of this RFP by any person other than the persons identified herein are unauthorized and invalid. The Township of Stone Mills will not be responsible for any other explanation or interpretation of this RFP, or for any oral instructions. Any contact with Township of Stone Mills personnel other than identified above regarding this RFP may disqualify a proposer.

#### **1.14 All New Information to Vendor by Way of Addenda**

Township of Stone Mills may modify this RFP, any of its key actions, dates, or any of its attachments, prior to the date fixed for submission of proposals by issuance of an electronic Addendum to all proposers. Such Addendum will also be posted on the RFP website. Proposer will acknowledge receipt of all Addenda in their proposal. Any Addenda issued during the time for submission of proposals will be made part of the Agreement.

#### **1.15 Post-Deadline Addenda and Extension of Submission Deadline**

If the Township determines that it is necessary to issue an addendum after the Deadline for Issuing Addenda, the Township may extend the Submission Deadline for a reasonable period.

#### **1.16 Late Responses**

While late responses are usually rejected, Township of Stone Mills retains the right to accept or reject late responses for any reason.

#### **1.17 Verify, Clarify and Supplement**

When evaluating Proposals, the Township may request further information from the Vendor or third parties in order to verify, clarify or supplement the information provided in the Vendor's Proposal, including but not limited to clarification with respect to whether a Proposal meets any mandatory technical requirements. The Township may revisit the Vendor's response based on any such information.

For clarification purposes, the words "Contractor", "Company", "Proposer", "Vendor", "Supplier", "Vendor" and "Bidder" shall be read to be one and the same. The words "Contract" and "Agreement" shall be read to be one and the same. The words "Proposal" and "Proposals" shall be read to be one and the same. The words "Request for Proposal" and "RFP" shall be read to be one and the same. The words "Notice of Award" and "Award Letter" shall be read to be one and the same.

### **1.18 Evaluation of Proposals**

Proposals will be evaluated initially by a selection committee comprised Township of Stone Mills staff within five days of the bid close date. The proposal shall be of such scope and depth to sufficiently describe and demonstrate the understanding of the equipment specified in the Scope of RFP. Submittal of incomplete or vague proposals will be rejected.

#### Evaluation Process

The following points will be used to evaluate the proposals:

Practical evaluation (Appendix C)	25 points
Warranty	20 points
Meets specification	20 points
Price	20 points
Value added items/service	10 points
Delivery schedule/work plan	5 points

Award of the contract resulting from this RFP will be based upon the most responsible Vendor whose offer will be the most beneficial to the Township in terms of cost, functionality, and other factors as specified above. It is the bidder's responsibility to clearly and properly describe components, features and pricing information so that additional research is not required by the selection committee.

The Township of Stone Mills reserves the right to:

1. After reviewing the proposals, to reject any or all proposals, or to accept proposal(s) that in its sole judgement are in the best interest for the Township of Stone Mills.
2. Reject any or all offers and discontinue this RFP process without obligation or liability to any potential parties.
3. Accept any offer other than lowest price offered.
4. Award a contract on the basis of initial offers received, without discussions or requests for best and final offers.
5. Request Vendor and final offers.
6. Review Contractor performance and reject bids of Vendor that fall below the standard required by any contract.

7. Reject proposals that have not followed the guidelines, do not meet minimum content or quality standards, or take unacceptable exceptions to the Scope of RFP.
8. Reject any or all proposals and may waive any immaterial deviation in a proposal. Township of Stone Mills waiver of an immaterial defect shall no way modify this RFP or excuse the proposer from full compliance with this RFP and/or the Contract documents if awarded the contract.
9. Make investigations as deemed necessary to determine the ability of the proposer to perform the services, and the proposer shall furnish to the Township of Stone Mills all such information and data for the purpose as requested by Township of Stone Mills. The Township of Stone Mills reserves the right to reject any proposal if the evidence submitted by, or investigation of, such proposer fails to satisfy Township of Stone Mills that the proposer is properly qualified to carry out the obligations of the agreement and to complete the work described therein.

The most qualified Vendor(s) may be asked to participate in an oral interview to discuss in greater detail the content of their proposals. Township of Stone Mills will notify finalists, if interviews are conducted, of the date and time of such interview(s).

### **1.19 Award of Contract**

The Township may choose to award all or part of the project to one or more bidder.

The Vendor who is awarded the contact for the scope within this RFP will be notified by email of the pending award. Notification of Award of a contract is not considered a binding contract and does not give the Supplier approval to procure, ship or invoice the Township of Stone Mills for the equipment or materials listed in this RFP. A formal Purchase Order will follow the Notification of Award and is to be considered the contract for proceeding with the equipment procurement.

Once an agreement is executed by the Township and a Vendor, the other bidders may seek results posted on the Township's website.

### **1.20 Contract Documentation**

In submitting a proposal, the Vendor can offer its intention to enter into an agreement with Township of Stone Mills by means of a Purchase Order. The Vendor's pricing proposal in response to this RFP will be incorporated into the final agreement between Township of Stone Mills and the selected Vendor. The agreement to be executed by the successful proposer will conform to the terms of the Purchase Order, however, Township of Stone Mills reserves the right to update the agreement to its current standards at the time Township of Stone Mills executes the contact. Proposers for site

work within the Township of Stone Mills are advised that the indemnification and insurance provisions are mandatory and not subject to revision. The Certificate of Insurance requirement will reflect an inclusive limit of not less than \$5,000,000 per occurrence for Commercial General Liability and the following:

- Commercial General Liability Insurance\* - Occurrence basis for third party bodily injury, personal injury, and property damage (including Products and Completed Operations liability)
- Automobile Liability Insurance\* (not less than \$2,000,00)
- Employer's Liability Insurance
- Professional Errors and Omissions Insurance

\*Including an Additional Insured Endorsement for each policy

Successful Vendor who will be working on Township property or on behalf of the Township of Stone Mills will be required to submit a WSIB Clearance Certificate.

### **1.21 Vendor Not to Communicate with Media**

Vendor must not at any time directly or indirectly communicate with the media in relation to this RFP or any agreement entered pursuant to this RFP without first obtaining the written permission of the RFP Contact.

### **1.22 Payment**

Payment will be made following receipt of the deliverables and an approved invoice. Payment terms are Net 30 Days from approved invoice.

### **1.23 Illegal or Unethical Conduct**

Vendor must not engage in any illegal business practices, including activities such as bid rigging, price-fixing, bribery, fraud, coercion, or collusion. Vendor must not engage in any unethical conduct, including lobbying, as described above, or other inappropriate communications; offering gifts to any employees, officers, agents, elected or appointed officials, or other representatives of the Township; deceitfulness; submitting Proposals containing misrepresentations or other misleading or inaccurate information; or any other conduct that compromises or may be seen to compromise the competitive process provided for in this RFP.

### **1.24 Confidential Information of the Township**

All information provided by or obtained from the Township in any form in connection with this RFP either before or after the issuance of this RFP:

- (a) is the sole property of the Township and must be treated as confidential;



- (b) is not to be used for any purpose other than replying to this RFP and the performance of any subsequent contracts;
- (c) must not be disclosed without prior written authorization from the Township;
- (d) must be returned by the Vendor to the Township immediately upon the request of the Township;
- (e) this RFP will not give rise to any contract based tendering law duties or any other legal obligations arising out of any process contract or collateral contract; and
- (f) neither the Vendor nor the Township will have the right to make any claims (in contract, tort, or otherwise) against the other with respect to the award of a contract, failure to award a contract or failure to honour a Proposal submitted in response to this RFP.

### **1.25 Cancellation**

The Township reserves the right to cancel this RFP at any time should it be deemed to be in the best interest of the Township, without liability. No obligation, either expressed or implied, exists on the part of Township of Stone Mills to make an award based on the submission of any proposal.

**Quotation Closing time 12:00 PM EST on March 1, 2024**

Deliver to:

James Richmond, Deputy Fire Chief  
Township of Stone Mills  
4500 County Rd 4  
Centreville, ON  
K0K 1N0

I/We the undersigned have reviewed the request for quotation including all requirements and specifications contained therein and agree to supply and deliver the above vehicles as specified at the unit prices stated on the quotation form.

The Township reserves the right to reject any or all quotations or to accept any quotation should it be deemed to be in its best interest to do so.

The Township reserves the right to delete features, options, and/or part of this quotation in whole or in part, if it is deemed to be advantageous to the Township. The lowest quotation submitted after deletion of features, options and/or parts of this quotation will be considered for acceptance. The lowest or any quotation may not be necessarily awarded.

<b>Name of Company:</b>	
<b>Address:</b>	
<b>Telephone:</b>	<b>Facsimile:</b>
<b>Email:</b>	
<i>(Signature of Authorized Officer)</i>	<i>(Witness)</i>
<i>(Print Name and Title)</i>	<i>(Date)</i>

## **SUMMARY OF QUOTATION:**

**Note: Provide a schedule based on Appendix B. Please also include a detailed quotation breakdown for the vehicle on separate pages showing all costs, fees, discounts, taxes, etc.**

### **Appendix A RFP Scope of Supply**

## **PURPOSE**

The Stone Mills Fire Department is seeking proposals for the purchase of Self-Contained Breathing Apparatus (SCBA's) and related components. The SCBA and related components shall meet the minimum specifications outlined in most current applicable National Fire Protection Association (NFPA) standards. Options beyond the outlined specifications are at the discretion of the vendor.

## **BACKGROUND**

The department will be replacing SCBA equipment to comply with new NFPA 1981 Standards (2018 Edition). The evaluation and award process will allow the Stone Mills Fire Department to select the most appropriate equipment for the department based on performance, value, quality, service and added value.

## **GENERAL REQUIREMENTS**

### **Exception to Specifications**

The following requirements shall be strictly adhered to:

1. Exceptions will be allowed if they are equal to or superior to that specified and provided, they are listed and fully documented and explained on a separate page entitled "EXCEPTIONS TO SPECIFICATIONS". The exception list shall refer to specification page number and paragraph.
2. Proposals taking total exception to specifications shall not be accepted.
3. SCBA and components shall be inspected upon delivery for compliance with the specifications. Deviations shall not be allowed and shall be cause for rejection of SCBA unless they were originally listed in bidder's proposal.

### **Self-Contained Breathing Apparatus (SCBA)**

Thirty-two (32) air packs. These packs shall meet the requirements listed in the current applicable NFPA standards.

Each SCBA shall be supplied complete with numeric identification that will remain legible during normal wear and tear of the SCBA. Identification format shall be provided by the Township at the time of award of contract.

## Facepiece

Thirty-two (32) medium sized face pieces, One (1) large sized face piece and One (1) small sized face piece. The required number of the masks for each size will be determined by the proponent upon completion of fit testing all of the current members of the fire department. Quantitative fit testing shall be completed by the SCBA provider.

Note; If face piece requires voice amplification for optimum communications they shall be included in the quote.

## Compressed Air Cylinders

Sixty-four (64), Compressed Air Cylinders rated to 4500 PSIG (45-minute cylinders). 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. complete with numeric identification.

The cylinder shall be supplied complete with numeric identification that will remain legible during normal wear and tear of the cylinder. Identification format shall be provided by the Township at the time of award of contract.

Cylinders will have two options to be priced **Option 1** will be a quick connection style of fitting and a reusable dust cap, **Option 2** will be a CGA connection style of fitting and a reusable dust cap.

## Rapid Intervention Team Pack

**Option 1** two (2) RIT-Packs capable of utilizing 4500 PSIG 60-minute cylinders.

**Option 2** two (2) Retro-fit of existing MSA RescueAire II systems. New 4500 PSIG 60-minute cylinders.

## Warranty

The vendor will give an in-depth description of the warranty, including length of warranty and parts covered, including soft and hard components, as well as electrical components.

## Roll-out

The successful bidder will be:

- Present on site for delivery and of components
- Perform adjustment of SCBA seat docks
- Set up and install new SCBA
- Perform quantitative fit testing for all current staff.
- Distribute components to respective stations and remove all packaging

- The roll out plan will provide a turn key solution for the Stone Mills Fire Department.
- Provide up to four (4) training sessions for firefighters in:
  - Donning and doffing
  - Repair and maintenance of components
  - Equipment use and operation
  - Inspection and evaluation
  - Cleaning and decontamination
  - Warranty and return

### **Value added items**

Vendors shall provide in-depth details of any value-added items/services that they wish to include or identify as part of their bids. This may include financing options, service availability, support, training, etc.

### **Optional Items that will be considered**

The successful bidder will provide pricing for the following:

1. Prescription eye glass kits.
2. Battery charging kits, if required.
3. Air Purifying Respirator Connection for facepiece.
4. Integrated Thermal Image camera (TIC).
5. Fabric protective storage bag for face piece.

\*Quantities noted are approximate, the Township may, at its discretion purchase more or less of the commodity.

### **Vendor Presentation/SCBA Demo Unit**

Representatives from qualified vendors will be asked to provide three (3) functioning SCBA unit as outlined in the proposal for evaluation by the Stone Mills Fire Department SCBA Committee. Upon delivery of the demo units, the Stone Mills Fire Department would invite the vendor representative to provide an in-person presentation of the SCBA unit complete with features, field use information, post-use inspection requirements and cleaning procedures and allowing for a Q&A period. Following the presentation, a practical evaluation will be executed by the Stone Mills Fire Department SCBA Committee based on the evaluation criteria in Appendix C.

## Appendix B Schedule of Items and Pricing

The following fee schedule shall be completed and submitted as a part of the Proposal. All costs related to the work required in the RFP are to be included in the items listed in the schedule and all work that is included in the item shall be detailed in the proposal.

<b>Required Items</b>	<b>Quantity</b>	<b>Unit Price</b>	<b>Purchase Price</b>
SCBA Units	32		
Compressed Air Cylinders 4500 PSIG 45 minutes			
Option 1 - Quick Connect	64		
Option 2 - CGA Connection	64		
Face Pieces (32 Medium, 1 Small, 1 Large)	34		
Option 1 - RIT SCBA Pack with 4500 PSIG 60 Min. cylinder	2		
Option 2 - Retro-fit of existing MSA RescueAire II systems. New 4500 PSIG 60 min. cylinder	2		
Facepiece adaptor kit for Accufit9000 quantitative fit tester.	1		
<b>Sub Total, in Canadian Funds</b>			
<b>HST</b>			
<b>Total, in Canadian Funds</b>			

<b>Optional Items</b>	<b>Unit Price</b>
Prescription eye glass kits	
Battery charging kits, if required	
Air Purifying Respirator Connection for facepiece	
Integrated Thermal Image camera (TIC)	
Fabric protective storage bag for face piece	

## Appendix C Evaluation Criteria

### Stone Mills Fire Department

#### Self-Contained Breathing Apparatus Evaluations NFPA 1981 & 1982, 2018 Edition Approved Models & Options

Reference Source;  
NFPA 1852 Standard on Selection, Care, and Maintenance of Open-Circuit Self-Contained Breathing Apparatus

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#### INSTRUCTIONS

All personnel will meet and be briefed on the program.

Each participant will be given a clip board with a separate scoresheet to fill out for each SCBA make / model. These will be handed in to the evaluation coordinator at the end of each session.

The exercises to be performed will be explained and will highlight the fact that we are testing SCBA and not the Firefighters.

The SCBA is critical life safety equipment and must be relied upon to provide breathing air under the harshest conditions.

Crews will be reminded to concentrate on evaluating the SCBA during all portions of the exercises in order to score and rate the units tested. **This is not a race or test of your skills.**

All portions of the program will be done in pairs and be controlled through a Safety Officer.

#### Evaluation Process

Crews will receive an orientation on the model of SCBA that is to be worn

Each participant shall complete the evaluation for each evolution at its conclusion and complete all evolutions with that particular SCBA prior to moving to the next SCBA.

All participants will engage in pre-hydrations, post evaluation re-hab and ongoing medical monitoring.

Do not compare your scores or share your impressions with fellow evaluators.

## EVALUATION FORM

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Make of SCBA Tested

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Model of SCBA Tested

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Name of Tester \_\_\_\_\_ ID # \_\_\_\_\_

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### Scoring

Unless otherwise instructed in the evolution description, please score the SCBA evaluated on a basis where:

0 = Not acceptable

1 - 2 = Poor performance

3 - 4 = Fair performance

5 - 6 = Good performance

7 - 8 = Very good performance

9 - 10 = Excellent performance

**Note:** Remember that a score of 0,1-2 or 9, 10 requires a comment to be supplied by the tester. Additional comments can also be submitted for other scores if desired.

Upon completion of the field evaluation, all scorecards will be handed in to the evaluation coordinator for tabulation. This evaluation is the key component to our department's overall specification development. These will serve as the primary focus for procurement along with other components that will be considered such as service, warranty, references, training, price, etc.

The SCBA is critical life safety equipment and must be relied upon to provide breathing air under the harshest conditions.

You have been selected as an evaluator to represent your peers....please keep this in mind as you work through this important process. Your time, energy and commitment are greatly appreciated.



## 1. Initial Evaluations

Crews will have approximately fifteen minutes with each SCBA to familiarize themselves and to critique each unit.

0 = Not acceptable, 1-2 = Poor performance, 3-4 = Fair performance, 5-6 = Good performance 7-8 = Very good performance. 9-10 = Excellent performance

a. Overall SCBA profile	0	1	2	3	4	5	6	7	8	9	10
b. Face piece profile	0	1	2	3	4	5	6	7	8	9	10
c. Rugged / Durable Design	0	1	2	3	4	5	6	7	8	9	10
d. Overall package perceived weight / balance while donned	0	1	2	3	4	5	6	7	8	9	10
e. Overall package size – height / width / depth while donned	0	1	2	3	4	5	6	7	8	9	10
f. Straps well constructed and padded	0	1	2	3	4	5	6	7	8	9	10
g. Buckles and/or fasteners operate easily	0	1	2	3	4	5	6	7	8	9	10
h. Straps are long enough	0	1	2	3	4	5	6	7	8	9	10
i. Cylinder securely anchored to back frame	0	1	2	3	4	5	6	7	8	9	10
j. Cylinder gauge easy to read when in back frame	0	1	2	3	4	5	6	7	8	9	10
k. Ease & Frequency of battery change	0	1	2	3	4	5	6	7	8	9	10

Comments:

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## 2. Donning and Off-Air Breathing

Crews will don units and proceed to the ENTRY AREA while breathing "OFF AIR". Crews will stage here for about five minutes to simulate a RIT standby.

a. Harness opens large enough for entry	0	1	2	3	4	5	6	7	8	9	10
b. Overall comfort of back frame and harness	0	1	2	3	4	5	6	7	8	9	10
c. Weight distribution and balance	0	1	2	3	4	5	6	7	8	9	10
d. Mask storage options when not being worn	0	1	2	3	4	5	6	7	8	9	10
e. Facepiece harness opens large enough for entry	0	1	2	3	4	5	6	7	8	9	10
f. Ease of facepiece harness adjustment	0	1	2	3	4	5	6	7	8	9	10
g. Comfort and balance of facepiece when worn	0	1	2	3	4	5	6	7	8	9	10
h. Comfort of seal against face	0	1	2	3	4	5	6	7	8	9	10
i. Facepiece resists fogging while not on air	0	1	2	3	4	5	6	7	8	9	10
j. Ease of breathing while not on air	0	1	2	3	4	5	6	7	8	9	10
k. Cylinder valve operation / safety features	0	1	2	3	4	5	6	7	8	9	10
l. Hood fit well around facepiece – secure	0	1	2	3	4	5	6	7	8	9	10
m. Straps easy to locate and adjust when donning	0	1	2	3	4	5	6	7	8	9	10
n. Shoulder straps slide easily into place on shoulders	0	1	2	3	4	5	6	7	8	9	10
o. Clarity of communication while not on air	0	1	2	3	4	5	6	7	8	9	10
p. Helmet fits well to facepiece	0	1	2	3	4	5	6	7	8	9	10
q. Compatibility with TIC, radio, flashlight, etc.	0	1	2	3	4	5	6	7	8	9	10

Comments:

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### 3. On Air and Pre-entry Test

Crews will now go on air and take a few minutes to assess the following:

a. Regulator holder provides clean / secure storage	0	1	2	3	4	5	6	7	8	9	10
b. Regulator docks securely to facepiece w/ gloves	0	1	2	3	4	5	6	7	8	9	10
c. Purge valve operates easily with gloves on	0	1	2	3	4	5	6	7	8	9	10
d. Remote gauge module easy to read with facepiece donned	0	1	2	3	4	5	6	7	8	9	10
e. Remote gauge module easy to view in the dark	0	1	2	3	4	5	6	7	8	9	10
f. Field of view / peripheral vision	0	1	2	3	4	5	6	7	8	9	10
g. Regulator doffing with gloves on	0	1	2	3	4	5	6	7	8	9	10
h. Clarity of communication while on air	0	1	2	3	4	5	6	7	8	9	10
i. Multiple vision correction options available	0	1	2	3	4	5	6	7	8	9	10
j. Ease of breathing while on air	0	1	2	3	4	5	6	7	8	9	10

Comments:

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### 4. Peak Load Performance

Crews will properly don the SCBA and face piece (as per instructions provided during orientation) go on air, carry the hose load and ascend to the top (2<sup>nd</sup>) floor of the Training Structure and descend. The hose will be placed back in the entry area.

a. Breathing resistance during peak workload	0	1	2	3	4	5	6	7	8	9	10
b. Comfort during stair climb (no binding or strain)	0	1	2	3	4	5	6	7	8	9	10
c. Facepiece resists fogging	0	1	2	3	4	5	6	7	8	9	10
d. Facepiece maintains seal during exercise	0	1	2	3	4	5	6	7	8	9	10

e. Facepiece requires re-adjustment 0 1 2 3 4 5 6 7 8 9 10

f. Kinked regulator hose restricts air flow 0 1 2 3 4 5 6 7 8 9 10

Comments:

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## 5. Harness Security / Chopping Test

While on air, using the Hammer Sled, each crew member will hit the sled 10 times.

a. Harness does not restrict movement during task 0 1 2 3 4 5 6 7 8 9 10

b. Hoses, gauge and other components don't interfere 0 1 2 3 4 5 6 7 8 9 10

c. SCBA stays secure & balanced on back 0 1 2 3 4 5 6 7 8 9 10

d. Straps & Cylinder stay secure during activity 0 1 2 3 4 5 6 7 8 9 10

e. Ease of breathing while working 0 1 2 3 4 5 6 7 8 9 10

f. Optional chest strap improved fit 0 1 2 3 4 5 6 7 8 9 10

Comments:

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## 6. Harness Freedom / Pike Pole Pulling

Using the pike poles, each member will pull on overhead wire 10 times.

a. Freedom to perform overhead task 0 1 2 3 4 5 6 7 8 9 10

b. Weight is balanced at hips, not shoulders 0 1 2 3 4 5 6 7 8 9 10

c. Back of helmet doesn't contact cylinder  
(Identify Helmet & Cylinder Model) 0 1 2 3 4 5 6 7 8 9 10

d. Ease of breathing while working 0 1 2 3 4 5 6 7 8 9 10

e. Regulator hose impedes tasks 0 1 2 3 4 5 6 7 8 9 10

Comments:

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## 7. Balance and Reaching

Crews will go on air, walk to the tower and raise the ladder to the sill of the second floor window in a rescue position. Pick up the traffic cone and climb the ladder to the second floor. There will be a table just inside the window. Reach in and place the cone on the far left side of the table and then on the far right side of the table. Climb down and return the ladder and cone to the original position.

- |  |   |   |   |   |   |   |   |   |   |   |    |
|--|---|---|---|---|---|---|---|---|---|---|----|
| a. SCBA is secure when reaching              | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| b. Harness allows stretching of arms         | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| c. Weight is balanced at hips, not shoulders | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

Comments:

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## 8. Facepiece Communications

Crews will assess integrated face piece radio communications during all scenarios and via follow up radio communications with the evaluation coordinator and other team members.

- |  |   |   |   |   |   |   |   |   |   |   |    |
|--|---|---|---|---|---|---|---|---|---|---|----|
| a. Clarity of radio audio while on air           | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| b. Clarity of voice communications between users | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| c. Clarity of radio audio while off air          | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| d. Amplification of breathing sounds             | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| e. Clarity of radio audio while EOSTI active     | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

Comments:

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## 9. Search and Rescue

The crew will go on air and perform a search until the dummy has been located. At the position of the dummy, each member will check their control module/ remote gauge in the dark. One at a time, each crew member will remain still until PASS alarm activates. Reset the PASS device to silence. One at a time, each crew member will then slowly bleed air down, using their bypass until low pressure warning device activates. Crews will evaluate the ease of identifying their own Low Pressure Air Warning Device and that of the other crew members. Each participant will communicate with fellow crew members as well as over the radio while in low pressure warning and then exit.

**Note:** If possible, use a partially full cylinder for this evolution to facilitate activation of low air alarm.

a. Low pressure alarm, volume	0	1	2	3	4	5	6	7	8	9	10
b. Ease of identifying low pressure alarm (Audible, Tactile, Visual)	0	1	2	3	4	5	6	7	8	9	10
c. Ability to determine air status in darkness	0	1	2	3	4	5	6	7	8	9	10
d. Rate of air consumption by alarm	0	1	2	3	4	5	6	7	8	9	10
e. Alarm cannot be inadvertently muffled	0	1	2	3	4	5	6	7	8	9	10
f. Ability of user to hear/feel/see low air alarm	0	1	2	3	4	5	6	7	8	9	10
g. Ability to identify low air alarm over radio	0	1	2	3	4	5	6	7	8	9	10
h. Ability to hear other crew members low air alarm	0	1	2	3	4	5	6	7	8	9	10

Comments:

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## 10. Rehab – Re-donning

Doff the face piece and change your partner's cylinder while on his back without gloves. You will then doff the SCBA leaving it in a cold area for at least five minutes. After five minutes re-don the SCBA, go on air and walk up stairs to second floor and back.

a. Mask resists fogging after re-donning	0	1	2	3	4	5	6	7	8	9	10
b. Ease of cylinder exchange on back with gloves	0	1	2	3	4	5	6	7	8	9	10
c. Overall ease of donning & doffing	0	1	2	3	4	5	6	7	8	9	10
d. Regulator hose impedes donning	0	1	2	3	4	5	6	7	8	9	10

Comments:

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## 11. Cleaning

Crews will move to the designated area, doff the unit and use the supplied cleaning equipment to prepare the unit for "return to service".

a. Facepiece & Regulator cleaning is simple	0	1	2	3	4	5	6	7	8	9	10
b. Harness is easy to remove and clean	0	1	2	3	4	5	6	7	8	9	10
c. SCBA back frame is easy to clean	0	1	2	3	4	5	6	7	8	9	10
d. Facepiece components can be removed for advanced cleaning	0	1	2	3	4	5	6	7	8	9	10
e. Facepiece & Regulator are easily decontaminated as per NFPA 1852	0	1	2	3	4	5	6	7	8	9	10

Comments:

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## 12. Overall General Opinion

This section is to be completed last.

Please rate each major component of the SCBA

a. Facepiece	0	1	2	3	4	5	6	7	8	9	10
b. Backframe, Harness, Fasteners	0	1	2	3	4	5	6	7	8	9	10
c. Durability of design	0	1	2	3	4	5	6	7	8	9	10
d. Low Pressure Alarm (mechanical)	0	1	2	3	4	5	6	7	8	9	10
e. Regulator – Breathing resistance	0	1	2	3	4	5	6	7	8	9	10
f. HUD – features, ease of viewing	0	1	2	3	4	5	6	7	8	9	10
g. Remote Gauge / Control Module ease of use	0	1	2	3	4	5	6	7	8	9	10
h. RIT / Survival Options	0	1	2	3	4	5	6	7	8	9	10
i. Communications – Clarity (face to face)	0	1	2	3	4	5	6	7	8	9	10
j. Telemetry, simple to operate	0	1	2	3	4	5	6	7	8	9	10
k. Automatic safety features	0	1	2	3	4	5	6	7	8	9	10

Comments:

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**13. Comment section for any Health and Safety concerns, recommendations, likes, dislikes.**

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**14. Comment section for Additional features, Options, etc.**

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Name \_\_\_\_\_ (please print) ID # \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_