



City of  
Richmond

**Request for Quotation 4568Q**  
Business and Financial Services Department

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REQUEST FOR QUOTATION  
4568Q SUPPLY AND DELIVERY OF TURN OUT GEAR

Quotations will be received at the Information Counter, Main Floor, Richmond City Hall, addressed to the Purchasing Section, 6911 No. 3 Road, Richmond, BC, V6Y 2C1, until local time on.

**Thursday, September 29, 2011 12:00 pm**

**NOTES:**

1. Two (2) copies of quotations shall be in a sealed envelope or package marked with the respondent's Name, the RFQ Title and Number.
2. The Closing time will be conclusively deemed to be the time shown on the clock used by the City for this purpose.
3. Faxed quotations will not be received or considered.

All queries related to the RFQ shall be submitted

Daianna Panni, Buyer 1

email: [purchasing@richmond.ca](mailto:purchasing@richmond.ca)

The deadline for all enquiries is: **Thursday, September 15, 2011 12:00 pm**

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REQUEST FOR QUOTATION  
SUPPLY AND DELIVERY OF TURN OUT GEAR

Name of Respondent: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_

Province: \_\_\_\_\_

Postal Code \_\_\_\_\_

Telephone Number: \_\_\_\_\_

Contact Person: \_\_\_\_\_

Title: \_\_\_\_\_

Email Address: \_\_\_\_\_

Fax Number: \_\_\_\_\_

## PART A – INSTRUCTIONS TO RESPONDANTS

### 1.0 Description of Requirement

- 1.1 Quotations are invited by qualified contractors for the supply and delivery of custom fitted Turn Out Gear as set out herein, for the City of Richmond. Turn out gear will be ordered per unit (trouser, jacket and suspenders) at any time throughout the term. Orders can be as few as one (1) unit per order
- 1.2 Respondents are required to submit a quotation for the full requirement only. Partial responses will be put aside and given no further consideration.

### 2.0 Contract Term

- 2.1 The duration of the contract shall be for three (3) year and may be renewed for an additional two (2) one-year periods, to a maximum of five (5) years, upon mutual consent of both parties. Notwithstanding the foregoing the City may cancel the contract at any time.

### 3.0 Pricing

- 3.1 Prices quoted will be in Canadian currency and exclusive of all taxes, F.O.B. destination to the sites named herein, with all freight, unloading at destination, import duties, brokerage, royalties, handling, overhead, profit and all other costs included.

### 4.0 Inquiries and Clarifications

- 4.1 It is the sole responsibility of the Respondent to thoroughly examine these documents and satisfy itself as to the full requirements of this RFQ. Inquiries are to be in written form only, faxed or e-mailed to the contact person shown on the cover page. If required, an addendum will be published on the following websites:
  - a) BC Bid: <http://www.bcbid.gov.bc.ca/open.dll/welcome?language=En>
  - b) City's website: <http://www.richmond.ca/busdev/tenders.htm>
- 4.2 The City, its agents and employer shall not be responsible for any information given by way of oral or verbal communication.

### 5.0 Submission of Quotation

- 5.1 The response to this Request for Quotations (RFQ) with all accompanying schedules, appendices or addenda submitted by the Respondent will be received

up to the closing time on the date and in the place shown on the title page of this RFQ (the "Closing Time"). The Quotation shall be submitted on the forms provided in a sealed envelope or package, marked with the Respondent's name and the RFQ title and number.

- 5.2 Quotations received after the Closing Time or in locations other than the address indicated, will not be accepted and will be returned unopened.
- 5.3 The Respondent shall submit copies of its Quotation in accordance with the instructions stated herein.
- 5.4 The Respondent shall enter its corporate or legal business name on the final page of the Quotation Form. The Quotation Form must be signed in the place provided by an officer or employee having authority to bind the Respondent to the terms and conditions of this RFQ. All other pages of the Quotation Form shall be initialed by the authorized signatory in the spaces provided.
- 5.5 Amendments to a Quotation may be submitted if delivered in writing prior to the Closing Time in a sealed envelope or package, marked with the Respondent's name and the RFQ title and number.
- 5.6 Quotations may be withdrawn by written notice only, provided such notice is received at the Purchasing Services office prior to Closing Time.
- 5.7 All costs associated with the preparation and submission of the Quotation, including any costs incurred by the Respondent after the Closing Time, will be borne solely by the Respondent.
- 5.8 By submitting a Quotation, the Respondent acknowledges and agrees that the City will not be responsible for any costs, expenses, losses, damages (including damages for loss of anticipated profit) or liabilities incurred by the Respondent as a result of or arising out of submitting a Quotation for the proposed Contract, or due to the City's acceptance or non-acceptance of their Quotation or any breach by the City of the response contract between the City and each of the Respondents or arising out of any contract award not made in accordance with the express or implied terms of the Quotation documents.
- 5.9 Quotation Submissions should include:
  - a) Executive Summary - highlighting the key features and benefits of the proposed Unit.
  - b) Company Background - containing a summary of the Proponent's performance history in the supply and delivery of the proposed Turn Out Gear, and including the requested references.

- c) Project Team - identify staff to be assigned to do the Work required under this RFP and their relevant experience and qualifications to this project.
  - d) Turn Out Gear Description - Note: Proponents are to quote on standard, brand new turn out gear of the most recent manufacture. Discontinued, reconditioned, refurbished or re-manufactured gear will not be considered.
  - e) Three (3) samples Turn out gear sets for fire fighter testing purposes. See above statement "Turn Out Gear Description".
  - f) A detailed project timeline – From the initial call to the contractor, meeting set up with fire fighter (measurements taken), alternations, and delivery of the Turn Out Gear.
  - g) Methodology for providing product and service support. Product and service support operating hours shall be within the Pacific Time Zone.
  - h) Description of the Proponent's procedures for problem resolution, including escalation of service requests.
  - i) Description of the Proponent's customer service support organisation.
  - j) Provision of costs to supply and delivery of Turn Out Gear to include all costs of alternations.
  - k) Payment terms and early discount payment terms (if applicable)
  - l) Provision of completed forms
  - m) Provision of information sheets and/or brochures for the Turn Out Gear proposed.
  - n) Confirmation of the Proponent's ability to respond to service requests in the same day from initiation of call to arrival at City Hall site on an as and when required basis.
  - o) Details on warranty coverage on all parts
- 5.10 Three (3) samples of a complete turn-out gear suite (including a jacket, a pair of trousers and suspenders) should accompany each quotation. Richmond Fire-Rescue will perform a wear test on the samples which will form part of the total evaluation.

## **6.0 Conflict of Interest**

- 6.1 By submitting a Quotation, the Respondent warrants that neither it nor any of its officers or directors, or any employee with authority to bind the Respondent, has any financial or personal relationship or affiliation with any elected official or employee of the City or their immediate families which might in any way be seen by the City to create a conflict.

## **7.0 Evaluation of Quotations**

- 7.1 Quotations will be evaluated on the basis of the overall best value to City based on quality, service, price and any other criteria set out herein including, but not limited to:
- a) the Respondent's ability to meet the Requirements, qualifications and competencies set out herein;
  - b) financial offer including but not limited to prices, operating and maintenance costs, warranty, and any life cycle considerations;
  - c) the Respondent's business and technical reputation and capabilities; experience and where applicable, the experience of its personnel; financial stability; track record; and references of current and former customers;
  - d) samples received, testing and evaluating of samples by the Fire-Rescue clothing committee; and
  - e) any other criteria set out in the RFQ.
- 7.2 Prior to Contract award, the Respondent may be required to demonstrate financial stability. Should the City so request, the Respondent will be required to provide annual financial reports or a set of financial statements prepared by an accountant and covering the last two (2) fiscal years.
- 7.3 The City may, prior to Contract award, negotiate changes to the scope of the Work, the materials, the Specifications or any conditions with any one or more of the Respondents without having any duty or obligation to advise any other Respondents or to allow them to vary its prices as a result of changes to the scope of Work, the materials, the Specifications, or any conditions, and the City shall have no liability to any other Respondent as a result of such negotiations or modifications.
- 7.4 All sub-contractors of the Respondent will be subject to the same evaluation process. It is the responsibility of the Respondent to guarantee that all its sub-contractors will comply with all the Requirements and terms and conditions set out herein.
- 7.5 Preference may be given to Quotations offering environmentally beneficial products or services.

## **8.0 Acceptance and Rejection of Quotations**

- 8.1 Notwithstanding any other provision in the Quotation documents, the City has in its sole discretion, the unfettered right to:



- a) accept any Quotation;
  - b) reject any Quotation;
  - c) reject all Quotations;
  - d) accept a Quotation which is not the lowest Quotation;
  - e) accept a Quotation that deviates from the Requirements, Specifications or the conditions specified in this Quotation;
  - f) reject a Quotation even if it is the only Quotation received by the City;
  - g) accept all or any part of a Quotation; and
  - h) split the Requirements between one or more Respondents.
- 8.2 All Quotations shall be irrevocable and remain open for a minimum of sixty (60) days after the Closing Time, whether or not another Quotation has been accepted.
- 8.3 The City may waive any non-compliance with the RFQ, the Requirements, the Specifications, or any conditions, including the timing of delivery of anything required by this RFQ and may elect to retain for consideration Quotations which are non-conforming, which do not contain the content or form required by the RFQ or which have not complied with the process for submission set out herein.

## **9.0 Award of Contract**

- 9.1 Award of a Contract is contingent on funds being approved and the contract award being made by the appropriate City authority.
- 9.2 The purchase order, the Quotation, the RFQ and such other documents including all amendments or addenda, shall form the basis for the Contract between the Contractor and the City. In the event of a conflict between any of the Contract Documents, the following documents will take precedence and govern over each other in the following order of priority from highest to lowest:
- a) The City's purchase order including the standard purchase order terms and conditions;
  - b) Or any mutually agreed to amendments between the Respondent and the City;
  - c) The Quotation; and
  - d) The RFQ and any subsequent addenda.
- 9.3 Where the head office of the successful Respondent is located within the City of Richmond and/or where the successful Respondent is required to perform the Service at a site located within the City of Richmond, the successful Respondent

is required to have a valid City of Richmond business license prior to Contract execution.

- 9.4 The City is not under any obligation to award a Contract and may elect to terminate this RFQ at anytime.

## **10.0 Negotiations**

10.1 The award of the contract is subject to negotiations with the Lead Proponent. Such negotiations include, but are not limited to, the following:

- a) changes or work refinements in the service requirements or scope of work proposed by the Lead Proponent;
- b) price – if directly related to a change or refinement in the proposed scope of work proposed by the Lead Proponent and
- c) specific contract details as deemed reasonable for negotiation by the City of Richmond.
- d) If a written contract cannot be negotiated within 60 days of notification to the Lead Proponent, the City may, at its discretion at any time thereafter, terminate negotiations with the Lead Proponent and either enter into negotiations with the next qualified Proponent or cancel the RFP process and not enter into a contract with any Proponent

## **11.0 Publication of the Results of the Request for Quotation**

11.1 The City will publish the name of the successful Respondent on the websites listed in section 4.1. No other notices will be issued by the City. Respondents shall visit these websites to obtain the results of this Request for Quotation.

## **12.0 Quantities**

12.1 The quantities stated herein are the City's best estimates of its requirements and should not be relied on. Actual quantities may vary.

## **13.0 Brand Names – Intentionally Omitted**

## **14.0 Alternates and/or Variations to Specifications**

14.1 Except where stated otherwise herein, the Specifications describe what is considered necessary to meet the performance requirements of the City and Respondents should respond in accordance with such Specifications, or if the Respondent cannot meet the Specifications, the Respondent may offer an alternative which it believes to be the equivalent.

14.2 If in addition to bidding on goods, materials, equipment and/or services that meet the Specifications, the Respondent wishes to offer an alternative, the alternative Quotation shall be submitted separately in the same format as the initial Quotation.

14.3 The City is not obligated to accept any alternatives.

14.4 The City will determine what constitutes allowable alternatives and/or variations.

### **15.0 Freedom of Information and Protection of Privacy Act (BC)**

15.1 Respondents should note that the City of Richmond is subject to the Freedom of Information and Protection of Privacy Act (British Columbia), which impose significant obligations on the City's contractors to protect all personal information acquired from the City in the course of providing any service to the City.

### **16.0 Confidentiality**

16.1 Information about the City obtained by Respondents must not be disclosed unless prior written authorization is obtained from the City.

16.2 The Contractor agrees that this obligation of confidentiality will survive the termination of the Contract between the Contractor and the City.

### **17.0 Insurance**

17.1 The contractor will be required to Indemnify and Insure the City as shown in the General Conditions of the Contract.

### **18.0 Bid Bond – Intentionally Omitted**

## PART B – GENERAL CONDITIONS

### 1. Definitions

1.1 Throughout this Request for Quotation the following definitions apply:

- a) “Act of God” means a cataclysmic phenomenon of nature, including earthquake, flood or cyclone. Rain, snow, wind, high water or any other natural phenomenon, which might reasonably have been anticipated from historical records of the general locality of the City, shall be deemed not to be acts of God;
- b) “BC Bid” means the electronic tendering service maintained by the Province of British Columbia located online at [www.bcbid.ca](http://www.bcbid.ca), or any replacement website;
- c) “City’s Designated Representatives” means the City’s employees or representatives who are authorized in writing to deal with the Contractor on behalf of the City in connection with the goods, materials, equipment and services or to make decisions in connection with the Contract;
- d) “City” means the City of Richmond, British Columbia;
- e) “Contract Documents” means the purchase order, the Contractor’s Quotation, the RFQ and such other documents as listed in the purchase order, including all amendments or addenda agreed between the parties;
- f) “Contract” means the agreement resulting from this Request for Proposal and formed between the City and the Contractor as evidenced by the purchase order issued to the Contractor by the City;
- g) “Contractor” means the Successful Proponent to this Request for Proposal who enters into a written Contract with the City to perform and to oversee the Work;
- h) “Delivery Date” means the date the City requires the Contractor to deliver the goods to the City’s Work Site;
- i) “Delivery Site” means No # 1 Fire Hall, 6960 Gilbert Road, Richmond, BC
- j) “F.O.B.” means all costs of freight, insurance, brokerage, customs duties and all other costs of delivery to the site named as F.O.B. will be borne by the Contractor and that ownership and title to all goods, materials, and equipment are transferred to the City when same are delivered by the

Contractor to the City and the risk of loss or damage to the goods, materials and equipment transfers to the City only at such time as same are received and accepted by the City at the site named as “F.O.B.”;

- k) “HST” means the harmonized sales tax administered under the Excise Tax Act (Canada) and any successor tax or levy therefor in force from time-to-time;
- l) “Lead Proponent” is the Proponent whose Quotation, as determined through the evaluation criteria described in this RFQ, provides the best overall value in meeting the requirements of the RFQ, and with whom a Contract will be considered;
- m) “OHS Regulation” means the *Workers Compensation Act* (British Columbia), including without limitation, the Occupational Health & Safety Regulation (BC Regulation 296/97, as amended by BC Regulation 185/99) enacted pursuant to such Act, all as such Act or Regulations are amended or re-enacted from time to time.
- n) “Proponent” means an individual or a company that submits, or intends to submit, a Proposal in response to this Request for Proposal;
- o) “Quotation” means a quotation submitted by a Proponent in response to this Request For Quotation;
- p) “Requirements” means all of the Specifications, requirements and services set out in this RFQ that describes the general requirements that the goods, materials, equipment and services must meet and the Contractor must provide;
- q) “RFQ” or “Request for Quotations” means this request for proposals, inclusive of all appendices and any addenda that may be issued by the City;
- r) “RFR” means Richmond Fire-Rescue;
- s) “Submission” means a proposal submitted by a Proponent in response to this RFQ;
- t) “Successful Proponent” means the same as “Contractor”;
- u) “Turn Out Gear” means one (1) jacket, one (1) pair of trousers and one (1) suspenders required under this RFQ and Contract,

- v) “Unit” means one (1) jacket, one (1) pair of trousers and one (1) suspenders required under this RFQ and Contract, and
- w) “Work” means all the labour, materials, equipment, supplies, services and other items necessary for the execution, completion and fulfilment of the Requirements and any action as necessary for the Successful Proponent to complete and perform its obligations in accordance with the terms and conditions of the Contract.

## **2. Sub-contractors**

- 2.1 All sub-contractors are the responsibility of the Contractor.
- 2.2 The Contractor shall be held as fully responsible to the City for the acts and omissions of its sub-contractors and of persons directly or indirectly employed by the Contractor, as for the acts and omissions of persons directly employed by it.
- 2.3 The Contractor agrees to ensure performance by every sub-contractor with the terms and requirements of the Contract Documents.
- 2.4 No sub-contractors will be permitted except those expressly named by the Contractor in writing to the City pursuant to Section 4.1 of these General Conditions.
- 2.5 The Contractor will list below all subcontractors it intends to use in its performance of the Work, and what parts of the Work each subcontractor will be undertaking (the “Subcontractors”).
- 2.6 The Contractor, if awarded the Contract, will engage the listed Subcontractors only, and no others in their stead, without prior written authorization of the City.
- 2.7 The Contractor, if awarded the Contract, will ensure that every Subcontractor is bounded by a legal agreement with the same terms and conditions of the Contract.

## **3. Independent Contractor**

- 3.1 The Contractor, its sub-contractors, the officers, directors, shareholders, partners, personnel, affiliates and agents of the Contractor and its sub-contractors are not, nor are they to be deemed to be, partners, appointees, employees or agents of the City.

## **4. Assignment**

- 4.1 Subject to Sections 2.4 and 4.2, the Contractor will not assign, sublet, subcontract, or let out as task work any part of the Work or any of the Contractor’s obligations of the Contract Documents to any third party, and will not assign or otherwise

transfer any of the rights of payment under the Contract Documents to any third party, without in each case the prior written consent of the City which consent the City may arbitrarily withhold.

- 4.2 Despite Section 4.1, the Contractor may utilize those sub-contractors expressly named in the “List of Subcontractors” of Part D– Quotation Form but only for the Area of Responsibility set out beside their name, provided always that the Contractor may not substitute or replace those sub-contractors, or permit those sub-contractors to further assign, sub-let, sub-contract, or let out as task work their obligations under the Contract documents, except in accordance with Section 4.1 above.
- 4.3 If the City should consent to any such assignment, subletting or letting out as task work of all or any part of the Work, the Contractor shall in no way be relieved from its responsibility for the fulfilment of the Work, but shall continue to be responsible for the same in the same manner as if all the Work had been performed by the Contractor.

## **5. Time of the Essence**

- 5.1 For all requests made by the City pursuant to the Contract, time is of the essence. The acceptance of a late performance, with or without objections or reservations by the City, shall not waive the right to claim damages for such breach nor constitute a waiver of the requirement of timely performance of any obligation remaining to be performed.

## **6. Laws, Permits and Regulations**

- 6.1 The laws of British Columbia shall govern the Contract.
- 6.2 In carrying out its obligations hereunder, the Contractor shall familiarize itself and comply with all applicable laws, bylaws, regulations, ordinances, codes, specifications and requirements of all regulatory authorities, and shall obtain all necessary licenses, permits and registrations as may be required by law.

## **7. Delivery and Packaging of Supplies**

- 7.1 All items under this contract are to be delivered to No 1 Fire Hall at 6960 Gilbert Road, Richmond, BC between the hours of 8:00am and 4:00 pm Monday through Friday. The Fire-Rescue Department requires that turn out gear must be bagged and sealed individually in clear plastic.

## **8. Inspection**

- 8.1 The services are subject to inspection and in case any of the services are not in conformity with the Requirements of the Contract or the Contractors’ warranty

(expressed or implied), the City shall have the right either to reject them or to require correction.

8.2 The City shall be the final judge of the services and materials in respect of both quality and quantity and its decisions of all questions in dispute with regard thereto will be final.

8.3 The City will not be deemed to have accepted the services by virtue of a partial or full payment for it.

## **9. Responsibility For Supplies**

9.1 The Contractor shall be responsible for the supplies covered by this contract until they are delivered at the designated delivery point, regardless of the point of inspection; and the Contractor shall bear all risks of loss or damage to rejected supplies after notice of rejection.

## **10. Quality of Workmanship and Materials**

10.1 The Contractor shall perform the services with the degree of care, skill and diligence normally applied in the performance of services of a similar nature and in accordance with sound current professional practices and conforming to the requirements set out in the RFQ.

10.2 Materials, goods and equipment shall be the products of suppliers or manufacturers of established reputation engaged in the supply or manufacture of such materials of equipment.

10.3 Materials are to be applied in accordance with the manufacturer's directions and shall use the techniques and applications best suited for the type of material being used.

## **11. Trial Period**

11.1 As part of the City's evaluation process, proponents are required to provide three (3) Turn Out Gears to the delivery site for Fire Fighter testing purposes. Richmond Fire-Rescue will perform a wear test on the samples which will form part of the total evaluation. The Turn Out Gear Unit will be used for a proposed thirty (30) day trial period. The City will return the Turn Out Gear upon request. The City reserves the right to test the Turn Out Gear as they see fit. The City is not responsible if during the testing period, the Turn Out Gear Unit becomes unusable. This shall be done on a no-charge basis to the City with no obligation whatsoever. A detailed on-site product overview of their Turn Out Gear may also be required.



## **12. Warranty**

- 12.1 The Contractor warrants that the goods, materials, equipment and/or services supplied by the Contractor to the City will be in full conformity with the Specifications as well as samples, if any, then this is a sale by sample as well as by description within the meaning of the Sale of Goods Act (BC).
- 12.2 The Contractor further warrants that the goods, materials and/or equipment are of merchantable quality, and fit for the intended use and will perform according to the requirements set out in the RFQ.
- 12.3 Equipment and materials shall be new, free and clear of all liens, charges and encumbrances, the latest model, and shall be complete with all necessary accessories for operation. All equipment and materials shall be at the risk of the Contractor until delivered to and accepted by the City.
- 12.4 At a minimum, a one (1) year parts and labour warranty shall be provided on all goods, materials, equipment and/or services provided under the Contract.
- 12.5 The Contractor warrants that its employees have the qualifications, experience, knowledge, skills and abilities necessary for the fulfilment of the Contract.

## **13. Indemnification and Insurance**

- 13.1 The Contractor shall indemnify, hold and save harmless the City from and against all claims, losses, damages, costs, actions and other proceedings made, sustained, brought or prosecuted in a manner based upon, occasioned by or attributable to any injury, including death, property damage, infringement or damage arising from any act or omission of the Contractor, its employees, officers, volunteers, servants, sub-contractors, or agents or persons from whom the Contractor has assumed responsibility in the performance or purported performance of the Requirements.
- 13.2 The Contractor shall indemnify the City from and against any and all liability or expenses by way of legal costs or otherwise in respect of any claim which may be made for a lien or charge at law or in equity or to any claim or liability under the Builders Lien Act, or to any attachment for debt, garnishee process or otherwise.
- 13.3 The Contractor shall assume the defence of, and indemnify and hold harmless the City and its officers, employees and agents, from and against all claims relating to materials, goods or equipment furnished and to inventions, copyrights, trade marks, or patents and rights thereto used by the Contractor in the execution of the Contract and in subsequent use and/or operation by the City.

- 13.4 The Contractor will indemnify, hold, and save harmless the City from and against all claims, losses, damages, costs, actions, and other proceedings, made, sustained, brought or prosecuted in manner, based upon, occasioned by, attributable to any injury, including death, property damage, infringement, or damage arising from any act or omission of the Contractor, his employees, officers, volunteers, servants, or agents or persons from whom the Contractor has assumed responsibility in the performance or purported performance of this agreement
- 13.5 The Contractor shall, at his own expense, through the terms of the contract secure, maintain, and pay for the following coverages:
- a) Comprehensive General Liability Insurance with a limit of not less than \$5,000,000 inclusive per occurrence for bodily injury and property damage and \$5,000,000 for personal injury. The policy or policies shall cover all premises and operations necessary or incidental to the performance of this agreement and include but not necessarily be limited to the following coverages:
    - 1. Contractual liability assumed under this agreement.
    - 2. Contingent employer's liability with respect to operations of sub-contractors.
    - 3. Owner's protective liability.
    - 4. Cross liability.
    - 5. Automobile liability (non-owned, hired).
    - 6. Completed operations liability 24 months after completed operations.
    - 7. Voluntary medical payments.
- 13.6 The policy or policies shall be underwritten by an insurance company or companies licensed to do business in the Province of British Columbia and who meet with the reasonable approval of the City. Prior to the commencement of the work defined by this agreement, the Contractor shall furnish the City through the Office of the Manager Purchasing and Risk a certified original copy of all such policies as evidence that such insurance is in force. The Contractor agrees that such insurance policies cannot be cancelled, lapsed, or materially changed without at least thirty (30) days' written notice to the City.
- 13.7 Maintenance of such insurance and the performance of the Contractor of his obligations under this clause shall not relieve the Contractor of liability under the indemnification provisions here and above set forth. The foregoing insurance

provisions shall not limit the insurance required by Municipal, Provincial, or Federal law

- 13.8 It shall be the full responsibility of the Contractor to determine whether any additional insurance coverage is necessary and advisable for its own protection and/or to fulfil its obligations under this Contract. Any such additional insurance shall be provided and maintained by the Contractor its own expense.
- 13.9 It is understood that this agreement is strictly between the Contractor and the City and the Contractor is an independent contractor for the City and no employment relationship, partnership, agency, or joint venture exists between the City, the employees of the Contractor and/or its agents and/or their employees, and/or its Contractors and/or their employees. Any disputes between the Contractor and any of its employees and/or its agents and/or their employees and/or their Contractors and/or their employees shall be resolved by the Contractor with no involvement by the City.

#### **14. Termination**

- 14.1 The City will advise the Contractor by written notice of its intent to terminate the whole or any part of the Contract in any one of the following circumstances:
- a) if the Contractor fails to make delivery of the goods, materials, equipment and/or services within the time specified, or fails to perform any other provisions, terms or conditions of the Contract within the time specified, or within a reasonable time if no time is specified;
  - b) in the event that the Contractor performs any act or does anything by which the City shall incur any liability whatsoever;
  - c) any failure of the Contractor to meet the safety requirements of the Contract;
  - d) in the event that any creditor of the Contractor causes a writ of execution or similar writ or court order to be served upon the City requiring the City to pay any portion due to the Contractor under the Contracts; or
  - e) in the event that the Contractor is adjudged bankrupt or if it makes a general assignment for the benefit of creditors or if it becomes insolvent or if it should take the benefit of any Act that may be in force for bankrupt or insolvent debtors.
- 14.2 Upon termination of the Contract, the City shall have no obligation to the Contractor except for such services and/or goods as have been supplied up to the date of the termination of the Contract(s).

14.3 Upon termination of the Contract(s) in whole or in part, the City may procure similar goods, materials, equipment and/or services and the Contractor shall be liable to the City for any excess costs for such similar goods, materials, equipment and/or services. The Contractor shall not be liable for any excess costs if failure to perform arises by reason of strikes, lockouts, Acts of God or acts of the City. The City will not be liable where Delivery Sites are not available due to strikes, lockouts or Acts of God.

**15. Payments**

15.1 The Contractor shall be paid net thirty (30) days from receipt of invoice and acceptance of the goods, materials, equipment and/or services, whichever is the later.

**16. Taxes**

16.1 Unless otherwise provided herein, the Contractor shall pay all sales or excise taxes in force during the term of the Contract, provided that any increase or decrease in such taxes shall increase or decrease the amount due under the Contract(s).

16.2 Invoices shall show the appropriate amounts for HST.

**17. Non-resident Withholding Tax – Intentionally Omitted**

**18. Performance Bond – Intentionally Omitted**

**19. Protection of Person and Property**

19.1 The Contractor shall use due care that no persons are injured, no property damaged or lost, and no rights are infringed in the performance of the services, and the Contractor shall be solely responsible for all loss, damages, costs and expenses in respect of any injury to persons, damage of property, or infringement of the rights of others incurred in the performance of the services or caused in any other manner whatsoever by the Contractor, or its employees.

19.2 The Contractor shall effectively warn and protect the public and other personnel from any danger as a result of the services being done.

**20. Clean Up**

20.1 The Contractor shall at all times perform the services in an orderly and reasonably tidy manner, and shall at suitable intervals remove any accumulation of rubbish or refuse materials. At no time shall any person employed by the Contractor or by any of its sub-contractors discard any litter or garbage on or adjacent to the delivery site, except into a suitable container.

## **21. Character of Workers**

- 21.1 On the written request of the City, the Contractor will remove any employee, Sub-Contractor or agent for any reason including but not limited to the following:
- a) Lack of or failure to obtain any required Security Clearance;
  - b) Intoxication;
  - c) Use of foul, profane, vulgar or obscene language or gestures;
  - d) Solicitation of gratuities or tips from any person for services performed under this Agreement;
  - e) Wilful, negligent or reckless action in disregard of safety or sanitary requirements or regulations; or
  - f) Any action which may constitute a public nuisance or disorderly conduct.
- 21.2 The Contractor will immediately comply with each such request and will then provide the City with all requested documentation verifying that the employee, Sub-Contractor or agent has been removed from further involvement with this Agreement.

## **22. Conduct of the Contract**

- 22.1 The City of Richmond's Manager, Purchasing shall have the conduct of the RFQ and the Contract.

## **23. Rectification of Damage and Defects**

- 23.1 The Contractor shall rectify any loss or damage for which, in the opinion of the City the Contractor is responsible, at no charge to the City and to the satisfaction of the City. Alternatively, the City may repair the loss or damage and the Contractor shall pay to the City the costs of repairing the loss or damage forthwith upon demand from the City. Where, in the opinion of the City, it is not practical or desirable to repair the loss or damage, the City may estimate the cost of the loss or damage and deduct such estimated amount from the amount owing to the Contractor hereunder.

## **24. Failure to Perform**

- 24.1 Should the Contractor neglect to execute the Requirement properly or fail to perform any provision of the Contract, the City may, without prejudice to any other right or remedy it may have, make good such deficiencies and may deduct the cost thereof from the payment due to the Contractor.

- 24.2 If the Contractor fails to perform any provision of the Contract due to reasons of strike, lockout or other work stoppages, the City may upon ten (10) days written notice to the Contractor terminate the Contract without prejudice to any other right or remedy the City may have.

## **25. Dispute Resolution**

- 25.1 All claims, disputes or issues in dispute between the City and the Contractor shall be decided by mediation or arbitration, if the parties agree, or failing agreement, in a Court of competent jurisdiction with the Province of British Columbia and be governed by the laws of British Columbia.
- 25.2 In the event that the parties agree to arbitration pursuant to the above, the arbitration shall be governed by the rules of the British Columbia International Commercial Arbitration Centre, except that the arbitrator or arbitrators shall be agreed upon by the parties, and failing agreement by the parties, shall be appointed by a court of competent jurisdiction with the Province of British Columbia.
- 25.3 In the event that the parties agree to arbitration, the arbitration shall take place in the Lower Mainland, British Columbia and be governed by the laws of British Columbia.
- 25.4 The procedure set out in this section is not meant to preclude or discourage informal resolution of disagreements between the City and the Contractor.

## **26. Changes in Requirements**

- 26.1 The City, without invalidating the Contract, may make changes to the Contract by altering, adding or deducting from the Requirements. Subject to mutual agreement, the Contractor shall proceed with the amended Requirements and the amended Requirements shall be executed under the provisions of the Contract.
- 26.2 The Contractor must not make any changes to from the terms of the Contract unless it shall first have received the written consent of the City and no claims for additional compensation shall be valid unless the change is so ordered.

**PART C – QUOTATION FORM**

**Quotation Form**

Purchasing Section  
City of Richmond  
6911 No. 3 Road  
Richmond, BC V6Y 2C1

The undersigned Respondent, having carefully read and examined the Instructions to Respondents, General Conditions, Quotation Form, and Requirements and having full knowledge of the work required, does hereby offer to provide all necessary materials in strict accordance with the Requirements and to do all therein called for on the terms and conditions and under the provisions therein set forth at the:

**LUMP SUM TOTAL QUOTED PRICE OF \$ \_\_\_\_\_**

**Due to limited storage, goods will be ordered on an as required basis through out the year. Orders may consist of one (1) pair of trousers and one (1) jacket.**

**PAYMENT TERMS \_\_\_\_\_ EARLY PAYMENT TERMS \_\_\_\_\_**

The above price includes and covers duties, handling and transportation charges, and all other charges incidental to and forming part of this Quotation except for H.S.T.

Name of Respondent: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Telephone No: \_\_\_\_\_

Name, Signature, and  
Title of Signing Officer: \_\_\_\_\_  
\_\_\_\_\_

Date: \_\_\_\_\_

E-mail: \_\_\_\_\_

Web Address: \_\_\_\_\_

**Schedule of Quantities and Prices**

The City shall pay in Lawful money of Canada the amount shown for the following items subject to the conditions of the Contract Documents. These quantities are estimated annual quantities only. **Due to limited storage, goods will be ordered on an as required basis. Orders may consist of one (1) trouser, one (1) jacket and one (1) suspenders.** The estimated yearly quantity per set is thirty-five to forty (35 – 40). Each set is custom fitted to each fire fighter. This contract is for a three (3) year term. The City will provide working space for the taking of measurements of all fire fighters.

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Turn Out Gear	35	\$ _____ per unit	\$ _____

HST \$ \_\_\_\_\_

**TOTAL QUOTED AMOUNT** \$ \_\_\_\_\_  
 (carried forward to Quotation Form)

**\* The quantities provided are an estimate for one (1) year term only and they do not guarantee actual quantities that will be ordered on this contract.**

Price Fluctuations for Subsequent Terms of the Contract

Term	% increase or decrease (please specify)
2014 – 2015	
2015 - 2016	

\_\_\_\_\_  
 Initials of Signing Officer



LIST OF SUBCONTRACTORS

The Respondent agrees that the subcontractors shown herein is the list of subcontractors that he proposes to use to carry out those part of the work shown on the list and, subject to their approval by the City, the Respondent agrees to employ the listed subcontractors and no others.

Nothing contained in the contract documents shall create any contractual relation between any subcontractor and the City.

The Respondent agrees that if he is awarded the contract, he will bind every subcontractor by the terms of the contract documents, as far as applicable to his work.

Description of Parts of Work to be Sublet to Subcontractors	Name, Address and Telephone Number of Subcontractor(s) to be Used to Carry Out the Various Parts of the Work Described

**References**

<b>PROPONENT PROFILE</b>	<b>Please PRINT Response</b>		
1. Client References – Provide three (3) clients similar in size and specifications to the City.	<b>Client Reference One</b>	<b>Client Reference Two</b>	<b>Client Reference Three</b>
	Company Name	Company Name	Company Name
	Contact Person and Title	Contact Person and Title	Contact Person and Title
	Phone and Email Address	Phone and Email Address	Phone and Email Address
	Product Purchased (Trouser & Jacket)	Product Purchased (Trouser & Jacket)	Product Purchased (Trouser & Jacket)

**Recommendation**

<b>PRODUCT</b>	<b>Please PRINT Response</b>
1. Brand Name and Product numbers of Turn Out Gear being recommended to the City of Richmond	
2. State THREE (3) characteristics for each (Trouser and Jacket) that you believe makes your proposal <i>unique</i> and would be <i>advantageous to the City of Richmond</i>	

**PART D - REQUIREMENTS**

It is the intent of these specifications to describe the minimum requirements for construction and performance of protective clothing to afford protection to the upper and lower body, excluding head, hands and feet, against adverse environmental effects during structural fire fighting. All materials and construction will meet or exceed NFPA Standard #1971 (2007 revision) and CAN/CGSB 155.1-M88 (latest ed.).

Respondent must explain in detail and with full supporting data how the proposed deviation meets or exceed the specifications.

Item	Provided (check the box that applies)		Comments (list extra and/or equivalent features not listed in the Item column along with Brand and product names)
	YES	NO	
<b>OUTER SHELL MATERIAL – TROUSERS</b>  1. The outer shell shall be constructed with an approximate weight of 7.5 oz. per square yard in a rip stop weave <u>or another product with equivalent or greater performance qualities.</u>			
<b>OUTER SHELL MATERIAL – TROUSERS</b>  2. The shell material shall be treated with SST® (SUPER SHELLTITE) or equivalent which is a durable water-repellent finish that also enhances abrasion resistance.			

Item	Provided (check the box that applies)		Comments (list extra and/or equivalent features not listed in the Item column along with Brand and product names)
	YES	NO	
<p><b>OUTER SHELL MATERIAL – TROUSERS</b></p> <p>3. The outer shell material shall be covered by a (5) five-year warranty.</p>			
<p><b>MOISTURE BARRIER – TROUSERS</b></p> <p>4. The moisture barrier material shall be:</p> <p>5. (5.0) five oz. per square yard two-layer laminate comprised of a bicomponent membrane and (3.2) three point two oz. per square yard woven pajama check substrate.</p> <p>6. The bicomponent membrane shall be comprised of an expanded PTFE (polytetrafluoroethylene, for example Teflon) matrix having a continuous hydrophilic (i.e. water loving) and oleophobic (i.e. oil hating) coating that is impregnated into the matrix.</p> <p>7. The moisture barrier material shall meet all moisture barrier requirements of NFPA 1971-2007 edition, which includes water penetration resistance, viral penetration resistance, and common chemical penetration resistance.</p> <p>8. Neoprene coated cotton/polyester elbow and knee patches shall be sewn to the elbow area of the coat thermal liner and knee area of the trouser thermal liner when bi-component, breathable moisture barriers are utilized for added protection at contact points.</p>			

Item	Provided (check the box that applies)		Comments (list extra and/or equivalent features not listed in the Item column along with Brand and product names)
	YES	NO	
9. The moisture barrier shall be sewn to the thermal liner at the edges only and bound along the edges with neoprene coated cotton/polyester and secured with double stitching.  10. <b><u>(or another product with equivalent specifications as outlined in # four (4) through nine (9) or greater performance qualities)</u></b>			
<b>SEALED MOISTURE BARRIER SEAMS</b>  11. All moisture barrier seams shall be sealed with a minimum (1) one inch wide sealing tape.  12. One side of the tape shall be coated with a heat activated glue adhesive or equivalent.  13. 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 or equivalent process.			
<b>THERMAL INSLULATING LINER – TROUSERS</b>  14. The thermal liner shall be constructed of two layers of one point five (1.5) oz. per square yard E-89 spunlaced Nomex/Kevlar aramid blend, quilt stitched to a two point two (2.2) oz. per square yard, one hundred (100) denier, One hundred percent (100%) filament Nomex face cloth <b><u>or another product with equivalent or greater performance qualities.</u></b>			

Item	Provided (check the box that applies)		Comments (list extra and/or equivalent features not listed in the Item column along with Brand and product names)
	YES	NO	
<p>15. The thermal liner shall be sewn to the moisture barrier (as described under the moisture barrier section).</p> <p>16. NOTE: This thermal liner shall be used exclusively with a spunlaced based moisture barrier and a seven point five (7.5) oz. per square yard "Z 200 Nomex Omega" outer shell or equivalent.</p>			
<p><b>METHOD OF THERMAL LINER/MOISTURE BARRIER ATTACHMENT – TROUSERS</b></p> <p>17. The thermal liner and moisture barrier shall be completely removable from the trouser shell.</p> <p>18. Approximately nine (9) snap fasteners shall be spaced along the waistband to secure the thermal liner/moisture barrier to the shell.</p> <p>19. The legs of the thermal liner/moisture barrier shall be secured to the shell by means of approximately two (2) snap fasteners per leg.</p>			

Item	Provided (check the box that applies)		Comments (list extra and/or equivalent features not listed in the Item column along with Brand and product names)
	YES	NO	
<p><b>THERMAL PROTECTIVE PERFORMANCE</b></p> <p>20. The assembled garment, consisting of an outer shell, moisture barrier, and thermal liner, shall exhibit a TPP (Thermal Protective Performance) rating of not less than forty (40).</p>			
<p><b>STITCHING</b></p> <p>21. The outer shell shall be assembled using stitch type #301, #401, #514, and #516.</p> <p>22. The thermal liners and moisture barriers shall be assembled using stitch type #301, #401, #504, #514, and #516.</p> <p>23. Stitching in all seams shall be continuous.</p> <p>24. There shall be no joined stitching in midseam.</p> <p>25. All “major A” outer shell structural seams, “major B” structural liner seams, and minor seams including but not limited to pockets, flaps, and material reinforcements, shall have a minimum of eight to ten (8 to 10) stitches per inch.</p>			



Item	Provided (check the box that applies)		Comments (list extra and/or equivalent features not listed in the Item column along with Brand and product names)
	YES	NO	
<p><b>TROUSERS CONSTRUCTION - BODY</b></p> <p>26. The body of the shell shall be constructed of four (4) separate body panels consisting of two (2) front panels and two (2) back panels.</p> <p>27. The body panels shall be shaped so as to provide a tailored fit, thereby enhancing body movement, and shall be joined together by double stitching with Nomex thread.</p> <p>28. The rise at the front of the trouser shall be approximately sixteen (16) inches from the top of the waistband to the bottom of the crotch seams and graded to size.</p>			
<p><b>BACK BIB</b></p> <p>29. A back bib panel shall extend not less than six (6) inches above the waist area of the high back trousers.</p> <p>30. The back bib panel shall be double stitched with Nomex thread to the rear body panel at the waist area.</p> <p>31. The rear bib panel shall measure approximately eleven (11) inches across the top and approximately twenty-three (23) inches across the bottom (graded for size) where it will be double stitched to the body panels.</p>			

Item	Provided (check the box that applies)		Comments (list extra and/or equivalent features not listed in the Item column along with Brand and product names)
	YES	NO	
<p>32. The sides of the rear bib panel shall slope forward on an angle.</p> <p>33. The rear bib panel shall be of three (3) layer construction consisting of a layer of outer shell material, a middle layer of breathable moisture barrier material, and a layer of Aralite thermal liner material closest to the wearer or equivalent.</p> <p>34. The bib materials shall be stitched only at the outer perimeter to prevent leakage in the moisture barrier. This configuration will provide padding to the lumbar area of the wearer as an added measure of comfort from breathing apparatus harness straps and backpack.</p>			
<p><b>SUSPENDERS AND SUSPENDER BUTTONS</b></p> <p>35. Two (2) rust resistant suspender buttons shall be installed on the uppermost portion of the back bib panel (one at each upper corner) and four suspender buttons shall be installed in the front of the trousers on the waistband.</p> <p>36. The suspender buttons shall be reinforced with leather on the inside.</p> <p>37. A pair of Super Duty "H" style "Rip-Cord" suspenders shall be specially configured for use with the high back trousers.</p>			

Item	Provided (check the box that applies)		Comments (list extra and/or equivalent features not listed in the Item column along with Brand and product names)
	YES	NO	
<p>38. The main body of the suspenders shall be constructed of two (2) inch wide non-elasticized cotton webbing, and shall be equipped with non-slip metal slide on the front ends. Through the metal slide will be approximately twelve (12) inch length of cotton webbing "Rip-Cord" terminating with a thermoplastic loop. Pulling on the "Rip-Cord" shall allow for quick adjustment of the suspenders.</p> <p>39. The non-elasticized sections of the suspenders shall run over each shoulder to a point approximately shoulder blade high on the back, and just above the waistline on the front.</p> <p>40. On the back, two (2) inch wide elasticized webbing shall be stitched to the non-elasticized webbing, and shall extend to the top of the back bib panel.</p> <p>41. The left and right halves of the suspenders shall be joined by a two (2) inch wide horizontal piece of elasticized webbing measuring approximately ten (10) inches long, and shall prevent the suspenders from slipping off the shoulders.</p> <p>42. On the front, two (2) inch wide elasticized webbing measuring approximately nine (9) inches long, shall be threaded through and folded over a thermoplastic loop attached to the non-elasticized portion on each side, providing four (4) way suspension on the front. This will provide flexibility for movement, since the webbing slides through the loop and is elasticized. Black leather, measuring two (2) inches in length shall be sewn to the ends of the suspenders and shall have slotted openings to accommodate the suspender buttons.</p>			

Item	Provided (check the box that applies)		Comments (list extra and/or equivalent features not listed in the Item column along with Brand and product names)
	YES	NO	
43. <u>In the case where a manufacturer has a proprietary suspender system that differs from the above specification the suspender system shall be fully NFPA compliant and serve the purposes of the specification outlined above.</u>			
<b>WAISTBAND</b>  44. The waist area of the trousers shall be reinforced on the inside with a separate piece of Natural Nomex outer shell material not less than two (2) inches in width.  45. Neoprene coated cotton/polyester shall be sewn to the back of the waistband as a reinforcement.  46. The top edge of the waistband reinforcement shall be double stitched to the outer shell at the top of the trousers.  47. The lower edge of the waistband shall be serged and unattached to the shell to accept the thermal liner and moisture barrier.  48. The top of the thermal liner and moisture barrier shall be secured to the underside of the waistband reinforcement so as to be sandwiched between the waistband reinforcement and outer shell to reduce the possibility of liner detachment while donning and to avoid pass through of snags from the outer shell to the inner liner. An inward facing snag hook shall be			

Item	Provided (check the box that applies)		Comments (list extra and/or equivalent features not listed in the Item column along with Brand and product names)
	YES	NO	
<p>riveted to the right front body panel in the waist area.</p> <p>49. A leather backed Dee ring shall be riveted to the leading edge of the fly flap near the top.</p> <p>50. The snap hook shall engage the Dee ring located on the fly flap when in the closed position.</p> <p>51. <b><u>In the case where a manufacturer has a proprietary system that differs from the above specification the system shall be fully NFPA compliant and serve the purposes of the specification outlined above.</u></b></p>			
<p><b>EXTERNAL FLY FLAP</b></p> <p>52. The fly flap shall be constructed of two pieces of outer shell material.</p> <p>53. A center ply of neoprene coated cotton/polyester shall be sandwiched between the two outer shell pieces.</p> <p>54. The fly flap shall be double stitched to the left front body panel beginning at the waist and extending down to a depth of approximately eleven (11) inches. The fly flap shall be approximately six (6) inches wide at the top, tapering to approximately 1 inch in width at the crotch where it will be further reinforced with a bartack.</p>			

Item	Provided (check the box that applies)		Comments (list extra and/or equivalent features not listed in the Item column along with Brand and product names)
	YES	NO	
<p>55. A leather backed Dee ring shall be riveted to the leading edge of the fly flap at the top and shall be positioned to engage the safety hook when the fly flap is in the closed position.</p> <p>56. An internal fly flap constructed of one ply of outer shell material, measuring approximately two (2) inches wide by eleven (11) inches long, shall be sewn to the leading edge of the right front body panel in the fly area.</p> <p>57. Neoprene coated Aramid batt shall be sewn to the inside of the right front body panel and internal fly flap in a roughly triangular shape.</p> <p>58. The neoprene coated Aramid batt shall be sewn to the inside of the waistband for approximately seven (7) inches horizontally beginning at the leading edge of the internal fly flap. It shall be further sewn vertically to the leading edge of the internal fly flap and at the juncture of the right front body panel and internal fly flap for approximately eleven (11) inches</p> <p>59. The action of the external fly flap overlapping the internal fly flap lined with neoprene coated Aramid batt will ensure there is no interruption in thermal or moisture protection.</p> <p>60. <b><u>In the case where a manufacturer has a proprietary system that differs from the above specification the system shall be fully NFPA compliant and serve the purposes of the specification outlined above</u></b></p>			

Item	Provided (check the box that applies)		Comments (list extra and/or equivalent features not listed in the Item column along with Brand and product names)
	YES	NO	
<p><b>TROUSER CLOSURE SYSTEM</b></p> <p>61. The exterior primary positive locking closure shall be an inward facing safety hook and Dee ring.</p> <p>62. The safety hook shall be riveted to the right front body panel in the waist area and shall engage the Dee ring located on the leading edge of the external fly flap. (See paragraph on waistband construction).</p> <p>63. The internal fly flap closure shall consist of a heavy-duty zipper measuring approximately ten (10) inches long. One half of the zipper shall be sewn to the inside of the leading edge of the external fly flap.</p> <p>64. The corresponding zipper half shall be sewn diagonally along the right front body panel and shall be positioned to engage the zipper half on the fly flap.</p> <p>65. The top of each zipper half shall be further reinforced with a bartack.</p> <p>66. Appropriate male and female snap fastener halves shall be installed at the leading edge of the waistband for the purpose of further securing the trousers in the closed position.</p> <p>67. <b><u>In the case where a manufacturer has a proprietary system that differs from the above specification the system shall be fully NFPA compliant and serve the purposes of the specification outlined above.</u></b></p>			

Item	Provided (check the box that applies)		Comments (list extra and/or equivalent features not listed in the Item column along with Brand and product names)
	YES	NO	
<p><b>EXPANSION (BELLOWS) POCKETS</b></p> <p>68. An expansion pocket, measuring approximately two (2) inches deep by ten (10) inches wide by (10) ten inches high shall be double stitched to the side of each leg straddling the outseam above the knee and positioned to provide accessibility.</p> <p>69. Two rust resistant metal drain eyelets shall be installed on the underside of each expansion pocket to facilitate drainage of water.</p> <p>70. The pocket flaps shall be rectangular in shape, constructed of two (2) layers of outer shell material and shall measure three (3) inches deeper than the pocket expansion and one half (1/2) inch wider than the pocket.</p> <p>71. The upper pocket corners and pocket flaps shall be reinforced with bartacks.</p> <p>72. The pocket flaps shall be closed by means of flame resistant hook and pile (e.g. Velcro) fastener tape.</p> <p>73. Two (2) pieces of one and one half ( 1 ½) inch by three (3) inch FR hook fastener tape shall be installed vertically on the inside of each pocket flap (one piece on each end).</p> <p>74. Two (2) corresponding pieces of one and one half (1 ½) inch by three (3) inch FR pile fastener tape shall be installed horizontally on the outside of each pocket near the top (one piece on each end) and positioned to engage the hook fastener tape.</p>			



Item	Provided (check the box that applies)		Comments (list extra and/or equivalent features not listed in the Item column along with Brand and product names)
	YES	NO	
<p><b><u>75. In the case where a manufacturer has a proprietary system that differs from the above specification the system shall be fully NFPA compliant and serve the purposes of the specification outlined above</u></b></p> <p>76. Each pocket shall be reinforced with a Kevlar <b><u>or equivalent</u></b> material. The reinforcement material shall be affixed to the lower half of each of the pockets on the inside</p> <p>77. <b><u>In the case where a manufacturer has a proprietary system that differs from the above specification the system shall be fully NFPA compliant and serve the purposes of the specification outlined above.</u></b></p>			
<p><b>TROUSER CUFF REINFORCEMENTS</b></p> <p>78. The cuff area of the trousers shall be reinforced with black "Dragonhide" material.</p> <p>79. The cuff reinforcement shall not be less than two (2) inches in width and folded in half, approximately one half inside and one half outside the end of the legs for greater strength and abrasion resistance.</p> <p>80. The cuff reinforcement shall be double stitched to the outer shell.</p>			

Item	Provided (check the box that applies)		Comments (list extra and/or equivalent features not listed in the Item column along with Brand and product names)
	YES	NO	
<p>81. Two (2) Nomex snap tabs (one each side), measuring approximately one (1) inch long shall be bartacked to the inside of each leg of the outer shell approximately three inches from the bottom of the trouser leg.</p> <p>82. A female snap fastener half shall be installed at the end of each tab and shall align with the male snap fastener halves installed at the bottom of the trouser thermal liner/moisture barrier.</p> <p>83. The tab mounted snap fasteners shall secure the trouser thermal liner/moisture barrier to the outer shell within three inches of the cuff.</p> <p>84. In the case where a manufacturer has a proprietary system that differs from the above specification the system shall be fully NFPA compliant and serve the purposes of the specification outlined above.</p>			
<p><b>REVERSE BOOT CUT</b></p> <p>85. The trouser leg cuffs will be constructed such that the back of the leg is approximately one (1) inch shorter than the front.</p> <p>86. This construction feature will minimize the chance of premature wear of the cuffs and injuries due to falls as a result of "walking" on the trouser cuffs.</p>			

Item	Provided (check the box that applies)		Comments (list extra and/or equivalent features not listed in the Item column along with Brand and product names)
	YES	NO	
<p><b>EXPANSION KNEE</b></p> <p>87. The outer shell of the trouser legs shall be constructed in such a manner that allows for a full range of motion and movement in the knee area</p>			
<p><b>KNEE REINFORCEMENTS and PADDING</b></p> <p>88. The knee area shall be reinforced with black "Dragonhide" material in combination with a foam padding system equal to or greater than the "Silizone" system.</p> <p>89. The knee reinforcement shall be slightly offset to the inside of the leg to insure proper coverage when bending, kneeling and crawling.</p> <p>90. The knee reinforcements shall measure ten (10) 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> <p>91. The lower edge of the "Dragonhide" knee reinforcement shall be turned under so that the lower row of stitching is covered and protected from abrasion.</p>			

Item	Provided (check the box that applies)		Comments (list extra and/or equivalent features not listed in the Item column along with Brand and product names)
	YES	NO	
<p><b>RETROREFLECTIVE FLUORESCENT TRIM</b></p> <p>92. The trousers shall have a stripe of retroreflective fluorescent trim encircling each leg below the knee to comply with the requirements of NFPA #1971 (2007 revision) in three (3) inch red/orange Triple Trim (red/orange borders with silver center).</p>			
<p><b>REINFORCED TRIM STITCHING</b></p> <p>93. The trim stitching shall be reinforced with a strip of three/thirty-two (3/32) inch wide flame resistant cording material.</p> <p>94. The cording shall be sewn to the top surface of the trim at the edges during installation of the retroreflective fluorescent trim on the garment. The cording provides a bed for the stitching and affords extra protection to the stitching from abrasion. This action will help to significantly reduce trim separation from the garment due to stitching failure from abrasion.</p> <p>95. <b><u>Equivalent options of reinforced trim stitching will be considered.</u></b></p>			
<p><b>TROUSER SIZING</b></p> <p>96. The trousers shall be available in even size waist measurements of two-inch increments and shall be available in a range of sizes from twenty-four to fifty-six (24 to 56).</p>			

Item	Provided (check the box that applies)		Comments (list extra and/or equivalent features not listed in the Item column along with Brand and product names)
	YES	NO	
97. The trouser inseam measurement shall be available in two-inch increments.  98. <b><u>Generalized sizing, such as small, medium, large, etc., will not be considered acceptable.</u></b>  99. Sizing specifically for women shall also be available.			
<b>OUTER SHELL MATERIAL – JACKETS</b>  100. The outer shell shall be constructed of "Z 200 Nomex Omega" with an approximate weight of seven point five (7.5) oz. per square yard in a rip stop weave.  101. The shell material shall be treated with SST® (SUPER SHELLTITE) or equivalent which is a durable water-repellent finish that also enhances abrasion resistance.  102. <b><u>In the case where a manufacturer has a proprietary system that differs from the above specification the system shall be fully NFPA compliant and serve the purposes of the specification outlined above.</u></b>			
103. The outer shell shall be supplied by Dominion Textiles (DIFCO). The outer shell shall be covered by a (5) five-year warranty			

Item	Provided (check the box that applies)		Comments (list extra and/or equivalent features not listed in the Item column along with Brand and product names)
	YES	NO	
<b>MOISTURE BARRIER – JACKETS</b>			
104. The (Crosstech Type 2C) moisture barrier material shall be a five (5) oz. per square yard two (2) layer laminate comprised of a bicomponent membrane and a three point two (3.2) oz. per square yard Nomex IIIA woven pajama check substrate.			
105. The bicomponent membrane shall be comprised of an expanded PTFE (polytetrafluoroethylene, for example Teflon) matrix having a continuous hydrophilic (i.e. water loving) and oleophobic (i.e. oil hating) coating that is impregnated into the matrix.			
106. The moisture barrier material shall meet all moisture barrier requirements of NFPA 1971-2007 edition, which includes water penetration resistance, viral penetration resistance, and common chemical penetration resistance.			
107. Neoprene coated cotton/polyester elbow and knee patches shall be sewn to the elbow area of the coat thermal liner and knee area of the trouser thermal liner when bi-component, breathable moisture barriers are utilized for added protection at contact points.			
108. The moisture barrier shall be sewn to the thermal liner at the edges only and bound along the edges with neoprene coated cotton/polyester and secured with double stitching.			
109. <b><u>In the case where a manufacturer has a proprietary system that differs from the above specification the system shall be fully NFPA compliant and serve the purposes of the specification outlined above.</u></b>			

Item	Provided (check the box that applies)		Comments (list extra and/or equivalent features not listed in the Item column along with Brand and product names)
	YES	NO	
<p><b>SEALED MOISTURE BARRIER SEAMS</b></p> <p>110. All moisture barrier seams shall be sealed with a minimum one (1) inch wide sealing tape.</p> <p>111. One side of the tape shall be coated with a heat activated glue adhesive or equivalent.</p> <p>112. The adhesive side of the tape shall be oriented toward the moisture barrier seam.</p> <p>113. 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>			
<p><b>THERMAL INSLULATING LINER – JACKETS</b></p> <p>114. The thermal liner shall be constructed of two layers of one point five (1.5) oz. per square yard E-(89) eighty-nine spunlaced Nomex/Kevlar aramid blend, quilt stitched to a two point two (2.2) oz. per square yard, one hundred (100) denier, one hundred percent (100%) filament Nomex face cloth, and is blue in color.</p> <p>115. The thermal liner shall be sewn to the moisture barrier (as described under the moisture barrier section).</p>			

Item	Provided (check the box that applies)		Comments (list extra and/or equivalent features not listed in the Item column along with Brand and product names)
	YES	NO	
<p>116. NOTE: This thermal liner shall be used exclusively with a spunlaced based moisture barrier and a seven point five (7.5) oz. per square yard "Z 200 Nomex Omega" outer shell. A seven (7) inch by nine (9) inch pocket, constructed of self material and lined with moisture barrier material, shall be affixed to the inside of the coat thermal liner on the left side by means of a lock stitch</p> <p><b><u>117. In the case where a manufacturer has a proprietary system that differs from the above specification the system shall be fully NFPA compliant and serve the purposes of the specification outlined above.</u></b></p>			
<p><b>METHOD OF THERMAL LINER/MOISTURE BARRIER ATTACHMENT – JACKETS</b></p> <p>118. The thermal liner and moisture barrier shall be completely removable from the jacket shell.</p> <p>119. Two strips of five eighth (5/8) inch wide flame resistant hook and pile (e.g. Velcro) fastener tape shall secure the thermal liner/moisture barrier to the outer shell along the length of the neck line under the collar (see Collar section).</p> <p>120. The remainder of the thermal liner/moisture barrier shall be secured with a minimum of five snap fasteners appropriately spaced on each jacket facing for the thirty-two (32) inch length jacket {six (6) snaps for the thirty-five-(35) inch length jacket} and four (4) snap fasteners at each sleeve end.</p>			



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	YES	NO	
<p><b>THERMAL PROTECTIVE PERFORMANCE</b></p> <p>121. The assembled garment, consisting of an outer shell, moisture barrier, and thermal liner, shall exhibit a TPP (Thermal Protective Performance) rating of not less than forty (40).</p>			
<p><b>STITCHING</b></p> <p>122. The outer shell shall be assembled using stitch type #301, #401, #514, and #516.</p> <p>123. The thermal liners and moisture barriers shall be assembled using stitch type #301, #401, #504, #514, and #516.</p> <p>124. Stitching in all seams shall be continuous.</p> <p>125. There shall be no joined stitching in midseam.</p> <p>126. All “major A” outer shell structural seams, “major B” structural liner seams, and minor seams including but not limited to pockets, flaps, and material reinforcements, shall have a minimum of eight to ten (8 to 10) stitches per inch</p>			

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	YES	NO	
<p><b>JACKET CONSTRUCTION BODY</b></p> <p>127. The body of the shell shall be constructed of three separate body panels consisting of two (2) front panels and one (1) back panel.</p> <p>128. The body panels shall be shaped so as to provide a tailored fit thereby enhancing body movement and shall be joined together by double stitching with Nomex thread</p>			
<p><b>RETROREFLECTIVE FLUORESCENT TRIM</b></p> <p>129. Each coat shall have an adequate amount of retroreflective fluorescent trim affixed to the outside of the outer shell to meet the requirements of NFPA #1971 (2007 edition) and OSHA.</p> <p>130. The trim shall be in the following widths and shall be NYC style; three inch wide stripes around the lower portion of the body of the jacket, around the back and chest area approximately three inches below the armpit, around each sleeve below the elbow, around each sleeve above the elbow.</p> <p>131. The retroreflective fluorescent trim shall be red/orange Triple Trim (R/O borders with silver center).</p>			

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	YES	NO	
<p><b>REINFORCED TRIM STITCHING</b></p> <p>132. The trim stitching shall be reinforced with a strip of three/thirty-two (3/32) inch wide flame resistant cording material.</p> <p>133. The cording shall be sewn to the top surface of the trim at the edges during installation of the retroreflective fluorescent trim on the garment.</p> <p>134. The cording provides a bed for the stitching and affords extra protection to the stitching from abrasion. This action will help to significantly reduce trim separation from the garment due to stitching failure from abrasion.</p> <p>135. <u>Equivalent options of reinforced trim stitching will be considered.</u> .</p>			
<p><b>COMBINATION CARGO/HAND WARMER POCKET</b></p> <p>136. Each jacket will be equipped with two combination pockets: one on the left side and one on the right side.</p> <p>137. The pockets shall be located near the storm flap and be double stitched to the respective body panels.</p>			

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	YES	NO	
138. The lower pocket corners shall be stitched in such a way that a small diagonal opening is left for complete water drainage.			
139. The pockets shall measure approximately nine (9) inches wide by nine (9) inches high and be accessed from the top.			
140. Each pocket will be constructed with a two pleats installed vertically for the full height of the pocket to provide expansion capability.			
141. The pocket flaps shall be rectangular in shape, constructed of two layers of outer shell material, and shall measure approximately three (3) inches deep and one half (1/2) inch wider than the pocket.			
142. A piece of approximately one and one half (1 ½) inch by three (3) inch flame resistant hook and pile fastener tape (e.g. Velcro) shall secure each flap in the closed position.			
143. The upper pocket corners and pocket flaps shall be reinforced with bartacks. Additionally, a separate hand warmer pocket compartment will be provided under the expandable cargo pocket. This compartment will be accessed from the rear of the pocket.			
144. Each pocket shall be reinforced with self material. he reinforcement material shall be affixed to the lower half of each of the pockets on the inside.			

Item	Provided (check the box that applies)		Comments (list extra and/or equivalent features not listed in the Item column along with Brand and product names)
	YES	NO	
145. The bottom of the pockets shall be aligned with the hem, and retro reflective fluorescent trim shall be stitched to the pocket such that the hem band of trim is not interrupted.			
<b>JACKET FRONT</b>			
146. The jacket shall incorporate separate facings to ensure there is no interruption in thermal or moisture protection in the front closure area.			
147. The facings shall measure approximately two and one half (2 ½) inches wide, extend from collar to hem, and be double stitched to the underside of the outer shell at the leading edges of the front body panels.			
148. Breathable moisture barrier material shall be sewn to the jacket facings and configured such that it is sandwiched between the jacket facing and the inside of the respective body panel. The breathable film side shall face inward to protect it.			
149. The thermal liner and moisture barrier assembly shall be attached to the jacket facings by means of snap fasteners.			

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	YES	NO	
<p><b>STORM FLAP</b></p> <p>150. A rectangular storm flap measuring approximately three and one quarter (3 ¼) inches wide and twenty-three (23) inches long shall be centered over the left and right body panels to ensure there is no interruption in thermal or moisture protection in the front of the jacket.</p> <p>151. The outside storm flap shall be constructed of two plies of outer shell material with a center ply of breathable moisture barrier material. No Exceptions.</p> <p>152. The outside storm flap shall be double stitched to the right side body panel and shall be reinforced at the top and bottom with bartacks.</p>			
<p><b>STORM FLAP AND FRONT CLOSURE SYSTEM</b></p> <p>153. The jacket shall be closed by means of (zipper and hook &amp; pile tape) a approximately twenty-two (22) inch heavy-duty zipper on the jacket fronts and flame resistant hook and pile (e.g. Velcro) fastener tape on the storm flap.</p> <p>154. The teeth of the zipper shall be mounted on Nomex cloth or equivalent and shall be sewn into the respective jacket facings.</p> <p>155. The zipper stop shall be "pressed", not molded, insuring the highest quality with increased durability.</p>			

Item	Provided (check the box that applies)		Comments (list extra and/or equivalent features not listed in the Item column along with Brand and product names)
	YES	NO	
<p>156. The storm flap shall close over the left and right jacket body panels and shall be secured with flame resistant hook and pile fastener tape.</p> <p>157. A one and one half (1 ½) inch by twenty-three (23) inch piece of FR pile fastener tape shall be installed along the leading edge of the storm flap on the underside with four (4) rows of stitching.</p> <p>158. A corresponding one and one half (1 ½) inch by twenty-three (23) inch piece of FR hook fastener tape shall be sewn with four rows of stitching to the front body panel and positioned to engage the pile fastener tape when the storm flap is closed over the front of the jacket.</p>			
<p><b>MILITARY PLEAT</b></p> <p>159. The jackets shall include inverted pleats to afford enhanced mobility and freedom of movement in addition to that provided by the underarm gussets.</p> <p>160. The outer shell shall have two inverted pleats (one (1) each side) installed at the juncture of the front and back body panels.</p> <p>161. The inverted pleats shall begin at the back of each shoulder reinforcement layer and extend vertically down the sides of the jacket to the hem.</p>			

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	YES	NO	
162. Maximum expansion of the pleats shall occur at the shoulder area and taper toward the hem. The liner (moisture barrier & thermal liner) shall have a single inverted pleat located at the upper middle of the back. It will be designed to expand with the outer shell pleats to their maximum expansion.			
<b>SLEEVES</b>  163. The sleeves shall be of two-panel construction, contoured, and of set in design.  164. The outer and under sleeve panels shall be double stitched together with Nomex thread.  165. The sleeves shall be contoured (curved) to follow the natural shape of the human arm unlike straight, tubular sleeve configurations.  166. An underarm gusset shall be incorporated between the underside of the sleeve and the body of the jacket and shall be used in all layers of the garment (shell, moisture barrier, and thermal liner). No Exceptions.			



Item	Provided (check the box that applies)		Comments (list extra and/or equivalent features not listed in the Item column along with Brand and product names)
	YES	NO	
167. The underarm gusset shall measure approximately five (5) inches wide by seventeen (17) inches long (all layers) and graded to size, beginning at the front of the armpit and terminating approximately three inches from the top of the back of the shoulder, and shall provide for a high degree of uninhibited arm and shoulder movement			
<b>SLEEVE CUFF REINFORCEMENTS</b>  168. The sleeve cuffs shall be reinforced with gold "Arashield" material or equivalent.  169. The cuff reinforcements shall not be less than inches (2) in width and folded in half, approximately one half (1/2) inside and one half (1/2) outside the sleeve end for greater strength and abrasion resistance.  170. The cuff reinforcement shall be double stitched to the sleeve end.			
<b>WRISTLETS</b>  171. There shall be PBI knit wristlets not less than four (4) inches in length and of double thickness.  172. The wristlets shall be sewn to flame resistant neoprene coated cotton/polyester moisture barrier material, which in turn shall be sewn to the inside of the sleeve shell approximately five (5) inches from the sleeve cuff.			

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	YES	NO	
<p>173. This sleeve well configuration serves to prevent water and other hazardous elements from entering the sleeves when the arms are raised.</p> <p>174. The neoprene moisture barrier material shall also line the inside of the sleeve shell from the cuff to a point approximately five (5) inches up, where it joins the sleeve well and is double stitched to the shell.</p> <p>175. Approximately four (4) Nomex snap tabs will be sewn into the juncture of the sleeve well and wristlet.</p> <p>176. The tabs will be spaced equidistant from each other and shall be fitted with female snap fasteners to accommodate corresponding male snaps in the liner sleeves. This configuration will ensure there is no interruption in protection between the sleeve liner and wristlet.</p>			
<p><b>COLLAR</b></p> <p>177. The collar shall consist of five (5) layer construction and be of two (2) piece design.</p> <p>178. The outer layers shall consist of outer shell material, with two inner layers of neoprene-coated cotton/poly, and a center layer of breathable moisture barrier sandwiched between.</p>			

Item	Provided (check the box that applies)		Comments (list extra and/or equivalent features not listed in the Item column along with Brand and product names)
	YES	NO	
<p>179. The rear inside ply of neoprene shall be sewn to the back layer of outer shell of the collar with four lateral rows of stitching for reinforcement.</p> <p>180. The forward inside ply of neoprene and center layer of breathable moisture barrier shall be sewn to the inside of the collar at the edges only.</p> <p>181. The multi-layered configuration shall provide protection from water and other hazardous elements.</p> <p>182. The collar shall be of two piece design with the left and right halves of all component materials joined in the center by stitching, thereby permitting the collar to retain its proper shape and roll. The collar shall be four (4) inches high and graded to size.</p> <p>183. The leading edges of the collar shall extend up evenly from the leading edges of the jacket front body panels so that no gap occurs at the throat area.</p> <p>184. The back layers of outershell, neoprene and the center ply of breathable moisture barrier of the collar shall be joined to the body panels with two rows of stitching. Inside the collar, above that seam where it is joined to the shell, shall be a strip of five eighth (5/8) inch wide FR hook fastener tape running the full length of the collar.</p>			

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	YES	NO	
<p>185. The front layers of neoprene and outershell of the collar shall have an additional strip of five eighth (5/8) inch wide hook fastener tape stitched to the inside lower edge and running the full length of the collar. These two inside strips of five eighth (5/8) inch wide FR hook fastener tape (e.g. Velcro) sewn to the underside of the collar shall engage corresponding pieces of flame resistant pile fastener tape at the front and back neck area of the liner.</p> <p>186. The collar closure strap shall be constructed of two plies of outer shell material with two center plies of NFPA compliant moisture barrier material, and shall measure not less than four (4) inches wide by nine (9) inches long.</p> <p>187. The collar closure strap shall be secured in the closed and stowed position with flame resistant hook and pile (e.g. Velcro) fastener tape.</p> <p>188. A two (2) inch by three (3) inch piece of FR pile fastener tape shall be sewn vertically to the inside of the end of the closure strap. A corresponding piece of FR hook fastener tape measuring two (2) inches by three (3) inches shall be sewn horizontally to the outside of the collar on the opposite side, thereby providing a high degree of collar strap adjustment when wearing a breathing apparatus mask. In order to provide a means of storage for the closure strap when not in use, a one(1) inch by two (2) inch piece of FR hook fastener tape shall be sewn horizontally to the collar immediately in front of the closure strap.</p>			

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	YES	NO	
<p>189. The collar closure strap shall fold in half with the FR pile fastener tape engaging the FR hook fastener tape.</p> <p>190. An NFPA compliant fabric hanger loop shall be sewn to the inside of the liner at the neckline.</p>			
<p><b>LINER SHOULDER AND UPPER BACK THERMAL ENHANCEMENT</b></p> <p>191. An additional layer of "Aralite" thermal liner material or equivalent shall be used to increase thermal insulation in the upper back and shoulder area of the liner system.</p> <p>192. This thermal enhancement layer shall drape over the top of each shoulder extending from the collar to the sleeve/shoulder seam, and from the juncture of the collar and back panel to a depth of seven and one half (7 ½) inches.</p> <p>193. The upper back and shoulder thermal enhancement layers shall be sandwiched between the thermal liner and moisture barrier layers of the liner system and shall be stitched to the thermal liner layer only.</p>			

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	YES	NO	
<p><b>UPPER BACK REINFORCEMENT</b></p> <p>194. An additional layer of outer shell material shall be used to reinforce the upper back area of the coat.</p> <p>195. The additional shoulder reinforcement layer shall also serve to increase thermal insulation to the upper back area.</p> <p>196. This reinforcement layer shall extend from shoulder seam to shoulder seam, and from the juncture of the collar and back panel to a depth of seven and one half (7 ½) inches.</p> <p>197. The upper back reinforcement layer will be double stitched to the back body panel with Nomex thread.</p>			
<p><b>RADIO POCKET</b></p> <p>198. Each jacket shall have a pocket designed for the storage of a portable radio and shall measure approximately three (3) inches deep by three point five (3.5) inches wide by nine (9) inches high.</p> <p>199. This pocket shall be of box type construction, double stitched to the coat, and shall have one drainage eyelet in the bottom of the pocket.</p>			

Item	Provided (check the box that applies)		Comments (list extra and/or equivalent features not listed in the Item column along with Brand and product names)
	YES	NO	
<p>200. The pocket flap shall be constructed of two layers of outer shell material measuring approximately five (5) inches deep and one quarter (1/4) inch wider than the pocket.</p> <p>201. The pocket flap shall be closed by means of flame resistant hook and pile (e.g. Velcro) fastener tape. A two (2) inch by three (3) inch piece of FR hook fastener tape shall be installed vertically on the inside of the pocket flap beginning at the center of the bottom of the flap.</p> <p>202. A two (2) inch by two (2) inch piece of FR pile fastener tape shall be installed horizontally on the outside of the pocket near the top center and positioned to engage the hook fastener tape.</p> <p>203. In addition, the entire inside of the pocket shall be lined with neoprene coated cotton/polyester moisture barrier material to ensure that the radio is protected from the elements.</p> <p>204. The moisture barrier material shall also be sandwiched between the two layers of outer shell material in the pocket flap for added protection. This pocket shall be installed on the left chest.</p>			

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	YES	NO	
<p><b>MICROPHONE STRAP</b></p> <p>205. A strap shall be constructed to hold a microphone for a portable radio. It shall be sewn to the coat at the ends only, and shall be constructed of double layer outer shell material. This feature shall be located on the left chest.</p>			
<p><b>FACE MASK / HELMET / POUCH HOLDER</b></p> <p>206. An inward facing safety hook shall be riveted to a leather strap approximately two (2) inches in length and of double thickness.</p> <p>207. The strap and safety hook shall be mounted vertically to the front of the jacket with the safety hook in the down position. This shall be used to hold a facemask, helmet, or pouch equipped with a ring holder. This feature shall be located on the right chest</p>			
<p><b>SEWN ON RETROREFLECTIVE LETTERING</b></p> <p>208. The coats shall have lettering sewn to them as follows :</p> <p>209. The letters shall be three (3) inch letters.</p> <p>210. The letters shall be Scotchlite. The letters color shall be Red/Orange.</p>			



Item	Provided (check the box that applies)		Comments (list extra and/or equivalent features not listed in the Item column along with Brand and product names)
	YES	NO	
211. The letters shall be sewn on a piece of outer shell material, then affixed to the outer shell of the jacket. The letters shall be stitched to the garment in a straight line, and shall read:			
<b>NAMES</b> 212. The bottom of the letters shall be approximately seven (7) inches from the collar/neck seam. (Note: Lettering locations are approximate.)			
<b>SIZING</b> 213. The coat length shall be measured from the juncture of the collar and back panels to the hem of the coat and shall measure thirty-two (32) inches long. 214. The coat shall be available in even size chest measurements of two-inch increments, and shall range from a small size of thirty (30) to a large size of sixty (60). Generalized sizing, such as small, medium, large, etc., will not be considered acceptable. Sizing specifically for women shall also be available			

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	YES	NO	
<p><b>THIRD PARTY TESTING AND LISTING PROGRAM</b></p> <p>215. All components used in the construction of these garments shall be tested for compliance to NFPA Standard #1971 (2007 revision) by Underwriters Laboratories (UL). Underwriters Laboratories shall certify and list compliance to that standard. Such certification shall be denoted by the Underwriters Laboratories certification label</p>			
<p><b>LABELS</b></p> <p>216. Appropriate warning label(s) shall be permanently affixed to each garment.</p> <p>217. Additionally, the label(s) shall include the following information. Compliance to NFPA Standard #1971 - 2007 edition, CAN/CGSB 155.1-M88 (latest ed.), Underwriters Laboratories classified mark, Manufacturer's name Manufacturer's address, Manufacturer's garment identification number, Date of manufacture and size fiber contents</p>			
<p><b>ISO CERTIFICATION / REGISTRATION</b></p> <p>218. The protective clothing manufacturer and supplier shall be certified and registered to ISO Standard 9001 to assure a satisfactory level of quality.</p>			