

City of Coquitlam

Request for Proposals

RFP No. 25-056

Turnout Gear

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Appendix A – Preferred Specifications - Turnout Gear

[PROPOSAL SUBMISSION FORM](#)

1. KEY DATES

RFP Issue Date	Tuesday, April 8, 2025
Deadline for Questions Send questions to: bid@coquitlam.ca referencing the RFP name and number.	2:00 PM (local time) Friday, April 25, 2025
Deadline for Issuing Addenda	Monday, April 28, 2025
Submission Deadline	2:00 PM (local time) Wednesday, April 30, 2025

2. RFP REQUIREMENTS, GUIDELINES, AND TERMS & CONDITIONS

All applicable requirements and guidelines for this RFP, are available on the City's website: [City Purchasing Information](#).

To be eligible for the award, the City requires only the **successful Proponent** to have the following in place before providing any Goods or Services. The requirements that apply to this RFP, listed in order of precedence are:

- a) Instructions to Proponents
- b) City Standard Terms and Conditions - Purchase of Goods and Services
- c) A City of Coquitlam or Tri Cities Intermunicipal Business License is required for any Contractor performing Work within the City or if their office is located within the City, excluding delivery-only services.

These items are not required as part of this RFP Proposal but will be required prior to entering into an agreement with the City for Services with the successful Proponent.

3. DEFINITIONS

“Agreement” “Contract” means the City Purchase Order that will be issued to formalize the Contract with the successful Proponent through negotiation process with the City based on the Proposal submitted and will incorporate by reference the Request for Proposals, the Terms and Conditions of Contract included in this RFP, any additional subsequent information, any addenda issued, the Proponent’s response and acceptance by the City.

“CFR” means City of Coquitlam Fire Rescue Service;

“City” “Owner” means City of Coquitlam;

“Contractor” means the person(s) firm(s) or corporation(s) appointed by the City to carry out all duties, obligations, work and services described in the Request for Proposal and all associated documentation, which may also include mutually agreed revisions subsequent to submission of a Proposal. Both “Contractor” and “Proponent” are complementary in terms of duties, obligations and responsibilities contemplated at the Request for Proposals stage, through evaluation process, execution and performance of the services and Works.

“NFPA” means the National Fire Protection Association;

“Price” means the amount that will be paid by the City to the Contractor for delivery and acceptance of goods and Services;

“Project Manager” means the City staff member appointed to coordinate the Work;

“Proponent” means responder to this Request for Proposals;

“Proposal” means the submission by the Proponent;

“Request for Proposals” “RFP” shall mean and include the complete set of documents, specifications and addenda incorporated herein, and included in this Request for Proposals;

“Services” “Work” “Works” means and includes the provision by the successful Proponent of all services, duties, and expectations as further described in this RFP. This will also mean the whole of the Work, tools, materials, labour, equipment, travel, and all that is required to be done, furnished and performed by the Contractor;

“Shall” “Must” “Will” “Mandatory” means a requirement that must be met;

“Supply” “Provide” shall mean supply and pay for and provide and pay for.

“Turnout Gear” shall mean the combined ensemble of the structural firefighting protective coat and structural firefighting protective coverall as defined in the NFPA 1970, 2025 standard.

4. INSTRUCTIONS TO PROPONENTS

4.1. Acknowledgement

The City acknowledges with gratitude and respect that the name Coquitlam was derived from the hə́hǵəmíhə́h (HUN-kuh-MEE-num) word kʷikʷə́lə̣m (kwee-KWET-lum) meaning “Red Fish Up the River”. The City is honoured to be located on the kʷikʷə́lə̣m traditional and ancestral lands, including those parts that were historically shared with the qíćə́y (kat-zee), and other Coast Salish Peoples.

4.2. Purpose

The City requests Proposals to select a qualified experienced company for the ongoing supply, delivery, warranty and support services for Turnout Gear for the Coquitlam Fire Rescue (CFR), as stated within this RFP.

4.3. Proposal Submission

Proponents should complete and submit the information requested in this RFP document on the Proposal Submission.

4.4. Prices

Prices shall be all-inclusive and stated in (Canadian Funds). Prices shall remain FIRM for the Term of the Contract.

Prices shall include the provision of all tools, materials, equipment, labour, transportation, fuel, supervision, management, overhead, materials, traffic control, services, all necessary packing and crating (where applicable), Canadian Customs import and export duties, freight, handling, insurance, all other associated or related charges, foreign, federal, provincial and municipal taxes, bonding costs, all licences, permits, inspections and all other requirements necessary for the commencement, performance and completion of Services as described.

Taxes are to be shown separately at time of invoicing.

The lowest price of any Proposal will not necessarily be accepted but will be analyzed to determine best overall value.

4.5. Requested Departures

The Proponent acknowledges that the departures requested in the Proposal Submission Form will not form part of the Contract unless and until the City specifically consents in writing to any of them. The City may not consider any departures not stated in the Proponent's Proposal Submission.

4.6. Evaluation Criteria

a) Instructions for Proposal Submission and Attachment Referencing

The City uses Microsoft Word to streamline the transfer of Proponent information into an evaluation document. Responses on the Proposal Submission Form should provide direct answers or concise summaries of any referenced attachments. Where attachments are necessary, each response should summarize the relevant

information and clearly indicate where the City can find the corresponding details within the attachments, specifying precisely, for example, "see Section X, subsection Y, paragraph Z, on page N."

b) Submission Format and Content Authenticity

Lower scores may be assigned if Proposal Submission Forms:

- I. Non-conforming
 - Are not submitted in Microsoft Word format.
 - Rely solely on references such as "see section X in the attached document" without providing summaries.
- II. Authenticity and AI Generated Content
 - The City preference is for Proposals to be original and directly aligned with the requirements outlined in this RFP. Proposals containing boilerplate, non-specific, or AI-generated content may receive a lower score.
 - Proponents must demonstrate a clear understanding of the City's needs by providing detailed, tailored responses, including methodologies. Proposals lacking sufficient detail and originality may result in a lower evaluation score.

c) Evaluation Criteria and Points Allocation

Each proposal will be evaluated based on the following criteria:

Proposal Evaluation Summary	Maximum Points to be Awarded
Corporate	25
Sustainable Benefits and Social Responsibility	10
Technical	40
Financial	25
Total	100

d) The criteria for evaluation of the Proposals may include, but is not limited to:

Corporate Experience, Capacity and Resources

- Business and technical reputation and capabilities; experience, financial
- Value added benefits
- References (on time delivery, support, performance, etc.)

Sustainable Benefits and Social Responsibility

- Sustainable benefits
- Reconciliation
- Social Responsibility

Technical

- Delivery Lead Time

- Compliance with the preferred specifications
- Warranties
- Local support and parts availability in Metro Vancouver area
- Training
- Quality of workmanship assessment & assessment of fit and comfort of equipment proposed
- Demonstration Units

Financial

- Price including, but not limited to, prices, operating and maintenance costs, interest rate, monthly payments, term of lease, buy out price.

e) Proposal Comparison

These criteria will be used to determine best overall value to the City. Proposals will be compared to select one or more that are most advantageous.

f) Reference Checks and Interviews

Upon selection of one or more lead Proponent(s):

- References may be contacted
- Interviews may be conducted
 - As part of the evaluation of Corporate Experience

The City reserves the right to check references on other projects even if they are not specifically listed. Information obtained from references will be confidential and will not be disclosed to any Proponents.

g) Additional Evaluation Considerations

These criteria will be used to determine best overall value to the City as well as any other criteria that may become evident during the evaluation process.

The City may, at its discretion, request clarification or additional information from a Proponent with respect to any Proposal and the City may make such requests to only selected Proponents. The City may consider such clarifications or additional information in evaluating a Proposal.

h) Proposal Compliance and Rejection

Incomplete Proposals or Proposals submitted on forms other than the Proposal Submission Form may be rejected.

The City reserves the right to reject without further consideration any Proposal which in its opinion does not meet the criteria it considers essential for the Work outlined in this RFP.

Where only one Proposal is received, the City may reject such and re-issue the RFP on a selected basis.

i) Disclosure of Information

Proponents agree the City may disclose names of Proponents and total award amount, however, unevaluated results, unit prices, rates or scores will not be provided to any Proponents.

4.7. Term

The initial term of the Contract is three (3) years with the option to extend the Contract by additional terms, upon mutual agreement of the parties.

4.8. Specifications and Alternatives

Wherever the Specifications state a brand name, make, name of manufacturer, trade name, or Supplier catalogue number, it is for the purpose of establishing a grade or standard. It is not intended to rule out competition from equal brands or makes. If equipment other than that specified is offered, it is the Proponent's responsibility to provide information in its Proposal that enables the City to confirm equivalency and acceptance.

Except where stated otherwise, **Appendix A – Preferred Specifications**, describe what is considered necessary to meet the performance requirements of the City and Proponents should consider this in its Proposal. If the Proponent cannot meet Specifications, the Proponent may identify and offer an alternative which it believes to be an equal or better alternative.

Proponents shall clearly indicate any variances from the City's Specifications or conditions and attach descriptive literature.

Proponents may also propose alternative equipment which meets the majority of the specifications if it is immediately available for delivery. The City will review proposed alternative equipment for suitability in order to take delivery sooner; however the City is not obligated to accept any alternatives. The City will determine what constitutes acceptable deviations and overall best value.

Proponents are to provide environmentally efficient equipment and services wherever possible. If there are known alternatives or substitutions for such materials that would mitigate the effects of any adverse conditions on the environment, the Proponent agrees to advise the City of such alternatives or substitutions.

4.9. Additional Information and Demonstration Equipment

The City may request that one or more Proponents provide further information or details. This may include making a presentation, supplying demonstration equipment (at the Proponent's expense), and/or providing additional technical information.

5. PROJECT SPECIFIC TERMS AND CONDITIONS

5.1. Warranties

The manufacturer is to provide a lifetime warranty against defects in materials and workmanship on all Goods and Services.

The Proponent shall provide a full statement of the warranty period and terms, including extended warranty options, for items listed in **Appendix A – Preferred Specifications**, as a minimum. This warranty should clearly describe the terms under which the equipment manufacturer or sub-suppliers of the manufacturer accept responsibility for the cost to repair defects caused by faulty design, quality of work or material and for the applicable period of time after delivery.

6. SCOPE OF SERVICES

6.1. Scope

The City is seeking Proposals for the ongoing supply, delivery, warranty, and support of Turnout Gear for Coquitlam Fire Rescue, as and when required, in accordance with the specifications outlined in Appendix A – Preferred Specifications - Turnout Gear.

Appendix A sets forth the minimum requirements for Turnout Gear. In cases where a specific point is not addressed, industry standard practices will apply. Proponents are expected to adhere to these requirements while demonstrating their ability to meet or exceed the specified standards for performance, quality, and durability.

6.2. Out of Scope

Cleaning and inspection services are not included within the Scope of Services.

6.3. Specifications and Standards

The Turnout Gear ("Gear") shall comply with the current NFPA 1970 (2025) standards except for fire department specifications that differ from NFPA specifications.

All Gear is to be listed and labelled with Underwriters Laboratories Inc.-or a recognized third party certification organization as prescribed in NFPA 1970 (2025).

Manufacturers are to be registered to ISO 9001, Quality Management Systems – Requirements.

CFR may request from a Proponent the manufacturer's detailed product build specification.

It is not the intention of these specifications to limit or restrict the use of alternate methods. Where specifications do not meet the specifications stated, a detailed explanation is to be provided describing how they are equal to or greater than the item specified.

Every exception to specifications must be clearly spelled out within **Appendix A – Preferred Specifications**.

6.4. Compliance Guarantee

Should CFR require a third party, of its choice, to evaluate and to completely disassemble the garment in order to ensure strict technical compliance, the Proponent will be responsible for paying all costs associated with the third party evaluation.

6.5. Delivery Location and Lead Time

Delivery of the Gear will be to:

**Coquitlam Fire Rescue
Town Centre Fire Hall No. 1
1300 Pinetree Way
Coquitlam, BC, V3B 7S4**

Delivery time from confirmation of order placement to the above delivery location is to be a maximum of twelve (12) weeks.

6.6. Detailed Product Build

CFR reserves the right to review the manufacturer's detailed product build specification prior to any order being filled.

6.7. Quantities

CFR has approximately 178 members that require turnout gear. CFR has the Gear on a 6 year replacement cycle. Approximately 70 sets of Gear are to be replaced in year 1 and year 2 of the Agreement. This averages out to approximately 35 sets per year. All quantities are estimates and CFR reserves the right, at its sole discretion, to reduce or increase quantities.

6.8. Presentations/Demonstrations

As Proponents may offer different features in terms of overall designs, ergonomic features, reinforcements and other aspects of the Gear, CFR may request Proponents to submit and/or demonstrate at no cost or obligation to the City, up to 20 complete sets of Gear which may be field tested across the full range of firefighter activities. Gear may be tested against similar products for comparison purposes and in order to validate that all items included or claimed to be in compliance are accurate.

The Proponents agree that the CFR can use these samples for testing purposes and may consume such samples. Samples not consumed during a testing process will be returned to the respective Proponent.

6.9. Sizing

To ensure a perfect fit, sizing is to be based on actual measurements taken of the firefighter by a trained measurement specialist, or sizing try-ons, or both. Sizing measurements are to be taken according to a schedule and location(s) mutually agreed between the Vendor and CFR. The Vendor is to provide a minimum of 72-hours advance notice in effort to schedule a weekday and/or evening time frame so as to allow the opportunity for all participating firefighters to be available for fitting, at CFR's discretion.

Coats are to be available in male and female patterns in chest measurements of two-inch (2") increments. The trousers inseam measurements are to be available in a maximum of one-inch (1") increments. CFR is not responsible for travel cost incurred for fitting sessions.

Garments to be available in custom sizing as follows:

- Coat chest in 2-inch (5.1 cm) increments,
- Coat sleeve in 0.5-inch (1.3 cm) increments,
- Coat back length in 1-inch (2.5 cm) increments,
- Pant waist in 1-inch (2.5 cm) increments
- Pant inseam in 1-inch (2.5 cm) increments.

A full range of women's sizing, on women's patterns, to also be available. Each sleeve and inseam length are to provide 100% gradation from shoulder to wrist, and from hip to ankle, to provide proper fit for individual arm and leg lengths. Pattern tailoring to custom-fit neck, bicep, hip/seat and thigh circumferences is also to be provided, when needed, at no additional charge.

Neither Small-Medium-Large-Extra Large sizing nor women's garments cut to men's patterning are considered acceptable, since proper fit facilitates mobility and minimizes stress.



City of Coquitlam

PROPOSAL SUBMISSION FORM

RFP No. 25-056

Turnout Gear

Proposals will be received as per the date and time specified in the [Key Dates Section](#) of the RFP.

INSTRUCTIONS FOR PROPOSAL SUBMISSION

Proposal submissions are to be returned in Microsoft Word and any other supporting documents to be consolidated into one PDF file and uploaded through QFile, the City's file transfer service accessed at website: qfile.coquitlam.ca/bid

1. In the "Subject Field" enter: RFP Number and Name

2. Add files and "Send Files"

(Ensure your web browser remains open until you receive 2 emails from QFile to confirm upload is complete.)

Proponents are responsible to allow ample time to complete the Proposal Submission process. If assistance is required phone 604-927-3037.

Legal Name of Company	
Contact Person and Title	
Business Address	
Telephone	
Email Address	

1. DEPARTURES

a) CONTRACT - I/We have reviewed the City's **Standard Terms and Conditions - Purchase of Goods and Services** (per Section 2 of the RFP) and would be prepared to enter into in an agreement that incorporates the City's Standard Terms and Conditions, amended by the following departures (list, if any):

Section	Requested Departure(s) / Alternative(s)

b) SERVICES - I/We have reviewed the Scope of Services as described in this RFP and are prepared to meet those requirements, amended by the following departures and additions (list, if any):

Requirements – Requested Departure(s) / Alternate(s) / Addition(s)

2. CORPORATE

a) CAPABILITIES, CAPACITY AND RESOURCES - Proponents to provide information on the following (use the spaces provided and/or attach additional pages, if necessary):

i. Provide an overview of the Proponent's organizational background, including history, mission, vision, corporate structure, and years in business:

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ii. Provide a detailed narrative as to the Proponent's understanding of the project objectives, outcomes and vision:

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iii. Proponent is to state any value added benefits and activities they can provide in delivering the Services. Provide details:

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iv. Describe the Proponent's current capabilities and capacity to perform the Services, including relevant resources, staffing levels, and the ability to manage this project alongside existing workloads:

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b) REFERENCES – Proponent shall be competent and capable of performing the Services requested and successfully delivered service contracts of similar size, scope and complexity. The City reserves the right to contact any person(s), agency(ies) or firm(s) not listed as part of an independent review (use the spaces provided and/or attach additional pages, if necessary):

Reference No. 1	
Project Title and Description of Contract	
Size and Scope	
Work Performed	
Start Date and End Date	
Contract Value	
Completed on budget and schedule	
Project completed on schedule	
Reference Information	Company:
	Contact Name:
	Phone Number and Email:
Reference No. 2	
Project Title and Description of Contract	
Size and Scope	
Work Performed	
Start Date and End Date	
Contract Value	
Completed on budget and schedule	
Project completed on schedule	
Reference Information	Company:
	Contact Name:
	Phone Number and Email:
Reference No. 3	
Project Title and Description of Contract	
Size and Scope	
Work Performed	
Start Date and End Date	
Contract Value	
Completed on budget and schedule	
Project completed on schedule	
Reference Information	Company:
	Contact Name:
	Phone Number and Email:

3. **SUSTAINABLE BENEFITS AND SOCIAL RESPONSIBILITY**

I.	Describe all initiatives, policies, programs and product choices that illustrate your firm's efforts towards sustainable practices and environment responsibility in providing the services that would benefit the City
II.	What policies does your organization have for hiring apprentices, indigenous peoples, recent immigrants, veterans, young people, women, people with disabilities and any other groups:
III.	What policies does your organization have for the procurement of goods and services from local small and medium sized business or social enterprises or Indigenous owned businesses:
IV.	What policies does your organization have to support reconciliation with indigenous peoples:

4. **TECHNICAL**

a) APPROACH and METHODOLOGY	Summarize the key features of your Proposal and outline the Technical Approach to be used. Provide a brief description of the components required for the successful completion of the Work.
I. Delivery, Set-Up and Execution	Proposals should outline the plan for the delivery, set up, and execution of the Work.
II. Quality Assurance	Provide the measures the Proponent will use to maintain quality control for the Services being performed.
b) State lead time for each item:	

c) Demonstration - CFR may elect to request demonstration units as well as presentations of the Gear proposed. Proponent is to state notification required to provide a demonstration of Gear as well as notification required to arrange a presentation if so requested. For demonstration and evaluation purposes sample Gear provided is to be equal to or as close to CFR's specification as possible.

d) Warranty Service Center - State location of nearest affiliate service facilities with factory authorized technician

Business Name:	
Address:	
Phone:	
Website:	
State the procedure for handling warranty claims:	
Turnaround time for warranty work:	

e) Warranties AND EXTENDED WARRANTIES - State Warranties and Extended Warranties:

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5. FINANCIAL

a) PRICE - Prices proposed are to be all inclusive; therefore, include all labour, material, tools, equipment, transportation, fuel, supervision, disposal fees, permit fees and any other items required for provision of the services (exclude GST):

ITEM	SCOPE OF WORK	Unit of Measure	PRICE (exclude GST)
i.	Turnout Gear – Complete Set as per Appendix A – Preferred Specifications	Each	\$
ii.	Levies (if applicable)	Each	\$
iii.	Tariff Costs (if applicable):	Each	\$
iv.	Other not Listed:		\$
Total per set			\$

b) Miscellaneous – provide information on the Turnout Gear fabric, components and manufacturing related to tariffs.	
Location of Manufacturing	
Fabric and Components country of origin(s)	
Provide details on options to mitigate potential tariff costs	

Attention Purchasing Manager:

6. **I/We, the undersigned duly authorized representative of the Proponent**, having received and carefully reviewed all of the Proposal documents, including the RFP and any issued addenda posted on the City's website www.coquitlam.ca/Bid-Opportunities, and having full knowledge of the Site, and having fully informed ourselves as to the intent, difficulties, facilities and local conditions connected to performing the Services; submit this Proposal in response to the RFP.
7. **/We** agree to the rules of participation outlined in the **Instructions to Proponents** (per section 2 of RFP) and should our Proposal be selected, agree to the City's **Standard Terms and Conditions - Purchase of Goods and Services** (per Section 2 of RFP) and will accept the City's Contract as defined within this RFP document.
8. **I/We acknowledge** receipt of the following Addenda related to this Request for Proposals and have incorporated the information received in preparing this Proposal.

Addendum No.	Date Issued

This Proposal is submitted this ____day of _____, 20____.

I/We have the authority to sign on behalf of the Proponent and have duly read all documents.

Legal Name of Company	
Signature(s) of Authorized Signatory(ies)	1.
	2.
Print Name(s) and Position(s) of Authorized Signatory(ies)	1.
	2.

APPENDIX A

PREFERRED SPECIFICATIONS

ITEM NO.	DESCRIPTION	MEETS PREFERRED SPECIFICATIONS YES / NO	REQUESTED INFORMATION
1. General			
a)	<p>The Turnout Gear requirement details design and material criteria to afford protection to the upper and lower body, excluding head, hands and feet against adverse environmental effects during structural firefighting. All materials and construction will meet or exceed NFPA 1970 Standard on Protective Ensembles for Structural and Proximity Firefighting, Work Apparel, Open-Circuit Self-Contained Breathing Apparatus (SCBA) for Emergency Services, and Personal Alert Safety Systems (PASS) 2025 Edition for Turnout Gear.</p> <p>Compliance with the 2025 Standard is effective September 18, 2025.</p> <ul style="list-style-type: none"> Proponent to supply certification which validates that Turnout Gear offered meets the NFPA 1970–2025 Edition requirements for structural firefighting use: Proponent to describe in detail and confirm that the gear meets all certification, labelling, design, performance and testing criteria and requirements in Chapters 5, 6, 7, 8 and 9 of the Standard: It is our preference that all supplied Turnout Gear is manufactured, constructed and certified as meeting the 2025 Standard. Describe how the products will meet the 2025 Standard, if ordered and manufactured prior to September 18, 2025: 		
2. Outer Shell Material – Turnout Gear			
a)	<p>The outer shell shall be constructed with a blend material of the following specification: in a rip stop weave of an approximate weight of six-point-five (6.5) ounces per square yard Armor AP™ or equivalent. .</p> <p>Shell material should be treated with a durable water-repellent finish that enhances abrasion resistance.</p> <p>The colour of Turnout Gear shall be gold, however, COQUITLAM FIRE/RESCUE reserves the right to select the colour after the award of contract.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for outer shell material: State colour availability: 		

ITEM NO.	DESCRIPTION	MEETS PREFERRED SPECIFICATIONS YES / NO	REQUESTED INFORMATION
3. Thermal Insulating Liner – Turnout Gear			
a)	<ul style="list-style-type: none"> The thermal liner shall be constructed of the following specification: an approximate weight of seven-point-four (7.4) ounces per square yard Glide Ice™ 2L Araflo® (2 (two) layer) or equivalent. Describe in detail on how the product offered meets and/or exceeds the above requirement for thermal insulating liner: 		
b)	<p>The thermal liner shall be bound around its perimeter with bias-cut neoprene coated cotton/polyester binding or other suitable material.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for thermal insulating liner: 		
4. Moisture Barrier – Turnout Gear			
a)	<p>The moisture barrier shall be constructed of the following specification: an approximate weight of six-point-five ounces per square yard StedAIR® Clear or equivalent.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for moisture barrier material characteristics: 		
b)	<p>The moisture barrier material shall meet all moisture barrier requirements of NFPA 1970 – 2025 Edition, which includes water penetration resistance, viral penetration resistance, and common chemical penetration resistance.</p> <p>The moisture barrier shall be bound along the edges with bias-cut neoprene-coated cotton/polyester binding.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for moisture barrier material characteristics: 		
5. Method of Thermal Liner/Moisture Barrier Attachment – Turnout Gear			
a)	<p>The thermal liner and moisture barrier shall be completely removable from the jacket shell.</p> <p>The thermal liner/moisture barrier shall be secured with a minimum of eighteen (18) rust resistant snap fasteners appropriately spaced on each jacket facing and neck with an additional two (2) snap fasteners at each sleeve end.</p>		
b)	<p>The coat placket thermal liner attachment system shall be independent of the outer shell fabric: A two and one-half (2.5) inches wide double layer of outer shell material or</p>		

ITEM NO.	DESCRIPTION	MEETS PREFERRED SPECIFICATIONS YES / NO	REQUESTED INFORMATION
	<p>equivalent shall form the thermal liner attachment backing for the entire length of the coat front right and left placket edges. The fabric shall be double stitched to the coat body and the backing material shall be folded so that it returns to the inside of the coat. The edges of the backing material shall be sealed with a one (1) inch wide neoprene tape and stitched to the fabric. The male side of the snap fasteners shall be attached to the backing fabric and the female side of the fastener shall be attached to the thermal liner. The backing attachment medium shall prevent heat transfer through the snap fasteners to the wearer.</p> <p>The thermal liner attachment system at the coat collar location shall be constructed similarly to the coat plackets. The collar attachment shall require a minimum of one-half (0.5) inch wide double layer of outer shell material or equivalent with edge treatment, stitching and fastener configuration similar to the coat placket arrangement.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for thermal liner / moisture barrier attachment: 		
c)	<p>The thermal liner and moisture barrier shall be completely removable from the trouser shell. Ten (10) rust resistant snap fasteners shall be spaced along the waistband to secure the thermal liner/moisture barrier to the shell. Additionally, the right edge of the thermal liner at the intersection of the thermal liner and pants fly enclosure shall be secured to the trouser shell with hook and pile tape. The legs of the thermal liner/moisture barrier shall be secured to the shell by means of two (2) snap fasteners per leg.</p> <p>The trouser waist thermal liner attachment system shall be independent of the outer shell fabric: A one and one-half (1.5) inches wide double layer of outer shell material or equivalent double stitched to the top of the trouser waist shall form the thermal liner attachment backing for the trousers. The female side of the snap fasteners shall be attached to the backing fabric and the male side of the fastener shall be attached to the thermal liner. The backing attachment medium shall prevent heat transfer through the snap fasteners to the wearer.</p>		

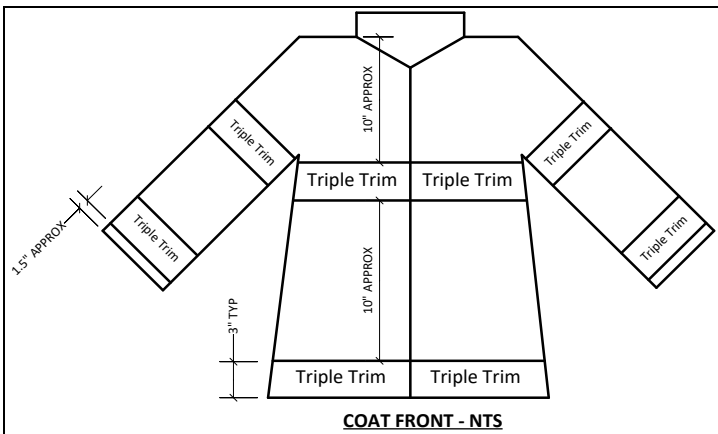
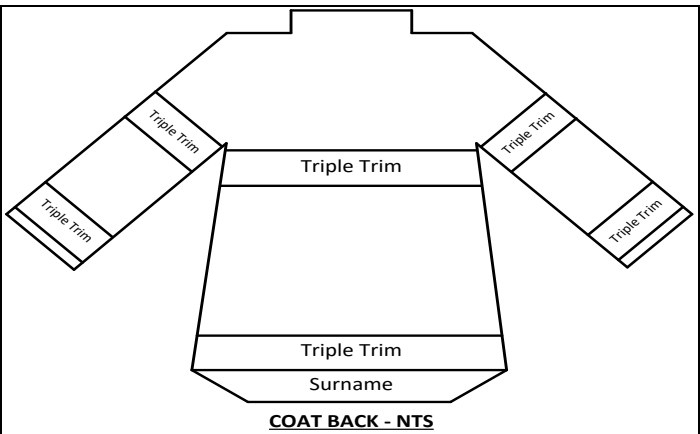
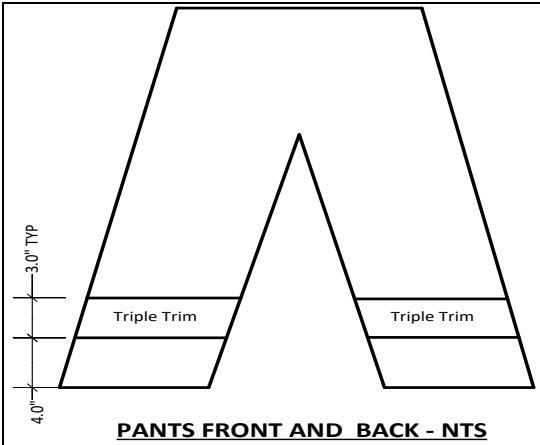
ITEM NO.	DESCRIPTION	MEETS PREFERRED SPECIFICATIONS YES / NO	REQUESTED INFORMATION
	<ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for thermal liner/moisture barrier attachment: 		
6. Liner Inspection System – Turnout Gear			
a)	<p>The thermal liner/moisture barrier in the Turnout Gear shall have a liner inspection system and the opening shall be sealed with hook and pile fastener.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for liner inspection system 		
7. Mobility Enhancement Features – Turnout Gear			
a)	<p>The Turnout Gear will have features incorporated into the design to enhance the mobility and movement of the firefighter (including but not limited to knee, crotch, armpit and shoulder areas) with the goal to reduce overall fatigue from wearing the garments.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for mobility enhancement features: 		
8. Sealed Moisture Barrier Seams- Turnout Gear			
a)	<p>All moisture barrier seams shall be sealed with a minimum one (1) inch wide sealing tape. One side of the tape shall be coated with a heat activated glue adhesive. The adhesive side of the tape shall be oriented toward the moisture barrier seam. The adhesive shall be activated by heat and the sealing tape shall be applied to the moisture barrier seams by means of pressure exerted by rollers for that purpose.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for sealed moisture barrier seams: 		
9. Stitching – Turnout Gear			
a)	<p>Lock stitch sewing shall be used throughout the Suit's outer shell (unless otherwise specified), using flame-resistant thread.</p> <p>All outer shell seam assemblies where rupture could reduce protection of the garment to the wearer by exposing the moisture barrier/ thermal liner shall be double or triple lock stitched sewn.</p> <p>All raw edges shall be suitably bound and all stress points shall be bar tacked.</p>		

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	<p>All hook and pile tape and retro-reflective tape shall be sewn with two rows of lock stitching along each edge.</p> <p>Thermal liner seams shall be Style #516 safety serge stitched.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for stitching: 		
b)	<p>All major A seams shall be triple lock stitched.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for stitching: 		
10. Labels – Turnout Gear			
a)	<p>Each set of Turnout Gear shall have garment label(s) permanently and conspicuously attached stating at least the minimum requirements of Chapter 6, NFPA 1970-2025, as well as detailed warning instructions provided by the manufacturer.</p> <p>Garment tracking label system shall also be provided.</p> <p>Labelling shall include, but not be limited to the following:</p> <ol style="list-style-type: none"> “THIS STRUCTURAL FIRE FIGHTING PROTECTIVE (insert element term here) MEETS THE (insert element term here) REQUIREMENTS OF NFPA 1970 (1971), 2025 EDITION. DO NOT REMOVE THIS LABEL. The certification organization’s label, symbol, or identifying mark shall be permanently attached to the product label or shall be part of the product label; Each element of both protective ensembles shall have at least one product label permanently and conspicuously located inside each element (outer shell, thermal liner and moisture barrier) when the element is properly assembled with all layers and components in place; The information contained in NFPA 1970-2025, Table 6.1.7 shall be printed on each product label or printed directly on the product; THIS [type of protective element] UPON CERTIFICATION HAS A PFAS (TOTAL FLUORINE) CONCENTRATION OF NO MORE THAN 100 PPM; For garments only, the garment manufacturer shall place a manufacturer's identification number, lot number or serial number, the size or size range, the symbol of the certification organization, and the words “NFPA 1970 (1971), 2025 ED.” on the drag rescue device (DRD); and 		

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	<p>7. TRACKING LABEL SYSTEM: there shall be a two (2) dimensional bar code label permanently affixed to each garment for tracking purposes.</p> <p>The label shall contain at a minimum the following information:</p> <ul style="list-style-type: none"> • Unique serial number; • Item description (brand, model); • Lot information (date of mfg., size, etc.); • Material description; • Standards to which the garment is compliant; • Barcode; • Name of Department; and • Name of Firefighter • Describe in detail on how the product offered meets and/or exceeds the above requirement for labelling: 		
b)	<p>Labels (as noted in 10(a) above) shall be affixed to all parts, the outer shell, moisture barrier and thermal liner.</p> <p>The bar code shall be in accordance with NFPA 1970, 2025 Edition.</p> <p>The bar code shall be able to withstand customary wash and wear cycles.</p> <ul style="list-style-type: none"> • Describe in detail on how the product offered meets and/or exceeds the above requirement for labelling: 		
c)	<p>The manufacturer shall provide at least the user information that is specified in sentences 6.5.4 and 6.5.5 of NFPA 1970 – 2025 with each structural firefighting Turnout Gear set. This information shall be permitted to be delivered from the manufacturer in various formats, including, but not limited to, printed materials or instructions to access the information electronically/digitally.</p> <ul style="list-style-type: none"> • Describe in detail on how the product offered meets and/or exceeds the above requirement for user information: 		
11. Composite Performance – Turnout Gear			
a)	<p>(i) The garment composite, consisting of the outer shell, moisture barrier and thermal liner, must provide a Total Heat Loss (“THL”) of not less than two hundred and five (205) W/m² when tested in accordance with NFPA 1970-2025 Edition;</p> <p>(ii) Garment composites consisting of the outer shell, moisture barrier, and thermal barrier shall be tested for</p>		

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	<p>evaporative resistance as specified in Section 9.7.2, Evaporative Resistance Test 1, and shall have an evaporative resistance value of less than or equal to 45 Pa·m²/W when tested in accordance with NFPA 1970-2025 Edition;</p> <p>(iii) Garment element sleeves that include enhancements exterior to the outer shell shall be considered enhanced composites. Enhancements shall include items such as visibility markings and other materials used in construction, including, but not limited to, padding, reinforcements, emblems, patches, and logos, but excluding reinforcement materials that do not extend more than 25 mm (1 in.) when measured from the edge of the cuff along the sleeve. The enhanced composite shall be tested for transmitted and stored thermal energy as specified in Section 9.2.15, Transmitted and Stored Thermal Energy Test, and shall have an average predicted time to second-degree burn of 130 seconds or greater;</p> <p>(iv) Garment outer shells shall be evaluated for flame resistance following fuel exposure and cleaning as specified in Section 9.9.4, Flame Resistance Following Fuel Exposure and Cleaning Test, with the following results reported in the user information:</p> <p>(1) Indices of repellency, penetration, and absorption following exposure to diesel fuel;</p> <p>(2) Indices of repellency, penetration, and absorption following exposure to diesel fuel and after being subjected to laundering conditioning;</p> <p>(3) Flame resistance following exposure to diesel fuel; and</p> <p>(4) Flame resistance following exposure to diesel fuel and the application of one cleaning cycle; and</p> <p>(v) Garment elements shall be evaluated for compliance with Section 8.21.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for composite performance: 		
b)	The garment composite, consisting of the outer shell, moisture barrier and thermal liner, must provide a Thermal Protective Performance ("TPP") of not less than thirty five (35) when tested in accordance with NFPA 1970-2025 Edition.		

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	<ul style="list-style-type: none"> Describe in detail on how the product offered meet and/or exceed the above requirement for composite performance: 		
c)	<p>COQUITLAM FIRE/RESCUE has a preference, that all materials used in the Turnout Gear be breathable with the exception of the neoprene pocket liners, knee and shoulder reinforcements, water-wells, bottom leg treated fabrics, fabric edges or equivalent reinforcements and thus it is incumbent on all manufacturers to reduce the total area of the Turnout Gear that uses non-breathable materials.</p> <ul style="list-style-type: none"> State in detail materials used in the Turnout Gear offered that are not breathable: 		
12. Sizing – Turnout Gear			
a)	<p>Turnout Gear must be available in male and female sizes, custom fit and tailored from measurements taken by the successful Proponent.</p> <p>Sizing sets may be used to assist in the fitting.</p> <p>Proponents must currently have male and female cut patterns.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for sizing and proper fit: 		
b)	<p>Proponents to guarantee proper fit after Turnout Gear is washed and dried, in accordance with the manufacturer's instructions.</p> <p>Upon any discrepancies regarding fit, the Contractor will alter the Turnout Gear or replace the Turnout Gear to the satisfaction of COQUITLAM FIRE/RESCUE and at no cost to COQUITLAM FIRE/RESCUE.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for sizing and proper fit: 		
13. Retro-reflective Fluorescent Trim Sizing – Turnout Gear			
a)	<p>The retro-reflective fluorescent trim shall be ventilated 3M™ Scotchlite™ or equivalent triple trim, yellow borders with silver centre.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for retro reflective fluorescent trim: 		

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b)	<p>Each set of Turnout Gear’s retro-reflective fluorescent trim affixed to the outside of the outer shell shall meet the requirements of NFPA 1970-2025 Edition.</p> <p>The trim shall be three (3) inches wide and shall be New York City style and continuous around arm, body and leg locations as shown on the explanatory diagrams below.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for retro reflective fluorescent trim: 		
<div>   </div>			
<div>  </div>			
14. Garment Reinforcements – Turnout Gear			
a)	<p>Leather or equivalent approved materials shall be used at high stress points and material interfaces on the garment to provide durability.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for garment reinforcements: 		

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15. Garment Mechanical Fasteners – Turnout Gear			
a)	<p>All mechanical fasteners including, but not limited to snaps, domes, buttons, spring-loaded snap hooks, D-rings, zippers, slides, adjustable clips and hooks shall be of high quality YKK brand or equivalent.</p> <p>Fasteners shall be corrosion resistant.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for garment mechanical fasteners: 		
16. Warranty			
a)	<p>The garments shall include a minimum five (5) year warranty for the protective ensembles with a further guarantee that such products will be free from any defect in workmanship or any patent material defect.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for warranty and repair: 		
b)	<p>The warrantor shall repair or replace, at its option, any garment that does not meet the aforementioned warranty.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for warranty and repair: 		
c)	<p>The warrantor shall provide notification to COQUITLAM FIRE/RESCUE six (6) months prior to the warranty expiry date, offering testing, at our option, of the garment outer shell material, thermal insulating liner and moisture barrier.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for warranty and repair: 		
17. Non- Fluorinated Materials			
a)	<p>Materials used in the manufacture and construction of the garments shall be non-fluorinated fabrics and technologies. The following requirements of NFPA 1970 – 2025 shall apply for the Turnout Gear specification:</p> <ul style="list-style-type: none"> Clause 6.1.7.5 (labelling) Appendix clause A.6.1.7.5 (determination and total fluorine limits) Subclause 9.10.2.6.3 (reports) If requested, a separate laboratory report shall be prepared on the total fluorine results of all 		

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	<p>applicable materials and components specific to the protective element for which the product label claim in 6.1.7.5 is being made.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for non-fluorinated fabrics and manufacture: 		
18. Manufacturer's Information & Credentials			
a)	<p>The Turnout Gear manufacturer shall be certified by an accredited certification organization in accordance with the requirements of Chapter 4 of NFPA 1970 – 2025. Information shall be able to be provided as follows:</p> <p>(i) The independent third party certifying organization's name;</p> <p>(ii) The certification organization is accredited to the requirements of ISO/IEC 17065 by an accreditation body operating to ISO/IEC 17011 ;</p> <p>(iii) The Turnout Gear's listing document produced by the certification organization;</p> <p>(iv) Textile suppliers to the manufacturer meet Sections 4.3.9.6 & 4.3.9.6.1 of the NFPA 1970 – 2025 standard for fluorine levels; and</p> <p>(v) The manufacturer maintains compliance with Sections 4.4 – 4.9 of the NFPA 1970 – 2025 standard.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for certification and accreditation: 		
COAT REQUIREMENTS			
19. Personalized Name Plate – Coat			
a)	<p>A personalized name plate using outer shell material with the firefighter's surname shall be provided and sewn to the lower back (below lower back triple trim) of the coat.</p> <p>Lettering shall be two (2) inch high 3M™ Scotchlite™ or equivalent lime/yellow colour located with the top of the letters one (1) inch below the bottom border of the reflective triple trim.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for personalized name plates, including letter colour and size: 		

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b)	<p>"COQUITLAM FIRE/RESCUE" shall be provided and sewn on the upper back of the coat with "COQUITLAM" (nine (9) letters) in an arch; there shall be a space of five (5) inches between the bottom seam of the collar and the top of the arched "U" and "I".</p> <p>"FIRE" (four (4) letters) and "RESCUE" (six (6) letters) shall be sewn above the bottom triple trim (lower back); "RESCUE" to be placed below "FIRE" with words separated by approximately one-half (1/2) inch from the bottom of "FIRE" to the top of "RESCUE"; the bottom of the "RESCUE" letters shall be located one (1) inch above the top of the bottom triple trim. Lettering shall be two (2) inch high 3M™ Scotchlite™ or equivalent lime/yellow colour.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for personalized name plates, including letter colour and size: 		
20. Drag Rescue Device – Coat			
a)	<p>A Drag Rescue Device ("DRD") shall be installed in each coat. The strap shall be installed in the coat between the liner system and outer shell such that when properly installed will loop around each arm.</p> <p>The strap will be accessed through a portal between the shoulders on the upper back where it is secured in place by a hook and pile (Velcro®) flap.</p> <p>The access port will be covered by an outside flap with straight corners designed to fit between the shoulder straps of a Self- Contained Breathing Apparatus (SCBA) pack.</p> <p>The flap will have a compliant reflective patch sewn to the outside to clearly identify the feature as the DRD.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for drag rescue device: 		
21. Liner Elbow Thermal / Comfort Enhancement – Coat			
a)	<p>An approximate three (3) inches wide by seven (7) inches long layer of Lite-N-Dri™ or equivalent non-absorbing, closed cell padding shall be sewn to the elbow area of the liner system for added protection at contact points and to provide increased thermal insulation.</p>		

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	<ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for liner elbow thermal enhancement: 		
22. Coat Positive Closure System – Coat			
a)	<p>A minimum of four (4) rust resistant spring-loaded snap hooks shall be attached to the right coat placket and spaced appropriately to ensure a positive coat closure when attached to D-rings on the left coat placket. Snap hooks shall be attached to the outer shell material with a minimum of three (3) clothing rivets and shall have a minimum two (2) inches square leather backing material on the inside of the coat at each attachment point.</p>		
b)	<p>Four (4) rust resistant D-rings shall be provided on the left coat placket and be attached to the two and a-half (2.5) inches wide outer shell thermal liner backing flap. The D-rings shall be attached to the coat by a minimum of (2) clothing rivets and shall have a minimum three-quarters (0.75) inch by one and a-half (1.5) inches leather backing material on the inside of the coat at each attachment point.</p> <p>Three (3) rust resistant appropriately spaced snap fasteners shall be provided at the outside placket edges of the coat. The right side shall have the male fasteners and the left side shall have the female fasteners.</p> <p>A zippered closure may be considered at the preference of the firefighter fitted for the garment.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for coat positive closure system: 		
c)	<p>The jacket shall be constructed with a five and one-half (5.5) inches wide storm flap (right side) made from a double layer of outer shell material running from the underside of the collar to the top level of the jacket's lower reflective trim and fitted with a hook and pile (Velcro®) closure system.</p>		

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	<ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for coat positive closure system: 		
23. Wristlets/Elasticized Adjustable Sleeve Wells – Coat			
a)	<p>Each coat shall be equipped with a blended Kevlar® and Nomex® elasticized or equivalent cuff hand and wrist guards (over the hand) not less than six and one half (6.5) inches in length and of double thickness.</p> <p>A separate neoprene reinforced thumbhole with an approximate diameter of two (2) inches shall be recessed approximately one (1) inch from the leading edge.</p> <p>The thumbhole perimeter will be reinforced and the wristlets shall extend approximately three (3) inches past the end of sleeve, when the coat is not being worn.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for sleeve wells: 		
24. Sleeve Cuff Reinforcements - Coat			
a)	<p>The sleeve cuffs shall be reinforced with black polymer coated Kevlar® or leather or equivalent.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for sleeve cuff reinforcements: 		
25. Water Well on Sleeve – Coat			
a)	<p>A water well shall be formed at the end of each sleeve using the specified moisture barrier material or neoprene or equivalent fabric approximately five (5) inches long.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for water well on sleeves: 		
b)	<p>One (1) end of the well shall be sewn to the inside of the cuff of the sleeve's shell fabric and shall pass up the inside of the sleeve for a distance of approximately four (4) inches.</p> <p>It shall be sewn to the shell fabric with a double line of lock stitching around the perimeter of the sleeve.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for water well on sleeves: 		

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c)	<p>The well shall be inverted and will come back down the sleeve, thus the end of the remaining material comes in approximate line with the cuff of the sleeve.</p> <p>The well shall not extend past the end of the sleeve.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for water well on sleeves: 		
d)	<p>Two (2) rust resistant metal drain eyelets shall be installed on each side of the water well for drainage. These will be positioned so that any water drainage is oriented away from the wearer.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for water well on sleeves: 		
e)	<p>The open end of the well shall have an elasticized hem, to fit snugly around the wrist of the wearer, thereby minimizing the possibility of water leakage into the arm area when in a raised position.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for water well on sleeves: 		
26. Shoulder Liner / Upper Back Thermal Enhancement and Shoulder Reinforcement – Coat			
a)	<p>An additional layer of thermal liner material shall be used to increase thermal insulation in the upper back, front and shoulder area of the liner system.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for shoulder liner / upper back thermal enhancement and shoulder reinforcement: 		
b)	<p>Shoulder reinforcement shall be provided consisting of an approximate eight (8) inches long by six (6) inches wide abrasion resistant material, black polymer coated Kevlar® or equivalent centered over the shoulder area between the collar and the sleeve seam, double stitched around the edges and tapered to fit as necessary.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for shoulder liner / upper back thermal enhancement and shoulder reinforcement: 		

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27. Pockets – Coat			
a)	<p>Each coat front body panel shall have a minimum two (2) inch deep by ten (10) inch wide by nine (9) inch high expansion (semi-bellows) pocket double stitched to the outer shell material and shall be located such that the bottom of the pocket is at the bottom of the coat for full functionality when used with an SCBA. Retro-reflective trim shall run over the bottom of the pocket so as to not interrupt the trim stripe.</p> <p>Two (2) rust resistant metal drain eyelets shall be installed in the bottom of each expansion pocket to facilitate drainage of water.</p> <p>The pockets shall be lined 5" high all sides and the bottom with Twaron® or Kevlar® or equivalent material.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement and state size of coat pocket offered: 		
b)	<p>The right front coat pocket shall contain a neoprene fabric inner pocket (medical glove pocket) centered inside with the top of the pocket located at the top of the inner liner, measuring four point five (4.5) inches wide by three (3) inches high with a one point seven-five (1.75) inches long flap and a hook and pile tape (Velcro®) closure.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement and state size of interior pocket offered: 		
c)	<p>Each coat shall have pockets designed for the storage of a portable radio. Pocket shall be of box type construction; neoprene lined, double stitched to the coat, and shall have two (2) drainage eyelets in the bottom of the pocket.</p> <p>The minimum four and one quarter (4.25) inch pocket flap shall be closed by means of a flame resistant hook and pile fastener tape.</p> <p>A notch shall be made in each side of the pocket flaps to allow the antenna and extended mic to stick out with the pocket flap fully fastened.</p> <p>The radio pocket shall measure approximately two (2) inches deep by four and half (4.5) inches wide by seven and one quarter (7.25) inches high and shall be installed on the wearer's right and left chest and shall not impede the SCBA straps.</p>		

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	<p>Retro-reflective trim shall run over the pocket (near the bottom of the pocket) so as not to interrupt the trim stripe.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement and state size of radio pocket offered: 		
d)	<p>Each coat will have one interior pocket incorporated into the thermal liner and be made from outer shell material or equivalent with an approximate size of seven (7) inches wide by nine (9) inches high.</p> <p>The pocket shall include a slot for a pencil.</p> <p>With the exception of the pencil slot, the pocket shall be equipped with a hook and pile closure system.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement and state size of interior pocket offered: 		
e)	<p>Each coat shall have a pocket located inside the right storm flap that has an approximate five and three quarters (5.75) inches wide opening and the pocket shall be seven (7) inches wide.</p> <p>The pocket lining shall be constructed of outer shell material or equivalent.</p> <p>The pocket opening shall be located at the junction of the inside of the storm flap with the top of the pocket opening approximately three (3) inches below the bottom collar seam centered between the top two (2) snap hooks.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement and state size of interior pocket offered: 		
f)	<p>Except for the storm flap sash pocket, all pockets shall be equipped with hook and pile (Velcro®) tape enclosures.</p> <p>Pocket flaps shall be constructed with outer shell material.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for enclosures and flaps of the coat pockets: 		
28. Microphone Strap – Coat			
a)	<p>A strap shall be constructed to hold a microphone for a portable radio. It shall be sewn to the coat at the ends only.</p> <p>The microphone strap shall be mounted above each of the radio pockets approximately three (3) inches above the top</p>		

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	<p>of the radio pocket and shall be constructed of a double layer outer shell material.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for microphone strap: 		
29. Flashlight Holder – Coat			
a)	<p>One, self-material universal clip shall be placed on the storm flap and shall be positioned with the top of the universal clip at the same height as the top of the radio pocket on the right chest.</p> <p>One (1) inch below the clip a self-material retention strap two and one-half (2.5) inches wide will be mounted that will fasten around the flashlight through a hook and pile system.</p> <p>This strap will require enough length (approximately eight and one-half (8.5) inches long) to accommodate common hand lights on the market including a Streamlight Survivor.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for flashlight holder: 		
30. Collar / Throat Tab / Hanging Loop – Coat			
a)	<p>The outer shell collar height will be a minimum of three (3) inches high and made from a double layer of outer shell material and will include a throat tab.</p> <p>The throat tab shall be approximately crescent shaped, made from a double layer of outer shell material, and measure approximately four (4) inches deep at the center-point and twelve (12) inches wide.</p> <p>Hook and pile tape shall be provided at the center-back of the collar and on the front left side of the collar so that the throat tab can be closed at the front or latched to the back of the collar.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for collar and throat tab, including construction details: 		
b)	<p>The thermal liner shall feature a collar that rises approximately one and one-half (1.5) inches at the center back of the jacket and tapers down to approximately one-half (1/2) inch at the front.</p>		

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	<p>The collar shall be formed from outer shell material wrapped around the edge of the thermal liner and secured by stitching.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for collar, including construction details: 		
c)	<p>The outer shell coat collar shall contain a two (2) inch long loop centered at the back of the collar and attached at the collar base.</p> <p>The loop shall be made of outer shell material or equivalent, be black in color, and be designed to support the full weight of the entire coat ensemble when hung by the loop.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for hanging loop, including construction details: 		
31. Embroidered Canadian Flag – Coat			
a)	<p>Each coat shall have a Nomex®embroidered Canadian flag that measures approximately two and one half (2.5) inches wide by one and one half (1.5) inches high installed on the left sleeve.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for embroidered flags: 		
32. Embroidered ID Tag – Coat			
a)	<p>Each coat shall have one two (2) inches high by four (4) inches wide patch made from outer shell material with an embroidered surname in white capital letters measuring nine-sixteenth (9/16) inches high and member ID number (three numbers) in white measuring nine-sixteenth (9/16) inches high. The patch shall be attached below the mic loop on the left chest.</p> <p>Member surname shall be placed on the top 'line' of the tag and the member ID shall be located below the surname.</p> <p>Name and ID shall be centered on the patch and there shall be a one-eighth (1/8) inch vertical space between the bottom of the letters and the top of the numbers.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for embroidered ID Tags: 		

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33. Sweep Tabs – Coat			
a)	<p>There shall be two tabs made from outer shell materials attached to the liner of the coat that snaps to the inside of the outer shell at the rear hemline of the coat in order to help keep the liner system from riding up when a SCBA is donned.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for coat sweep tabs: 		
34. Shape – General – Coat			
a)	<p>Wearer height and size will dictate, however, when measured at the centre of the back from the collar seam to the hem bottom, the coat shall measure approximately thirty-four (34) inches in length (regular length jacket).</p> <p>The back of the coat shall feature a flap of outer coat shell material extending below the natural hem line by four (4) inches for a width of fourteen (14) inches (seven (7) inches in width as measured on each side of the rear centerline of the coat) gradually tapering up on each side to meet with the natural hem line of the coat ending at the front seams of the front pockets.</p> <p>The front of the coat will have a graduated curve shaping to a finished length of approximately twenty-nine (29) inches.</p> <p>Tailored two-panel sleeves shall be provided and shaped like the natural bend of the human arm.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for coat shape: 		
PANT REQUIREMENTS			
35. Suspender Connector Straps – Pants			
a)	<p>Four (4) straps approximately two (2) inches wide x three (3) inches long, made of outer shell material or equivalent shall be sewn into the top of the waistband for holding the suspenders.</p> <p>Straps shall pass through the slide fasteners of the suspenders and snap onto themselves.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for suspender connector straps: 		
b)	<p>The rear straps shall be positioned approximately four (4) inches apart and centred on the back. The front straps shall</p>		

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	<p>be located approximately nine and one half (9.5) inches apart and centred on the front of the trousers. Measurements above shall be taken from inside edge to inside edge of the strap connectors.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for suspender connector straps: 		
c)	<p>Each strap shall have two (2) male and two (2) female snap closures for closing the strap and shall be able to pass through the suspender fastener slide opening.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for suspender connector straps: 		
d)	<p>The male fasteners shall be located approximately one half (0.5) inch from the unattached end of the strap.</p> <p>The strap shall then be folded in two at the unattached end for approximately one (1) inch and sewn so that when the fasteners are in the closed position there will be material between the hardware and the heat source.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for suspender connector straps: 		
36. Suspenders – Pants			
a)	<p>A pair of “H” shaped elasticized parachute style heavy-duty suspenders with two (2) inch wide straps, shall be supplied in the appropriate size, (e.g. short, regular, tall, extra tall) and attached to each pair of trousers.</p> <p>The suspender straps shall be provided with reflective trim (yellow/silver/yellow/silver/yellow) on the outward facing side for added visibility.</p> <p>The suspender shall have “parachute” clasps (similar to those found on SCBA chest adjustment straps) that allow for quick and easy sizing adjustments.</p> <p>Suspender loops shall be padded at the shoulder area.</p> <p>Pants with waist belts or take up straps will be considered.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for suspenders 		

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37. Pockets – Pants			
a)	<p>A full bellows expansion pocket made from outer shell material, measuring approximately two (2) inches deep by ten (10) inches wide by ten (10) inches high shall be double stitched to the side of each leg straddling the outer seam above the knee and positioned to provide accessibility.</p> <p>Two rust resistant metal drain eyelets shall be installed on the underside of each expansion pocket to facilitate drainage of water.</p> <p>The pockets shall be lined 5" high all sides and the bottom with Twaron® or Kevlar® or equivalent material.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for trouser pockets: 		
b)	<p>A medical glove pocket shall be provided on the outside of the right leg main pocket.</p> <p>An approximate four (4) inches wide by three (3) inches high enclosure, tapered slightly from bottom to top, made from outer shell material, shall be provided with the pocket bottom located one and one half (1.5) inches above the bottom edge of the main pocket, centered on the main pocket and provided with a one and one half (1.5) inches flap.</p> <p>The insides of the pocket and closure flap shall be lined with neoprene fabric or equivalent.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for trouser pockets: 		
c)	<p>All trouser pockets shall be equipped with hook and pile (Velcro®) tape enclosures.</p> <p>Pocket flaps shall be constructed with outer shell material.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for trouser pockets: 		
38. Liner Knee Thermal Enhancement – Pants			
a)	<p>An additional three (3) ply layer of specified thermal liner and moisture barrier material or equivalent shall be sewn to the</p>		

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	<p>knee area of the liner system for added protection and increased thermal insulation at contact points.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for liner knee thermal enhancement: 		
39. Knee Reinforcements – Pants			
a)	<p>The knee area shall be reinforced with an extra layer of abrasion resistant material, black polymer coated Kevlar® or equivalent.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for knee reinforcements: 		
b)	<p>The knee reinforcement shall be slightly offset to the inside of the leg to ensure proper coverage when bending, kneeling and crawling.</p> <p>The knee reinforcements shall measure nine (9) inches wide by twelve (12) inches high and shall be double stitched to the outside of the outer shell in the knee area for greater strength and abrasion resistance.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for knee reinforcements: 		
40. Padding Under Knee Reinforcements – Pants			
a)	<p>Additional padding for the knees shall be incorporated into the thermal liner of the pants that are breathable.</p> <p>Three (3) layers of Lite-N-Dri™ or equivalent non-absorbing, closed cell padding approximately eight (8) inches wide by ten (10) inches high, ± one (1) inch in each direction shall be sewn into the thermal liner at the knee area for added protection and comfort.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for padding under knee reinforcements: 		
41. Pant Cuff Reinforcements – Pants			
a)	<p>The cuff area of the pants shall be reinforced with a layer of abrasion resistant material, (black polymer coated Kevlar®) or leather or equivalent.</p>		

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	<p>The reinforcement layer shall run up the inside and outside edge of the pants approximately one (1) inch and shall be fastened with a double row of stitching.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for pant cuff reinforcements: 		
42. Reverse Boot Cut & Kick Shield – Pants			
a)	<p>The outer shell pant leg cuffs shall be constructed such that the back of the leg is approximately one (1) inch shorter than the front.</p> <p>The liner shall also have a reverse boot cut at the rear of the cuff and a concave cut at the front to keep the liner from hanging below the shell.</p> <p>This construction feature shall minimize the chance of premature wear of the cuffs and injuries due to falls as a result of "walking" on the trouser cuffs.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for reverse boot cut: 		
b)	<p>A minimum three (3) inches high by three(3) inches wide reinforcing layer made of abrasion resistant black polymer coated Kevlar® or equivalent material shall be provided that is centered on the trouser inseam and located just above the bottom pant cuff reinforcement material.</p> <p>Stitching shall be double row.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for kick shields: 		
43. Ankle Protection – Pants			
a)	<p>Treated thermal lining material shall be incorporated into the bottom nine (9) inches of the trouser legs to reduce absorption and to help prevent water, smoke and soot from penetrating the pant leg.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for ankle protection: 		
44. Personalized Name Plate – Pants			
a)	<p>A personalized name plate using outer shell material with the firefighter's member ID (three (3) numbers) shall be provided and sewn to the upper rear of the trousers.</p>		

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	<p>The name plate shall be centered along the back seam and the top of the plate shall be located two (2) inches below the top of the waist.</p> <p>Name plate size shall be eight (8) inches wide by four and one half (4.5) inches high.</p> <p>Lettering shall be three (3) inch high 3M™ Scotchlite™ or equivalent lime/yellow colour located with the top of the letters located one (1) inch below the bottom border of the reflective triple trim.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for personalized name plate, including letter colour and size: 		
45. Positive Closure System – Pants			
a)	<p>A minimum of one (1) rust resistant spring-loaded snap hook and D-ring shall be located near the top of the trouser waist closure. The connection type, construction details and hardware specifications shall be similar to that described in Item No. 20.</p> <p>One rust resistant snap fastener shall be located near the top of the waist at the front fly to secure the pants to the wearer. The male fastener shall be located on the right side of the fly and the female fastener shall be located on the left.</p> <p>The trousers shall be constructed with a three (3) inches wide by ten (10) inches long tapered and overlapping fly system made from a double layer of outer shell material.</p> <p>The trouser fly shall be provided with hook and pile tape (Velcro®) to ensure positive closure.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for pants positive closure system: 		
46. Waist Side Straps – Pants			
a)	<p>Waist side straps shall be provided on the sides of the trousers and be located to facilitate snug fitting when drawn tight.</p> <p>On each side of the pants there shall be provided two (2) straps of outer shell material consisting of one strap of three quarters (0.75) inches wide by approximately six (6) inches in length and another strap three quarters (0.75) inches wide by approximately two (2) inches in length.</p>		

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	<p>One end of the strap shall feed into an adjustable clip attached to a closed loop on the adjacent strap to facilitate donning and doffing of the pants.</p> <p>Each strap shall be attached to the outer shell with a double layer of self-material a minimum of one-half (0.5) inches long and triple stitched at two (2) points on each contact patch.</p> <p>Trouser waist size will dictate, however, the approximate location of the first strap attachment points on the pants shall be eight (8) inches from the inside edge of the fly on the right side and nine (9) inches from the outside edge of the fly on the left side.</p> <p>The top edge of the straps shall be approximately one and one half (1.5) to two (2) inches below the waist.</p> <p>The straps shall be approximately seven and one half (7.5) inches long when fully drawn-out.</p> <p>The longer strap shall be located closest to the front of the pants.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for waist side straps: 		
47. Traditional Low-rise Shape – Pants			
a)	<p>Pants shall be of a traditional low-rise design.</p> <p>Samples of current pants are available for inspection to determine design style if required.</p> <ul style="list-style-type: none"> Describe in detail on how the product offered meets and/or exceeds the above requirement for traditional low-rise shape pants: 		