



INVITATION TO BID

ATTENTION: This is not an order. Read all instructions, terms and conditions carefully.

INVITATION NO.:	KCT-01103	RETURN ORIGINAL COPY OF BID TO:
Issue Date:	April 4, 2018	KCTCS
Method of Award:	SEE BID	PROCUREMENT TO PAYMENT SERVICES
Purchasing Officer:	Sharon Bullard	BID #KCT-01103
Email:	sharon.bullard@kctcs.edu	300 NORTH MAIN STREET
		VERSAILLES, KY 40383

Bids are invited on the following: Personal Fire Protection Gear (PCT)

IMPORTANT: SEALED BIDS MUST BE RECEIVED BY April 20, 2018 by 4:00 PM Eastern Daylight Time

1. Sealed Bids for furnishing the following will be received by the Procurement to Payment Services, KCTCS, Versailles, Kentucky, until the date and time stated above or in Addenda. *Bid documents must be submitted in a sealed envelope identified with the Invitation to Bid number and the opening/return date on the face of the envelope* **FACSIMILE BIDS WILL NOT BE ACCEPTED.**
2. Please quote your single best net price on each item, unless a discount from list price is requested, delivered to the address specified, all transportation charges prepaid. Price shall include delivery to the department address shown on this Invitation. Submission of two (2) bids may result in disqualification of both bids.
3. Bids must be firm. Those containing escalator clauses cannot be accepted, unless provided for in Special Conditions. To receive consideration, bids must be made on this form and signed in full. Prices must be based on stated units and extended. Delivery guarantee must be shown. Bids will be rejected unless filled out in ink or on typewriter and signed in ink.
4. The KCTCS Sales Tax Exemption Number is A-20633. Certificate will be provided upon request. Do Not Quote Sales Tax. (...continued on following page.....)

SIGNATURE REQUIRED: This bid cannot be considered valid unless signed and dated by an authorized agent of the bidder. Type or print the information requested in the spaces provided.
ALL BIDS ARE TO BE "TRANSPORTATION CHARGES PREPAID, F.O.B. DESTINATION"

THIS AREA MUST BE COMPLETED

DELIVERY TIME:	NAME OF COMPANY	PHONE:
BID FIRM THROUGH:	NO. & STREET	FAX:
PAYMENT TERMS: Net 30 days Must Accept PO	CITY, STATE & ZIP CODE	
F.O.B. DELIVERED ALL DELIVERY CHARGES TO BE INCLUDED IN PRICES SHOWN	SIGNATURE	DATE:
Email		
FEDERAL ID NUMBER (EIN):	TYPED OR PRINTED NAME	

In submitting this bid, it is expressly agreed that, upon proper acceptance by Kentucky Community and Technical College System of any or all items bid, a contract shall thereby be created with respect to the items accepted.

BIDS MAY ALSO BE VIEWED AT OUR WEBSITE: https://systemoffice.kctcs.edu/Vendor_Information/

All bids and contracts are subject to General Terms and Conditions of KCTCS. You may download/print a copy of these from our website or you may request a copy be mailed to you by contacting the Purchasing Department at 859-256-3225.

AUTHENTICATION OF BID AND STATEMENT OF NON-COLLUSION AND NON-CONFLICT OF INTEREST

I hereby swear (or affirm) under the penalty for false swearing as provided by KRS 523.040:

1. That I am the bidder (if the bidder is an individual), a partner, (if the bidder is a partnership), or an officer or employee of the bidding corporation having authority to sign on its behalf (if the bidder is a corporation);
2. That the attached bid has been arrived at by the bidder independently and has been submitted without collusion with, and without any agreement, understanding or planned common course of action with, any other vendor of materials, supplies, equipment or services described in the Invitation to Bid, designed to limit independent bidding or competition;
3. That the contents of the bid or bids have not been communicated by the bidder or its employees or agents to any person not an employee or agent of the bidder or its surety on any bond furnished with the bid or bids and will not be communicated to any such person prior to the official opening of the bid or bids;
4. That the bidder is legally entitled to enter into contracts with KCTCS and is not in violation of any prohibited conflict of interest, including those prohibited by the provisions of KRS 164.390, 61.096, and 42.990, and;
5. That I have fully informed myself regarding the accuracy of the statement made above.

NOTICE

1. Any agreement or collusion among bidders or prospective bidders which restrains, tends to restrain, or is reasonably calculated to restrain competition by agreement to bid at a fixed price or to refrain from bidding, or otherwise, is prohibited.
2. Any person who violates any provisions of KRS 45A.325 shall be guilty of a felony and shall be punished by a fine of not less than five thousand dollars nor more than ten thousand dollars, or be imprisoned not less than one year nor more than five years, or both such fine and imprisonment. Any firm, corporation, or association which violates any of the provisions of KRS 45A.325 shall, upon conviction, be fined not less than ten thousand dollars nor more than twenty thousand dollars.

SWORN STATEMENT OF COMPLIANCE WITH CAMPAIGN FINANCE LAWS

In accordance with KRS45A.110(2), the undersigned hereby swears under penalty of perjury that he/she has not knowingly violated any provision of the campaign finance laws of the Commonwealth of Kentucky and that the award of a contract to a bidder will not violate any provision of the campaign finance laws of the Commonwealth of Kentucky.

CONTRACTOR REPORT OF PRIOR VIOLATIONS OF KRS CHAPTERS 136, 139, 141, 337, 338, 341 & 342

The contractor by signing and submitting a bid on this invitation agrees as required by 45A.485 to submit final determinations of any violations of the provisions of KRS Chapters 136, 139, 141, 337, 338, 341 and 342 that have occurred in the previous five (5) years prior to the award of a contract and agrees to remain in continuous compliance with the provisions of the statutes during the duration of any contract that may be established. Final determinations of violations of these statutes must be provided to KCTCS by the successful contractor prior to the award of a contract.

CERTIFICATION OF NON-SEGREGATED FACILITIES

The contractor, by submitting a bid on this Invitation, certifies that he/she is in compliance with the Code of Federal Regulations, No. 41 CFR 60-1.8(b), that prohibits maintaining segregated facilities.

INSTRUCTIONS TO BIDDERS:

Bidder's response on the following items must include full identification of the item(s) proposed, and be accompanied by descriptive literature, etc., to enable the purchaser to evaluate qualifications of the item(s) proposed as equal to those specified. **ALL ALTERNATE QUOTATIONS MUST BE ACCOMPANIED BY COMPLETE LITERATURE AND SPECIFICATIONS TO EVALUATE ALTERNATE QUOTE AS EQUAL TO THAT SPECIFIED. FAILURE TO PROVIDE SUFFICIENT INFORMATION WILL BE CAUSE FOR REJECTION OF THE BID.**

When a Bidder proposes to furnish the exact item specified, he shall cite, beside the item, or use the Mfg. & Model No. Proposed blank that follows the line item as follows:

1. If bidding the manufacturer and model number specified in this Invitation, write in "AS SPECIFIED".
2. If bidding an alternate model, identify by manufacturer's number and model.
3. If bidding a private label model, identify as private label and show stock number.

ALL BIDS ARE TO BE "TRANSPORTATION CHARGES PREPAID, F.O.B. DESTINATION"

METHOD OF AWARD

Unless otherwise specified, it is the intent of KCTCS to award this Invitation to Bid on a Best Value basis. In the event no satisfactory bids are received, we reserve the right to award on a group award basis. Separate purchase orders may not be issued unless there is a savings of at least \$100.00 to KCTCS.

Important Dates (subject to change per applicable Addenda):

April 11, 2018 4:00 PM EST

Deadline to submit questions. All questions must be emailed to sharon.bullard@kctcs.edu.

April 20, 2018 4:00 PM EST

Deadline to submit bids.

I. Scope

You are invited to bid for the establishment of a **Price Contract for Personal Fire Protection Gear** for Kentucky Community & Technical College System, Fire Commission and its various locations. The price contract established from this Invitation to Bid shall have no guarantee of any specific sales quantity. The sales quantities listed herein are only estimates. There is no implied or guaranteed quantity of sales.

II. Contract Period

The contract period will be for one (1) year from date of award with an option to extend the contract period for four (4) additional one (1) year periods, upon mutual agreement of KCTCS and the successful Contractor, provided funds are available.

III. Price Increases

All price lists submitted with Invitation to Bid # KCT-01103 must be firm for the initial period of the price contract. New price lists will be accepted at contract extension time only.

It shall be the responsibility of the vendor to request all price changes in writing, with documentation (new price lists), the Division of Purchasing forty-five (45) days prior to the end of the current contract period. Upon review of said documentation and the consent of The Kentucky Community and Technical College System, and upon written notification from same, the requested price changes shall become effective.

IV. Price Decreases

The contract prices shall be reduced to reflect any industry wide price decreases. The contractor is required to furnish the KCTCS Procurement to Payment Services with notice of any price decreases as soon as such information is available.

V. Special Prices

This price contract will not preclude KCTCS from accepting special price considerations when offered by the contractor due to quantity, seasonal, or promotional inducements.

VI. Cancellation of Termination of Contract

This contract will not be canceled during its life except for mal-performance, non-performance or other failure on the part of the supplier to comply with the terms and conditions of the contract. In the event of such action being necessitated, the contract will be null and void immediately upon receipt of written notice from KCTCS Procurement to Payment.

KCTCS reserves the right to cancel any resulting contract, without cause, by giving written notice to the successful supplier no later than 30 calendar days before the proposed cancellation date. Notice of intent to cancel shall be made by certified mail.

KCTCS reserves the right to terminate the contract when requirements under the contract no longer exist or changes in supplies or services render the contract as not responsive to the needs of the Community & Technical College. A written notice made by certified mail will be given to the supplier at least thirty (30) days prior to the proposed termination date.

The supplier may cancel the contract for a properly documented and justifiable reason with s (60) days written notice to the authorized personnel of the Community & Technical College and KCTCS Procurement to Payment. Approval must be received in writing at which time the supplier must remove all equipment and inventory during the mutually agreed upon time from within the sixty (60) days' notice.

Should the contract be cancelled – KCTCS reserves the right to contact the next bidder with best value ranking points to establish contract for services.

VII. Delivery

All items are to be shipped F.O.B. Destination, all freight charges included in the price. The successful supplier will be responsible for all equipment while in transit. Any freight claims will be the responsibility of the Bidder. The College will reject any damaged shipments and immediate notification will be given to the Bidder.

VIII. Method of Award

The Kentucky Community and Technical College System (KCTCS) intends to issue an order to the responsive and responsible vendor(s) per line item, based on the highest average discount offered for each manufacturer who meets the Terms, Conditions, and Specifications of this Invitation to Bid. **Manufacturer must state authorized dealer name, address, phone, fax, if other than bidder.**

Measurable Criteria:**Price 100 Points****TOTAL POINTS 100 Points**

Each Supplier is responsible for submitting all relevant, factual and correct information with their offer to enable the evaluator(s) to afford each Supplier the maximum score based on the available data submitted by the Supplier. SUPPLIER SHALL ENTER UNIT PRICE AND TOTAL PRICE ON THE BID SHEET. If adequate space is not available, the Supplier must attach additional information that clearly cross-references the appropriate location in the solicitation (i.e. page number, paragraph, subject, etc.). KCTCS reserves the right to award by line item or by all items to a single supplier if it is in the best interest of KCTCS to do so.

Price (100 points)

The bidder with the lowest Price receives the maximum score. The bidder with the next lowest Price receives points by dividing the lowest Price by the next lowest price and multiplying that percentage by the available points. For example, 95 points is allocated to the lowest Price criteria for this procurement, Bidder "A" bids \$3.00 as the lowest bidder and receives the maximum 100 points ($\$3.00 / \$3.00 = 1.00 \times 100 = 100$). Assume Bidder "B" is the next lowest bidder at \$4.00, then "B" receives 75 points ($\$3.00 / \$4.00 = .75 \times 100 = 75$).

Best Value scoring is subject to Reciprocal Preference for Kentucky resident bidders.

IX. KENTUCKY RECIPROCAL PREFERENCE LAWS

In accordance with KRS 45A.490 to 45A.494, Kentucky Resident Bidder Status, a resident Offeror of the Commonwealth of Kentucky shall be given a preference against a nonresident Offeror. In evaluating proposals, KCTCS will apply a reciprocal preference against an Offeror submitting a proposal from a state that grants residency preference equal to the preference given by the state of the nonresident Offeror. Residency and nonresidency shall be defined in accordance with KRS 45A.494(2) and 45A.494(3), respectively. Any Offeror claiming Kentucky residency status must submit with its bid/proposal a notarized affidavit (Resident Bidder Claim Form,) with supporting documentation affirming that it meets the criteria as set for in the above referenced statute.

Further, in accordance with KRS 45A.465 and 45A.470, any bidder wishing to claim qualified bidder status must complete and include an Affidavit for Qualified Bidder Status with their response. In evaluating responses, KCTCS will apply preference in accordance with KRS 45A.470. An Affidavit for Qualified Bidder Status forms is available from KCTCS Purchasing, upon request.

X. Bid Submittal

Bids must be received no later than the date and time show on the front page of this Invitation to Bid. All bids must be received in a sealed envelope/package clearly identified with the Invitation to Bid Number in the lower left corner.

XI. Multiple Bids

Unless otherwise specified, only one price, brand and/or model may be proposed for each item on this Invitation to Bid. Bidders must determine their single best offering based on the manufacturers specified. Bids not conforming to this requirement may be rejected.

XII. Kentucky Sales and Use Taxes

Sales of tangible personal property or services to the State of Kentucky and its constitutional agencies are not subject to state sales or use taxes.

XIII. Compliance with Federal Requirements

Where this procurement involves the expenditure of federal assistance or contract grant funds, the awarded contractor shall comply with such federal law and authorized regulations which are mandatory applicable and which are not presently set forth elsewhere in this solicitation. Office of Management and Budget Circular A-102, Appendix "O" requires but is not limited to, compliance with the following provisions;

- (1) All contracts awarded in excess of \$10,000 by grantees and their contractors or sub grantees require compliance with Executive Order 11246, entitled "Equal Employment Opportunity", as amended by Executive Order 11375, and as supplemented in Department of Labor regulations (41 CFR Part 60).
- (2) All negotiated contracts (except those awarded by small purchase procedures) awarded by grantees provide that the grantee, the Federal grantor agency, the Comptroller General of the United States, or any of their duly authorized representatives, shall have access to any books, documents, papers and records of the contractor which are directly pertinent to this specific contract, for the purpose of making audit, examination excerpts and transcriptions. Contractors are to maintain all required records for three years after grantees make final payments and all other pending matters are closed.
- (3) Contracts, subcontracts and subgrants of amounts in excess of \$100,000 requires compliance with all applicable standards, orders, or requirements issued under Section 306 of the Clean Air Act (42 U.S.C. 1857 (h), Section 508 of the Clean Water Act 33 U.S.C. 1368), Executive Order 11738 and Environmental Protection Agency regulations (40 CFR Part 15), which prohibit the use under non-exempt Federal contracts, grants or loans of facilities included on the EPA List of Violating Facilities. This provision requires reporting of violations to the grantor agency and to the U.S.E.P.A. Assistant

XIV. Inspection

All supplies and equipment shall be subject to inspection or tests by the college prior to acceptance. In the event supplies or equipment are defective in material or workmanship or otherwise not in conformity with specified requirements, the college shall have the right to reject them or require acceptable correction at the supplier's expense. A Statement of Condition and inspection report is required for each item.

XV. Rejection of Bids

KCTCS reserves the right to reject any and all bids when it is in the best interest of KCTCS to do so.

XVI. Cancellation of Bids

KCTCS reserves the right to cancel the bid when it is in the best interest of KCTCS to do so.

XVII. Warranty

The manufacturer's most favorable warranty offered to preferred customers shall apply to all items. A copy of such warranty shall be furnished to the college upon delivery of the equipment or product.

XVIII. Oral Discussions

Potential bidders should clearly understand that any verbal representations made or assumed to be made during any oral discussions held between representatives of potential bidders and any State employee or official are not binding on the Commonwealth of Kentucky or its constitutional agencies or colleges.

XIX. Compliance with State Laws

Any contracts or orders placed as a result of an offer shall be governed by the laws of the Commonwealth of Kentucky. The rights and obligations of the parties thereto shall be determined in accordance with these laws. Any offer conditioned upon governance by the laws of a state other than Kentucky shall not be considered.

XX. Supplier Terms & Conditions

Responses submitted that include any additional supplier terms or conditions or contain terms and conditions in conflict with the Statutes of the Commonwealth of Kentucky may be rejected. Suppliers must refrain from imposing conditions that would modify the terms and conditions of the solicitation or limit the bidder's liability to KCTCS on the contract awarded on the basis of such Invitation.

XXI. ADA COMPLIANCE

When applicable (e.g. webpages) the Contractor's products and services will be in compliance with current Americans with Disability Act (ADA) requirements including the applicable current ADA Standards for Accessible Design, Section 508 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794d), Section 255 of the Communications Act, as amended and applicable regs.

XXII. Questions, Solicitation Sole Point of Contact - Restriction on Communication

The KCTCS Procurement to Payment Services shall be the point of contact throughout the solicitation process regarding the terms and conditions contained in this Invitation to Bid. Contact with KCTCS other than the Procurement to Payment Services may be cause for rejection of bid. This does not preclude suppliers who presently hold contracts with KCTCS from communicating with KCTCS individuals regarding existing contracts only.

Any explanation desired by a bidder regarding the meaning or interpretation of the solicitation, specifications, etc., must be requested in writing. Questions will not be addressed via telephone. Oral explanations or instructions given before the award of the contract will not be binding. In the event any item, requirement, term or condition of this Invitation to Bid is not clear, or is not according to regulation, it shall be the sole responsibility of the interested prospective bidder to inquire as to intent, or to state the exception in writing, via email to:

Sharon Bullard

KCTCS Procurement to Payment Services

Sharon.bullard@kctcs.edu

Phone calls will not be accepted.

All questions are to be submitted to the Procurement Department **no later than April 11, 2018 4:00PM EST** via email to Sharon.bullard@kctcs.edu.

XXIII. Specifications (Description & product numbers provided by Kentucky State Fire & Rescue)

OUTER SHELL MATERIAL JACKETS AND PANTS - The "PBI GEMINI XT MATRIX™" outer shell, trade name Gemini XT shall be manufactured by TENCATE and constructed of 60/40 Kevlar /PBI modified plain weave outer shell fabric featuring a patented high tech grid of composite filament & spun yarns in a "Matrix Technology" with an approximate weight of 7.5 oz. per square yard. The shell material must be treated with **SST** (SUPER SHELLTITE) which is a durable water-repellent finish that also enhances abrasion resistance. Color of the garments shall be natural/gold.

THERMAL INSULATING LINER JACKET AND PANTS - The thermal liner shall be constructed of 7.0 oz. per square yard TENCATE "DEFENDER M NP"; consisting of a single layer of needle punched nonwoven batt, quilt stitched to a Brass colored 65% Lenzing FR Rayon, 25% Para-Aramid, and 10% Nylon (spun yarn) blended face cloth. An approximate 8 inch by 10 ½ inch pocket, constructed of thermal liner over-edged to a layer of moisture barrier material, shall be affixed to the inside of the jacket thermal liner on the left side by means of a single needle stitch. The thermal liner shall be sewn to the moisture barrier and bound around its perimeter with bias-cut Neoprene coated cotton/polyester binding. Further mention of "Thermal Liner" in this specification shall refer to this section.

MOISTURE BARRIER JACKETS AND PANTS - The moisture barrier material shall be W.L. GORE CROSSTECH® black moisture barrier - Type 2F, which is comprised of a CROSSTECH® membrane laminated to a 3.3 ounce per square yard Nomex® IIIA woven pajama check substrate. The CROSSTECH® membrane is an enhanced bicomponent membrane 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. CROSSTECH® moisture barrier seams shall be sealed with GORE-SEAM® tape using a Series 6000 (or higher) GORE-SEAM™ sealing machine to afford comparable bacteriophage penetration resistance performance. Further mention of "Specified Moisture Barrier" in this specification shall refer to this section.

SEALED MOISTURE BARRIER SEAMS - All moisture barrier seams shall be sealed with a minimum 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.

METHOD OF THERMAL LINER/MOISTURE BARRIER ATTACHMENT FOR JACKETS AND PANTS - The thermal liner and moisture barrier shall be completely removable from the jacket shell. A total of six snap fasteners shall secure the thermal liner/moisture barrier to the outer shell along the length of the neck line under the top most collar. The top most collar shall be turned under and finished such that the snaps on the collar will not be able to contact the wearers skin. Corresponding snaps shall be installed through a moisture barrier leader measuring an approximate height of 1.75 – 2 inches and shall not penetrate through to the outer shell on the backside of the collar. The remainder of the thermal liner/moisture barrier shall be secured with snap fasteners appropriately spaced on each jacket facing and Ara-Shield snap fasteners at each sleeve end. There shall be one Ara-shield snap tabs at the liner sleeve end which shall be color coded to correspond with color coded snap tabs on the shell sleeve end for ease of matching the liner system to the outer shell after inspection or cleaning is completed.

The thermal liner and moisture barrier shall be completely removable from the pant shell. Nine snap fasteners shall be spaced along the waistband to secure the thermal liner to the shell. The legs of the thermal liner/moisture barrier shall be secured to the shell by means of Ara-Shield snap fasteners, 2 per leg. The Ara-shield snap tabs on the shell shall be color coded to corresponding color coded snap tabs in the liner for ease of matching the liner system to the outer shell after inspection or cleaning is completed. There shall be no hook and loop used to close the liner access opening.

THERMAL PROTECTIVE PERFORMANCE - 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 35.

STITCHING - The outer shell shall be assembled using stitch type #301, #401, #514 and #516. The thermal liners and moisture barriers shall be assembled using stitch type #301, #401, #504, #514, and #516. Major A outer shell structural seams and major B structural liner seams, shall have a minimum of 8 to 10 stitches per inch. All major A seams shall be sewn with ball point needles only. All seams shall be continuously stitched only.

JACKET CONSTRUCTION:

BODY - The body of the shell and AXTION liner system shall be constructed of three separate panels consisting of two front panels and one back panel. 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. One-piece outer shells shall not be acceptable.

AXTION BACK - The jacket outer shell shall include inverted pleats to afford enhanced mobility and freedom of movement in addition to that provided by the AXTION® sleeves. The outer shell shall have two inverted pleats (one each side) installed on either side of the back body panel. The inverted pleats shall begin at the top of each shoulder and extend vertically down the sides of the jacket to the hem. Maximum expansion of the pleats shall occur at the shoulder area and taper toward the hem. Pleats that do not extend to the hem will not be considered, since they do not provide a true AXTION® back.

The moisture barrier and thermal liner layers shall be designed with darts corresponding to the added length in the shell provided by the AXTION® back pleats. The darts are positioned at the shoulder blades, outside of the SCBA straps and work together with the corresponding outer shell pleats in the AXTION® back, providing maximum expansion. The moisture barrier darts will be seam sealed to assure liquid resistance integrity.

LOGOS - The garment brand shall be identified by means of red FR Nomex thread embroidery on the top of the left collar denoting "GLOBE" as the manufacturer. There shall be a reflective label specific to the garment style, measuring 1 inch wide by 4 inches long, installed on the left pocket flap.

DRAG RESCUE DEVICE (DRD) - A Firefighter Drag Rescue Device (DRD) shall be installed in each jacket. The ends of a 1 inch wide strap, constructed of Kevlar®, shall be sewn together to form a continuous loop. The strap shall be installed in the jacket between the liner system and outer shell such that when properly installed will loop around each arm. The strap will be accessed through a portal between the shoulders on the upper back where it is secured in place by an FR strap. The DRD shall be removable for laundering. The access port shall be covered by an outside flap of shell material, designed to fit between the shoulder straps of an SCBA. The flap will have a NFPA-compliant 3M Scotchlite™ reflective logo patch sewn to the outside to clearly identify the feature as the DRD (Drag Rescue Device). The DRD shall not extend beyond the outside flap. This device provides a quickly deployed means of rescuing a downed firefighter. **Flimsy, rope-style DRD straps will not be considered.**

LINER ACCESS OPENING (JACKET) - The liner system of the jacket shall incorporate an opening at the leading edge of the right front panel. This opening shall run a minimum of 11 inches for the purpose of inspecting the integrity of the jacket liner system. When installed into the outer shell the Liner Access Opening shall be covered and protected by the overlap of the outer shell facing.

RETROREFLECTIVE FLUORESCENT TRIM - The retroreflective fluorescent trim shall be lime/yellow 3M Scotchlite™ Triple Trim (L/Y borders with silver center). Each jacket shall have an adequate amount of retroreflective fluorescent trim affixed to the outside of the outer shell to meet the requirements of NFPA 1971 and OSHA. The trim shall be in the following widths and shall be NYC style; 3 inch wide stripes around the bottom of the jacket within approximately 1 inch of the hem, around the back and chest area approximately 3 inches below the armpit, around each sleeve below the elbow, around each sleeve above the elbow.

REINFORCED TRIM STITCHING - All reflective trim is secured to the outer shell with Nomex® thread, using a locking chainstitch protected by our exclusive TrimTrax® system. Developed exclusively by Globe Manufacturing Co., LLC. this strip of 3/32-inch strong, durable, flame resistant black Kevlar® cording provides a bed for the stitching along each edge of the retroreflective fluorescent trim surface and affords extra protection for the thread from abrasion. TrimTrax® has been proven to be 5 to 7 times more durable than single or even double rows of stitching, significantly reducing maintenance costs and providing more value and a longer service life. Two rows of stitching used to attach the trim in place of the TrimTrax® shall be considered an unacceptable alternative, since it has been proven that the two rows of stitching has insignificant impact on wear life. All trim ends shall be securely sewn into a seam for a clean finished appearance.

SEWN ON RETROREFLECTIVE LETTERING:

Each jacket shall have 3" lime/yellow 3M Scotchlite™ lettering on Rows A - C reading:

- Row A arched: STATE
- Row C: FIRE RESCUE

Each jacket shall have 3" lime/yellow 3M Scotchlite™ lettering on the hanging letter patch reading:

- INSTRUCTOR

LETTER PATCH:

Sew-On Letter Patch - Lettering on Row A-C will be on a black Brigade sewn-on letter patch. The sewn-on letter patch shall be constructed of a layer of outer shell material.

Sew-On Letter Patch - There will be on a black Brigade sewn-on letter patch on the right sleeve. The sewn-on letter patch shall be constructed of a layer of outer shell material.

Hanging Letter Patch - The hanging letter patch shall be constructed of a double layer of black Brigade outer shell material. The letter patch will attach to the rear inside hem of the jacket with a combination of snap fasteners and FR hook & loop fastener tape.

COLLAR & FREE HANGING THROAT TAB - The collar shall consist of a minimum four-layer construction and be of one-piece design. There shall be two layers of specified moisture barrier material sandwiched in between two layers of outer shell fabric (see Moisture Barrier section). The forward inside ply of moisture barrier shall be sewn to the inside of the collar along the edges only. The multi-layered configuration shall provide protection from water and other hazardous elements, while maintaining thermal protection. The collar shall be a minimum of 3 inches high and graded to chest size. 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. The collar back layers of outer shell and moisture barrier shall be joined to the body panels with a minimum of two rows of stitching. The collar front layers of outer shell and moisture barrier fabric shall have a series of 6 snap fasteners spaced equidistant to minimize gaps on lower edge of the collar. The top most collar shall be turned under and finished such that the snaps on the collar will not be able to contact the wearer's skin. There shall be 6 corresponding snap fasteners on a moisture barrier leader, which is sewn to the thermal liner system to engage the snaps on the collar. The snaps on the thermal liner system leader will be installed such that they do not penetrate from the outer shell through to the inner layers. This moisture barrier leader on the thermal liner system shall be sandwiched between the underside of the top collar shell fabric and moisture barrier material and the bottom collar shell fabric and moisture barrier material so as to reduce the possibility of liner detachment while donning and doffing.

The throat tab shall be a scoop type design and constructed of two plies of outer shell material with two center plies of moisture barrier material. The throat tab shall measure not less than 3 inches wide at the center tapering to 2 inches at each end with a total length of approximately 9 inches. The throat tab will be attached to the right side of the collar by a 1 inch wide by 1 inch long piece of Nomex® twill webbing. The throat tab shall be secured in the closed and stowed position with FR hook and loop fastener tape. The FR hook and loop fastener tape shall be oriented to prevent exposure to the environment when the throat tab is in the closed position. Two 1½ inch by 3 inch pieces of FR loop fastener tape shall be sewn vertically to the inside of each end of the throat tab. Corresponding pieces of FR hook fastener tape measuring 1 inch by 3 inches shall be sewn horizontally to the leading outside edge of the collar on each side, for attachment and adjustment when in the closed position and wearing a breathing apparatus mask. In order to provide a means of storage for the throat tab when not in use, a 1 inch by 3 inch piece of FR hook fastener tape shall be sewn horizontally to the inside of the throat tab immediately under the 1½ inch by 3 inch pieces of FR loop fastener tape. The collar closure strap shall fold in half for storage with the FR loop fastener tape engaging the FR hook fastener tape.

A hanger loop constructed of a double layer of outer shell material shall be sewn to the top of the collar at the center.

JACKET FRONT - The jacket shall incorporate separate facings to ensure there is no interruption in thermal or moisture protection in the front closure area. The facings shall measure approximately 2½ 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. A 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. There shall be wicking barrier constructed of Crosstech® 2F moisture barrier material installed on the front closure system on the left and right side directly below the front facings to ensure continuous protection and overlap. The wicking barrier shall extend no more than a maximum of ¼" beyond the inner facing and false facing shall be unacceptable. The thermal liner and moisture barrier assembly shall be attached to the jacket facings by means of snap fasteners.

STORM FLAP - A rectangular storm flap measuring approximately 3 inches (6 inches for hook and dee inside/FR hook and loop fastener tape outside closure; aka #7C) wide and a minimum of 23 inches long (based on a 32" jacket) 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. The outside storm flap shall be constructed of two plies of outer shell material with a center ply of breathable moisture barrier material. 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.

STORM FLAP AND JACKET FRONT CLOSURE SYSTEM - The jacket shall be closed by means of a 22 inch size #10 heavy duty high-temp smooth-gliding YKK Vislon® zipper on the jacket fronts and FR hook and loop fastener tape on the storm flap. The teeth of the zipper shall be mounted on black Nomex® tape and shall be sewn into the respective jacket fronts. The storm flap shall close over the left and right jacket body panels and shall be secured with FR hook and loop fastener tape. A 1½ inch piece of FR loop fastener tape shall be installed along the leading edge of the storm flap on the underside with four rows of stitching. A corresponding 1½ 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 loop fastener tape when the storm flap is closed over the front of the jacket.

CARGO/HANDWARMER EXPANSION (BELLOWS) POCKETS - Each jacket front body panel shall have a 2 inch deep by 8 inch wide by 8 inch high expansion pocket, double stitched to it and shall be located such that the bottom of the pockets are at the bottom of the jacket for full functionality when used with an SCBA. Retroreflective trim shall run over the bottom of the pockets so as not to interrupt the trim stripe. Two rust resistant metal drain eyelets shall be installed in the bottom of each expansion pocket to facilitate drainage of water. The expansion pocket shall be reinforced with a layer of Kevlar® approximately 5 inches up on the inside of the pocket. The pocket flaps shall be rectangular in shape, constructed of two layers of outer shell material and shall measure 3 inches deeper than the pocket expansion and ½ inch wider than the pocket. The upper pocket corners shall be reinforced with proven bartacks and pocket flaps shall be reinforced with bartacks. The pocket flaps shall be closed by means of FR hook and loop fastener tape. Two pieces of 1½ inch by 3 inch FR hook fastener tape shall be installed vertically on the inside of each pocket flap (one piece on each end). Two corresponding pieces of 1½ inch by 3 inch FR loop 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. 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 and shall be lined with Nomex® Fleece for warmth and comfort. Shell material linings shall not be considered acceptable. (32" or shorter length) Retroreflective trim shall run over the bottom of the pockets so as not to interrupt the trim stripe. 26" length jacket – standard size pockets are not available, expansion pockets are available in either 2 inch deep by 10 inch wide by 6 inch high or 2 inch deep by 8 inch wide by 6 inch high.

AXTION® SLEEVES - The sleeves shall be of two piece construction and contoured, having an upper and a lower sleeve. Both the under and upper sleeve shall be graded in proportion to the chest size. For unrestricted movement, on the underside of each sleeve there shall be two outward facing pleats located on the front and back portion of the sleeve on the shell and thermal liner. On the moisture barrier, the system will consist of two darts, rather than pleats, to allow added length in the under sleeve. The moisture barrier darts will be seam sealed to assure liquid resistance integrity.

The pleats shall expand in response to upper arm movement and shall fold in on themselves when the arms are at rest. This expansion shall allow for greater multi-directional mobility and flexibility in the shoulder and arm areas, with little restriction or jacket rise. Neither stove-pipe nor raglan-style sleeve designs will be considered acceptable.

SLEEVE CUFF REINFORCEMENTS - The sleeve cuffs shall be reinforced with black Ara-Shield® material. The cuff reinforcements shall not be less than 2 inch in width and folded in half, approximately one half inside and one half outside the sleeve end for greater strength and abrasion resistance. The cuff reinforcement shall be double stitched to the sleeve end; a single row of stitching shall be considered unacceptable. This independent cuff provides an additional layer of protection as compared to a turned and stitched cuff. Jackets finished with a turned and stitched cuff do not provide the same level of abrasion resistance and will be considered unacceptable.

WRISTLETS / ELASTICIZED ADJUSTABLE SLEEVE WELLS - Each jacket shall be equipped with Nomex® hand and wrist guards (over the hand) not less than 7 inches in length and of double thickness. A separate thumbhole with an approximate diameter of 2 inches shall be recessed approximately 1 inch from the leading edge. Nomex® knit is constructed of 96% Nomex® and 4% Spandex for shape retention. The color of the wristlets shall be white.

The wristlets shall be sewn to the end of the liner sleeves. Flame resistant neoprene coated cotton/polyester material shall be sewn to the inside of the sleeve shell approximately 5 inches from the sleeve end and extending toward the cuff forming the sleeve well. The neoprene sleeve well shall form an elasticized cuff end with an FR hook and loop fastener tape tab providing a snug fit at the wrist and covering the knit wristlet. This sleeve well configuration serves to prevent water and other hazardous elements from entering the sleeves when the arms are raised. The neoprene material shall also line the inside of the sleeve shell from the cuff to a point approximately 5 inches back, where it joins the sleeve well and is double stitched to the shell. Four Ara-shield® snap tabs will be sewn into the juncture of the sleeve well and wristlet. 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. One of the Ara-shield® snap tabs shall be a different color in the liner to correspond with color coded snap tabs for ease of matching the liner system to the outer shell after inspection or cleaning is completed. This configuration will ensure there is no interruption in protection between the sleeve liner and wristlet.

LINER ELBOW THERMAL ENHANCEMENT - An additional layer of thermal liner material shall be sewn to the elbow area of the liner system for added protection at contact points and increased thermal insulation in this high compression area. The elbow 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. Finished dimension shall be approximately 5 inches by 8 inches. All edges shall be finished by means of overedging. Raw or unfinished edges shall be considered unacceptable. Thermal scraps shall not be substituted for full-cut fabric padding.

LINER SHOULDER AND UPPER BACK THERMAL ENHANCEMENT - A minimum of one 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. This full-cut thermal enhancement layer shall drape over the top of each shoulder extending from the collar to the sleeve/shoulder seam, down the front approximately 5 inches from the juncture of the collar down the back to a depth of approximately 5 ¾ inches to provide greater CCHR protection in this high compression area. The upper back, front 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. The thermal enhancement layer shall have finished edges by means of overedging. Raw or unfinished edges shall be considered unacceptable. Thermal scraps shall not be substituted for full-cut fabric padding. Smaller CCHR reinforcements shall not be considered acceptable since they provide far less area of coverage.

SHOULDER REINFORCEMENT - The tops of the shoulders (front yoke) of the outer shell shall be reinforced on the outside with an extra layer of outer shell material.

The additional shoulder reinforcement layer shall also serve to increase thermal insulation to the shoulder area. The reinforcements shall be double stitched to the shell and shall measure approximately 4 inches wide near the collar and approximately 6 inches wide at the juncture of the sleeve and body panels.

RADIO POCKET - Each jacket shall have a pocket designed for the storage of a portable radio. This pocket shall be of box type construction, double stitched to the jacket and shall have one drainage eyelet in the bottom of the pocket. The pocket flap shall be constructed of two layers of outer shell material measuring approximately 3 inches longer than the depth of the pocket and ¼ inch wider than the pocket. The pocket flap shall be closed by means of FR hook and loop fastener tape. A 1½ inch by 3 inch piece of FR hook fastener tape shall be installed on the inside of the pocket flap beginning at the center of the bottom of the flap. A 1½ inch by 3 inch piece of FR loop fastener tape shall be installed horizontally on the outside of the pocket near the top center and positioned to engage the hook fastener tape. In addition, the entire inside of the pocket shall be lined with neoprene coated cotton/polyester material to ensure that the radio is protected from the elements. The impermeable barrier material shall also be sandwiched between the two layers of outer shell material in the pocket flap for added protection. The radio pocket shall measure approximately 3 inches deep by 3.5 inches wide by 9 inches high and shall be installed on the left chest.

- Radio pocket 6-inch and over in height requires trim
- Radio pockets on the sleeves will be fully lined with neoprene to comply with the NFPA 2013 Stored Energy Test.

MICROPHONE STRAP - A strap shall be constructed to hold a microphone for a portable radio. It shall be sewn to the jacket at the ends only. The size of the microphone strap shall be 1 inch x 3 inches. The microphone straps shall be mounted one above the radio pocket and one on the right chest and shall be constructed of double layer outer shell material.

HELMET SNAP w/SELF STRAP AND HOOK & LOOP STRAP - Each jacket shall be equipped with a Helmet Snap & Strap. An inward facing safety hook, attached to a double layer self material strap, shall be double stitched in a vertical position to the upper chest. Below the safety hook will be a strap constructed of outer shell material measuring approximately 1 inch by 12 inches and shall hold the barrel of the flashlight. The strap will be equipped with a 1 inch by 3 inches FR hook and loop closure at front of the strap to facilitate easy removal of the flashlight. There shall be approximately 6 inches between the safety hook and strap. The helmet strap shall be located on the right chest.

PANT CONSTRUCTION:

BODY - The body of the shell shall be constructed of four separate body panels consisting of two front panels and two back panels. 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. The body panels and seam lengths shall be graded to size to assure accurate fit in a broad range of sizes.

The front body panels will be wider than the rear body panels to provide more fullness over the knee area. This is accomplished by rolling the side leg seams (inside and outside) to the rear of the pant leg beginning at the knee. The slight taper will prevent premature wear of the side seams by pushing them back and away from the primary high abrasion areas encountered on the sides of the lower legs.

AXTION® SEAT - The rise of the rear pant center back seam, including gusset if any, from the top back of the waistband to where it intersects the inside leg seams at the crotch shall exceed the rise at the front of the pant by 8 inches. The longer rear center back seam provides added length in the seat for mobility without restriction when stepping up, kneeling, or crawling and maintains proper alignment of the knee, without twisting, directly over the knee pads when kneeling and crawling.

LINER ACCESS OPENING (PANT) - The thermal liner and moisture barrier layers of the pant liner system shall be constructed in such a way as to allow an access opening for interior inspection, service and replacement. The thermal liner and moisture barrier layers shall be stitched together for security and prevention of inadvertent use of onelayer without the other. The liner system shall have a reinforcement of black Ara-Shield® material sewn to the bottom of the fly opening. This reinforcement will serve to prevent the liner from tearing in that area from the constant donning and doffing of the pants.

The liner system of the pant shall incorporate an opening along the back of the waistline for ease in inspecting the inner layers and to facilitate performing the complete Liner Inspection. The thermal liner and moisture barrier shall be individually bound with a neoprene coated bias cut tape and joined together on each of the front panels, along the waistband from the front fly opening to side seam. The back of the liner system will be allowed to remain open with two snaps on either side of the back seam to attach the moisture barrier layer to the thermal liner layer. As described previously, the pant thermal layer system snaps directly to the independent waistband by means of nine snap fasteners. There shall be no hook and loop used to close the liner access opening.

RETROREFLECTIVE FLUORESCENT TRIM - The pants shall have a stripe of retroreflective fluorescent trim encircling each leg below the knee to comply with the requirements of NFPA #1971 in 3 inch lime/yellow 3M Scotchlite™ Triple Trim (L/Y borders with silver center).

- Bottom of trim band shall be located approximately 3" above cuff.

REINFORCED TRIM STITCHING - All reflective trim is secured to the outer shell with Nomex® thread, using a locking chainstitch protected by our exclusive TrimTrax® system. Developed exclusively by Globe Manufacturing Co., LLC. this strip of 3/32-inch strong, durable, flame resistant black Kevlar® cording provides a bed for the stitching along each edge of the retroreflective fluorescent trim surface and affords extra protection for the thread from abrasion. TrimTrax® has been proven to be 5 to 7 times more durable than single or even double rows of stitching, significantly reducing maintenance costs and providing more value and a longer service life. Two rows of stitching used to attach the trim in place of the TrimTrax® shall be considered an unacceptable alternative, since it has been proven that the two rows of stitching has insignificant impact on wear life. All trim ends shall be securely sewn into a seam for a clean finished appearance.

ELASTICIZED WAISTBAND - The pant design facilitates the transfer of the weight of the pant to the hips instead of shoulders and suspenders. The two rear outer-shell body panels, beginning at the pant side seams, shall incorporate an elasticized waist insert, running from the side seam towards the back of the trouser for an approximate distance of 4 inches. The rear elasticized waist inserts shall be integral to the shell of the pant and the elasticized portions shall be covered by the outer shell fabric of the pant.

The waist area of the pants shall be reinforced on the inside with a separate piece of black aramid outer shell material, cut on the bias (diagonally). The reinforcement shall be folded in half, for a finished bottom edge and shall have a finished width of not less than approximately 1½ inches. The top edge of the waistband reinforcement shall be double stitched to the outer shell at the top of the pants. The lower edge of the waistband shall be unattached to the shell to accept the thermal liner and moisture barrier. The top of the thermal liner and moisture barrier shall be secured to the underside of the waistband reinforcement by means of nine snaps, spaced equidistant along the length of the waistband reinforcement. Inserting the liner system between the waistband reinforcement and outer shell serves to reduce the possibility of liner detachment while donning and doffing. The independent waistband construction affords greater comfort and fit than a turned and stitched method. Pants that do not include an independent waistband or are not cut on the bias will not provide the same amount of stretch to the

garment and shall be considered unacceptable.

EXTERNAL / INTERNAL FLY FLAP - The pants will have a vertical outside fly flap constructed of two layers of outer shell material, with a layer of moisture barrier material sandwiched between. The fly flap shall be double stitched to the left front body panel and shall measure approximately 2 ¾ inches wide, with a length graded to size based on waist measurement and reinforced with backtacks at the base. An internal fly flap constructed of one layer of outer shell material, thermal liner and specified moisture barrier, measuring approximately 2 inches wide, with a length graded to size based on waist, shall be sewn to the leading edge of the right front body panel.

The underside of the outside fly flap shall have a 1½ inch wide piece of FR loop fastener tape quadruple stitched full length along the shell material only; stitching shall not penetrate the moisture barrier insert between the two shell fabric layers to insure greater thermal protection and reduced water penetration. A corresponding strip of 1½ inch wide piece of FR hook fastener tape shall be quadruple stitched to the outside right front body panel securing the fly in a closed position.

BELT - Each pant shall include an approximate 2 inch wide black aramid belt with a self locking hi-temp thermoplastic buckle serving as the exterior primary positive locking closure. Sizing adjustment shall be provided by means of the black belting which can be threaded through the male portion of the 2 inch thermoplastic buckle; this buckle shall also provide a quick-release mechanism for donning and doffing. The belt shall be attached to the two front body panels of the pant at the side seams and shall run through tunnels constructed of black 7½ osy aramid outer shell material, protecting the belt from damage. The tunnels will begin at the side seams and run to the front of the pant, terminating at the buckle closure system. A single belt loop constructed of a double layer of black 7½ osy aramid measuring approximately ½ inch by 3 inches shall be attached to the topside of the right side tunnel. The belt loop will be located approximately 2 inches from the tunnel opening for storage of the belt tab.

AXTION® KNEE - The outer shell of the pant legs shall be constructed with horizontal expansion pleats in the knee area with corresponding darts in the liner to provide added fullness for increased freedom of movement and maximum flexibility. The pleats shall be folded to open outwardly towards the side seams to insure no restriction of movement. The AXTION® knee will be installed proportionate to the pant inseam, in such a manner that it falls in an anatomically correct knee location.

The thermal liner shall be constructed with four darts per leg in the front of the knee. Two will be located above the knee (one on each side) and two will be located below the knee (one on each side). On the moisture barrier, the system will consist of two darts, rather than pleats, to allow added length in the under knee. The darts in the liner provide a natural bend at the knee. The darts in the liner work in conjunction with the expansion panels in the outer shell to increase freedom of movement when kneeling, crawling, climbing stairs or ladders, etc.

LINER KNEE THERMAL ENHANCEMENT - A minimum of one additional layer of specified thermal liner and one additional layer of moisture barrier material, measuring a minimum of 9 inches by 11 inches, will be sewn to the knee area of the liner system for added CCHR protection and increased thermal insulation in this high compression area. The knee 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. The thermal enhancement layer shall have finished edges by means of overedging. Raw or unfinished edges shall be considered unacceptable. Thermal scraps shall not be substituted for full-cut fabric padding. Smaller CCHR reinforcements shall not be considered acceptable since they provide far less area of coverage.

KNEE REINFORCEMENTS - The knee area shall be reinforced with black Ara-Shield® material.

The knee reinforcement shall be centered on the leg to insure proper coverage when bending, kneeling and crawling. The knee reinforcements shall measure 9 inches wide by 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. The knee reinforcement specified shall be removable without opening up any seams of the outer shell of the pant. The knee reinforcement specified shall be removable for replacement without opening Major A seams of the outer shell of the pant.

The lower edge of the Ara-Shield® knee reinforcement shall be turned under so that the lower row of stitching is covered and protected from abrasion.

PADDING UNDER KNEE REINFORCEMENTS - Padding for the knees shall be accomplished with one layer of neoprene coated aramid batt and one layer of quilted aramid batt. Both layers of padding shall be sandwiched between the shell and the knee reinforcement layers. The neoprene shall face outward. There shall also be 2 layers of quilted aramid batt on the liner and 2 layers of aramid batt on the shell.

EXPANSION (BELLOWS) POCKETS - An expansion pocket, measuring approximately 2 inches deep by 10 inches wide by 10 inches high shall be double stitched to the side of each leg straddling the outseam above the knee and positioned to provide accessibility. The lower half of each expansion pocket shall be reinforced with an additional layer of Kevlar® twill material on the inside. Two rust resistant metal drain eyelets shall be installed on the underside of each expansion pocket to facilitate drainage of water. The pocket flaps shall be rectangular in shape, constructed of two layers of outer shell material and shall measure 3 inches deeper than the pocket expansion and ½ inch wider than the pocket. The upper pocket corners shall be reinforced with proven bartacks and pocket flaps shall be reinforced with bartacks. The pocket flaps shall be closed by means of FR hook and loop fastener tape. Two pieces of 1½ inch by 3 inch FR hook fastener tape shall be installed vertically on the inside of each pocket flap (one piece on each end). Two corresponding pieces of 1½ inch by 3 inch FR loop 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. The right pocket flap shall be divided in the center.

EXPANSION POCKET REINFORCEMENTS - The lower half of the expansion pockets shall be reinforced on the outside with black Ara-Shield® material.

PANT CUFF REINFORCEMENTS - The cuff area of the pants shall be reinforced with black Ara-Shield® material.

The cuff reinforcement shall not be less than 2 inch 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. The cuff reinforcement shall be double stitched to the outer shell for a minimum of two rows of stitching. This independent cuff provides an additional layer of protection over a hemmed cuff. Pants that are turned and stitched at the cuff, as opposed to an independent cuff reinforcement, do not provide the same level of abrasion resistance and shall be considered unacceptable.

POCKET DIVIDER - The right side expansion pocket shall be equipped with a vertical self-material divider separating the pocket into two compartments. The divider will split the pocket 50/50.

PADDED RIP-CORD SUSPENDERS & ATTACHMENT - On the inside waistband shall be attachments for the standard "H" style "Padded Rip-

Cord" suspenders. There will be four attachments total – 2 front, 2 back. The suspender attachments shall be constructed of a double layer of black aramid measuring approximately ½ inch wide by 3-inches long. They shall be sewn in a horizontal position on the ends only to form a loop. The appearance will be much like a horizontal belt loop to capture the suspender ends.

A pair of "H" style "Padded Rip-Cord" suspenders shall be specially configured for use with the pants. The main body of the suspenders shall be constructed of 2 inch wide black webbing straps. The suspenders shall run over each shoulder to a point approximately shoulder blade high on the back, where they shall be joined by a 2 inch wide horizontal piece of webbing measuring approximately 8-inches long, forming the "H". This shall prevent the suspenders from slipping off the shoulders. The shoulder area of the suspenders will be padded for comfort by fully encasing the webbing with aramid batting and wrap-around black aramid.

The rear ends of the suspenders will be sewn to 2-inch wide elasticized webbing extensions measuring approximately 8-inches in length and terminating with thermoplastic loops. The forward ends of the suspender straps shall be equipped with specially configured black powder coat non-slip metal slides with teeth. Through the metal slides will be the 9 inch lengths of strap webbing "Rip-Cords" terminating with thermoplastic loops on each end. Pulling on the "Rip-Cords" shall allow for quick adjustment of the suspenders.

Threaded through and attached to the thermoplastic loops on the forward and rear ends of the suspenders will be black aramid suspender attachments incorporating two snap fasteners. The aramid suspender attachments are to be threaded through the suspender attachment loops on the inside waistband of the pants. The aramid suspender attachments will then fold over and attach to themselves securing the suspender to the pants.

REVERSE BOOT CUT - The outer shell pant leg cuffs will be constructed such that the back of the leg is approximately 1 inch shorter than the front. The liner will 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. 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 pant cuffs. Pants that have "cut-outs" in the back panel rather than a contoured boot cut shall be considered unacceptable.

THIRD PARTY TESTING AND LISTING PROGRAM - All components used in the construction of these garments shall be tested for compliance to NFPA Standard #1971 by Underwriters Laboratories (UL). Underwriters Laboratories shall certify and list compliance to that standard. Such certification shall be denoted by the Underwriters Laboratories certification mark.

LABELS - Appropriate warning label(s) shall be permanently affixed to each garment. Additionally, the NFPA certification label shall include the following information:

- Compliance to NFPA Standard #1971
- Underwriters Laboratories classified mark
- Manufacturer's name
- Manufacturer's address
- Manufacturer's garment identification number
- Date of manufacture
- Size

ISO CERTIFICATION / REGISTRATION - The protective clothing manufacturer shall be certified and registered to ISO Standard 9001 to assure a satisfactory level of quality. Indicate below whether the manufacturer is so certified and registered:

- Yes _____
- No _____

WARRANTY - The manufacturer shall warrant these jackets and pants to be free from defects in materials and workmanship for their serviceable life when properly used and cared for.

HOOK AND LOOP SUPPORT PROGRAM - Support program shall cover hook or loop tape that has begun to fray or otherwise degrade from normal wear. This program shall remain in effect for a period of five years from the original date of manufacture of the garment. This support program shall cover the repair or replacement, without charge, of any hook and/or loop on the garments produced by the manufacturer providing the garments are otherwise serviceable.

This support program does NOT cover damage from fire, heat, chemicals, misuse, accident or negligence. Failure to properly care for garments will serve to void this support program.

SIZING BY VENDOR - Both male and female sizing samples shall be available.

Both male and female sizing samples shall be on hand for use when sizing. The vendor shall be available to perform all sizing requirements within 96 hours of written notice. Measuring with a tape measure is not acceptable.

GARMENT TRAINING AND SUPPORT - OSHA requires employees be trained on the capabilities and limitations of their Personal Protective Equipment. The selected vendor shall provide the following:

- On-site care and maintenance training shall be provided by the manufacturer. Training shall be in compliance with NFPA 1851, current edition, at the conclusion of which each participant shall receive a certificate of completion.
- An on-site OSHA mandated training class on the Knowing the Limits of Your PPE shall be provided at no charge. The training shall include structural firefighting coat, pant and boots.

BAR-CODE/RECORD KEEPING INTERFACE - A 1 dimensional barcode, in the interleaved 2 of 5 format shall be printed on the label of each separable layer of the garment.

This barcode shall represent the serial number of the garment. The manufacturer shall be able to provide a detailed list of each asset of a drop-shipped order, and shall include the following:

- Brand
- Order Number
- Serial Number
- Style Number
- Color

- Description
- Chest/Waist Size
- Jacket/pant Length
- Sleeve Length
- Date of Manufacture
- Mark-For Data

This information shall be able to be imported into the manufacturers web-based system designed to facilitate the organization and tracking of assets in accordance with the cleaning and inspection requirements of OSHA and NFPA 1851.

PPE RECORD KEEPING - The manufacturer shall make available and no-charge, a password protected data based backed website that does not care whose brand of PPE assets are being recorded. The website shall have the functionality to allow the manufacturer to import all of the pertinent data into the department's account so that the initial data entry by fire department personnel is eliminated.

The website shall allow for the department to use a barcode scanner, if desired, to scan the Interleaved 2 of 5 barcode found in the gear by going to the Search the Serial Number page in PPE record keeping program, and scanning the asset's barcoded serial number.

Bids offering a 600 denier Matrix product and/or the Matrix shell without the SST will not be considered.

XXIV. Form of Proposal

You are invited to bid on **Personal Fire Protection Gear** for the Kentucky Community and Technical College System (KCTCS), Fire Commission, various locations in KY. **You must bid on all items for your proposal to be considered.** The award of this bid will result in a Price Contract.

This specification details design and materials criteria to afford protection to the upper and lowerbody, excluding head, hands, feet, against adverse environmental effects during structural fire fighting. All materials and construction will meet or exceed NFPA Standard #1971 and OSHA for structural fire fighters protective clothing.

Description & product numbers provided by Kentucky State Fire & Rescue

<u>ITEM</u>	<u>QTY</u>	<u>Product Code / DESCRIPTION</u> Included but not limited to specifications listed in section XX	<u>UNIT</u>	<u>EXTENDED</u>
1	50	WOMENS JACKETS Manufacturer/Model _____ Warranty _____	\$	\$
2	50	WOMENS PANTS Manufacturer/Model _____ Warranty _____	\$	\$
3	50	MENS JACKETS Manufacturer/Model _____ Warranty _____		
4	50	MENS PANTS Manufacturer/Model _____ Warranty _____		
		Freight	\$	
		GRAND TOTAL	\$	

Supplier Bid Submission Checklist:	
Supplier is responsible for meeting all bid requirements (including those not listed below):	
YES	NO : Pg. 1 – Invitation to Bid completed & signed
YES	NO : Section XXII – Supplier did <u>not</u> include their own terms and conditions
YES	NO : Form Of Proposal completed – all sections
YES	NO : Substitute W-9 completed
YES	NO : Supplier meets all requirements throughout the Invitation to Bid
YES	NO : Supplier understands that all items must be bid to be considered
YES	NO : ISO CERTIFICATION / REGISTRATION has been indicated

Substitute W-9 Form

A completed, signed KCTCS Substitute W-9 form must be submitted with the bid. This information must be obtained prior to award of a contract. Bids received without a completed W-9 form may be rejected. A form has been attached for completion.



Substitute W-9
Revised 12/6/13

Substitute W-9 Form

Kentucky Community and Technical College System
300 North Main Street, Versailles, KY 40383

College:	System Office - Procure to Pay		
College Contact:	Sharon Bullard	College Contact Email:	sharon.bullard@kctcs.edu
College Contact Ph:	(859) 256-3225	College Contact Fax:	(859) 256-3124

To avoid Internal Revenue Service (IRS) mandated backup withholding KCTCS is required to obtain your Taxpayer Identification Number (TIN) for reporting income paid to you or your organization. KCTCS uses a Substitute W-9 Form to obtain certification of your TIN and retains this information in its secure payee/vendor database. This form may be completed online and then printed for signature. Tab to fields and populate with your information. New Vendors must complete the entire form. Existing Vendor's may the complete shaded area of form. New and updated forms must be signed and dated.

New Vendor (complete entire form) **Changes to existing vendor**

Federal Tax ID #: (Required) _____ TIN/EIN SSN

Legal Name used for purposes of IRS reporting _____

Business Name (if different from name used for purposes of IRS reporting) _____

Does your business accept credit Cards? Yes No If yes, Visa MC Other: _____

Type of Business (Required):

- | | | |
|---|---|--|
| <input type="checkbox"/> Corporation | <input type="checkbox"/> Government Entity | <input type="checkbox"/> Foreign Nonresident Individual |
| <input type="checkbox"/> Partnership | <input type="checkbox"/> Foreign Entity (other than individual) | <input type="checkbox"/> Limited Liability Company |
| <input type="checkbox"/> Non Profit/501(c) Entity | <input type="checkbox"/> U.S. Agent of Foreign Person/Entity | <input type="checkbox"/> Individual/Sole Proprietor (US Citizen) |
| <input type="checkbox"/> Exempt from backup withholding | | |

Other (Please Explain) _____

Business Classification (Required - Select only one - Does not apply to publically traded entities)

<input type="checkbox"/> Minority Business Enterprise/MBE (please choose one sub-classification at right): <i>Defined as a business at least 51% owned by one or more African-Americans, Hispanics, Native Americans, Asian Pacific Americans, Asian Indian Americans, and other groups as defined by Federal law.</i>	<input type="checkbox"/> Hispanic-American	<input type="checkbox"/> African-American
	<input type="checkbox"/> Asian-American	<input type="checkbox"/> American Indian
	<input type="checkbox"/> Other (explain):	
<input type="checkbox"/> Women-Owned Business Enterprise/WBE <i>Defined as a business at least 51% owned by one or more women.</i>	<input type="checkbox"/> Disadvantaged Business Enterprise/DBE <i>Defined as a business at least 51% owned by at least one differently-abled, socially, or economically disadvantaged individual as defined by Federal law.</i>	
<input type="checkbox"/> Veteran Owned Business/VOB <i>Defined as a business at least 51% owned and operated by a service veteran.</i>	<input type="checkbox"/> Disadvantaged Veteran Owned Business/DVOB <i>Defined as a business at least 51% owned and operated by a service veteran with a service-related disability of at least 10 percent.</i>	
<input type="checkbox"/> None of the Above	<input type="checkbox"/> Other (Explain):	

Certification

Under penalties of perjury, I certify that:

The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and I am a U.S. person (including a U.S. resident alien).

Signature of U.S. Person	Date
Printed Name:	

Purchase Order		Purchase Order Information		<input type="checkbox"/> Check if remit address is same as PO address	
Preferred Method of Receiving Purchase Orders: <input type="checkbox"/> Email <input type="checkbox"/> Fax <input type="checkbox"/> Check if there is a change to your Purchase order address					
Vendor Name (if different from above)					
Order to Address					
City		State		Zip	
Sales Contact Name		Email for PO			
Sales Contact Phone		Fax for PO			
<input type="checkbox"/> Purchase Address - Change to					
Remittance		Remittance Address as it appears on your invoice			
Vendor Name (if different from above)					
Remit to Address					
City		State		Zip	
Remit to Contact Name		Email			
Remit to Phone		Fax			
<input type="checkbox"/> Remit to Address - Change to					

Whenever possible we desire to replace check payments with an electronic payment (ACH - direct deposit transfer). In order to switch your payment type if already established from paper check to electronic transfer we will need your bank account information entered on this substitute W-9 form. Your email address will only be used to notify you when an electronic payment is issued, to notify you of the issuance of a purchase order, or to notify you of other official business correspondence. Your e-mail and/or banking information will not be shared or distributed outside KCTCS' Business Services Division and will be used solely for KCTCS business applications.

Direct Deposit Information (All fields are required to receive ACH electronic direct deposit payments)	
Name on Bank Account:	
Bank Name (include branch name if applicable):	
Bank Routing Number (9-digit ABA #):	Bank Account Number:
Mark only one (should match information noted above): <input type="checkbox"/> Checking: <input type="checkbox"/> Savings:	
E-mail address -- Please print LEGIBLY -- Required for electronic notification of payment to your bank account.	
Mark if this is a: <input type="checkbox"/> Establishment of a new direct deposit <input type="checkbox"/> Change of existing direct deposit	
Email change only <input type="checkbox"/> New email address to where payment notification to be sent:	

I hereby authorize and request KCTCS to initiate credit entries for payment to my account. If necessary, a debit entry may be made in accordance with National Automated Clearing House Association (NACHA) rules reversing a credit entry made in error at the financial institution named. The electronic payment data remains in effect until withdrawn by written notification to KCTCS, 300 North Main Street, Versailles, KY 40383.

PRINTED NAME

Authorized Signature

Date