



1. Solicitation #: SW17241

2. Solicitation Issue Date: 01/12/17

3. Brief Description of Requirement:

Firefighter's Equipment. Anything the firefighter wears, carries, or uses to do their job with the exception of anything that remains attached to a vehicle. Please note: fire hoses will not be included in this contract.

NOTE TO SUPPLIERS: The State of Oklahoma is working to streamline the process of payment to suppliers and to reduce the timeframe of payment. When submitting your response, please also include a draft invoice (that is like your original invoices) with the item(s) and pricing. Please make sure that it is marked as "Draft Invoice". The intent of this is to match our purchase orders to an invoice whenever possible; however, unless there is some overriding reason for a marked difference, the invoice should closely match the RFP items and pricing. Please note that if your company is awarded and issued a purchase order, you will still need to submit a proper invoice after the purchase order has been issued and you have provided the item(s)/services(s) to the agency. Also, please be sure and put in bold letters "THIS IS NOT A BILL" in addition to marking it as a draft invoice.

RFP NOTICE: Please note that on an RFP no pricing shall be released at the time of opening. Should a public opening be requested the only information to be released will be a list of bidders without pricing.

4. Response Due Date¹: February 2, 2017

Time: 3:00 PM CST/CDT

5. Issued By and RETURN SEALED BID TO²:

U.S. Postal Delivery Address: OMES – Central Purchasing
5005 N. Lincoln Blvd., Suite 300
Oklahoma City, OK 73105

Common Carrier Delivery Address: OMES – Central Purchasing
5005 N. Lincoln Blvd., Suite 300
Oklahoma City, OK 73105

Electronic Submission Address: _____

6. Solicitation Type (type "X" at one below):

- ☐ Invitation to Bid
☒ Request for Proposal
☐ Request for Quote

7. Contracting Officer:

Name: Linda Lechtenberg

Phone: 405-522-0436

Email: Linda.Lechtenberg@omes.ok.gov

¹ Amendments to solicitation may change the Response Due Date (read GENERAL PROVISIONS, section 3, "Solicitation Amendments")

² If "U.S. Postal Delivery" differs from "Carrier Delivery", use "Carrier Delivery" for courier or personal deliveries



*"Certification for Competitive Bid and Contract" **MUST** be submitted along with the response to the Solicitation.*

1. **RE: Solicitation #** SW17241

2. **Bidder General Information:**

FEI / SSN : _____ Supplier ID: _____

Company Name: _____

3. **Bidder Contact Information:**

Address: _____

City: _____ State: _____ Zip Code: _____

Contact Name: _____

Contact Title: _____

Phone #: _____ Fax #: _____

Email: _____ Website: _____

4. **Oklahoma Sales Tax Permit¹:**

☐ YES – Permit #: _____

☐ NO – Exempt pursuant to Oklahoma Laws or Rules – Attach an explanation of exemption

5. **Registration with the Oklahoma Secretary of State:**

☐ YES - Filing Number: _____

☐ NO - Prior to the contract award, the successful bidder will be required to register with the Secretary of State or must attach a signed statement that provides specific details supporting the exemption the supplier is claiming (www.sos.ok.gov or 405-521-3911).

6. **Workers' Compensation Insurance Coverage:**

Bidder is required to provide with the bid a certificate of insurance showing proof of compliance with the Oklahoma Workers' Compensation Act.

☐ YES – Include a certificate of insurance with the bid

☐ NO - Attach a signed statement that provides specific details supporting the exemption you are claiming from the Workers' Compensation Act (Note: Pursuant to Attorney General Opinion #07-8, the exemption from 85 O.S. 2011, § 311 applies only to employers who are natural persons, such as sole proprietors, and does not apply to employers who are entities created by law, including but not limited to corporations, partnerships and limited liability companies.)²

Authorized Signature

Date

Printed Name

Title

¹ For frequently asked questions concerning Oklahoma Sales Tax Permit, see <http://www.tax.ok.gov/faq/faqbussales.html>

² For frequently asked questions concerning workers' compensation insurance, see <http://www.ok.gov/oid/faqs.html#c221>



NOTE: A certification shall be included with any competitive bid and/or contract exceeding \$5,000.00 submitted to the State for goods or services.

Agency Name: OMES, Central PurchasingAgency Number: 090Solicitation or Purchase Order #: SW17241

Supplier Legal Name: _____

SECTION I [74 O.S. § 85.22]:**A. For purposes of competitive bid,**

1. I am the duly authorized agent of the above named bidder submitting the competitive bid herewith, for the purpose of certifying the facts pertaining to the existence of collusion among bidders and between bidders and state officials or employees, as well as facts pertaining to the giving or offering of things of value to government personnel in return for special consideration in the letting of any contract pursuant to said bid;
2. I am fully aware of the facts and circumstances surrounding the making of the bid to which this statement is attached and have been personally and directly involved in the proceedings leading to the submission of such bid; and
3. Neither the bidder nor anyone subject to the bidder's direction or control has been a party:
 - a. to any collusion among bidders in restraint of freedom of competition by agreement to bid at a fixed price or to refrain from bidding,
 - b. to any collusion with any state official or employee as to quantity, quality or price in the prospective contract, or as to any other terms of such prospective contract, nor
 - c. in any discussions between bidders and any state official concerning exchange of money or other thing of value for special consideration in the letting of a contract, nor
 - d. to any collusion with any state agency or political subdivision official or employee as to create a sole-source acquisition in contradiction to Section 85.45j.1. of this title.

B. I certify, if awarded the contract, whether competitively bid or not, neither the contractor nor anyone subject to the contractor's direction or control has paid, given or donated or agreed to pay, give or donate to any officer or employee of the State of Oklahoma any money or other thing of value, either directly or indirectly, in procuring this contract herein.

SECTION II [74 O.S. § 85.42]:

For the purpose of a contract for services, the supplier also certifies that no person who has been involved in any manner in the development of this contract while employed by the State of Oklahoma shall be employed by the supplier to fulfill any of the services provided for under said contract.

The undersigned, duly authorized agent for the above named supplier, by signing below acknowledges this certification statement is executed for the purposes of:

☐ the competitive bid attached herewith and contract, if awarded to said supplier;

OR

☐ the contract attached herewith, which was not competitively bid and awarded by the agency pursuant to applicable Oklahoma statutes.

Supplier Authorized Signature_____
Certified This Date_____
Printed Name_____
Title_____
Phone Number_____
Email_____
Fax Number

TABLE OF CONTENTS

A GENERAL PROVISIONS..... 5

B. SPECIAL PROVISIONS10

C. SOLICITATION SPECIFICATIONS.....10

D. EVALUATION19

E. INSTRUCTIONS TO BIDDER19

F. CHECKLIST20

G. OTHER20

H. PRICE AND COST20

A. GENERAL PROVISIONS

A.1. Definitions

As used herein, the following terms shall have the following meaning unless the context clearly indicates otherwise:

- A.1.1. "Acquisition" means items, products, materials, supplies, services, and equipment a state agency acquires by purchase, lease purchase, lease with option to purchase, or rental pursuant to the Oklahoma Central Purchasing Act;
- A.1.2. "Addendum" means a written restatement of or modification to a Contract Document executed by the Supplier and State.
- A.1.3. "Bid" means an offer in the form of a bid, proposal, or quote a bidder submits in response to a solicitation;
- A.1.4. "Bidder" means an individual or business entity that submits a bid in response to a solicitation;
- A.1.5. "Solicitation" means a request or invitation by the State Purchasing Director or a state agency for a supplier to submit a priced offer to sell acquisitions to the state. A solicitation may be an invitation to bid, request for proposal, or a request for quotation; and
- A.1.6. "Supplier" or "vendor" means an individual or business entity that sells or desires to sell acquisitions to state agencies.

A.2. Bid Submission

- A.2.1. Submitted bids shall be in strict conformity with the instructions to bidders and shall be submitted with a completed Responding Bidder Information, OMES-FORM-CP-076, and any other forms required by the solicitation.
- A.2.2. Bids shall be submitted to the Central Purchasing Division in a single envelope, package, or container and shall be sealed, unless otherwise detailed in the solicitation. The name and address of the bidder shall be inserted in the upper left corner of the single envelope, package, or container. SOLICITATION NUMBER AND SOLICITATION RESPONSE DUE DATE AND TIME MUST APPEAR ON THE FACE OF THE SINGLE ENVELOPE, PACKAGE, OR CONTAINER.
- A.2.3. The required certification statement, "Certification for Competitive Bid and/or Contract (Non-Collusion Certification)", OMES-FORM-CP-004, must be made out in the name of the bidder and must be properly executed by an authorized person, with full knowledge and acceptance of all its provisions.
- A.2.4. All bids shall be legible and completed in ink or with electronic printer or other similar office equipment. Any corrections to bids shall be identified and initialed in ink by the bidder. Penciled bids and penciled corrections shall NOT be accepted and will be rejected as non-responsive. In addition to a hard copy submittal, the bidder will also be required to submit an electronic copy. Electronic responses must be submitted in the identical format contained in the solicitation (for example Microsoft Word, Microsoft Excel, but not Adobe PDF). In the event the hard copy of the price worksheets and electronic copy of the price worksheets do not agree, the electronic copy will prevail.
- A.2.5. All bids submitted shall be subject to the Oklahoma Central Purchasing Act, Central Purchasing Rules, and other statutory regulations as applicable, these General Provisions, any Special Provisions, solicitation specifications, required certification statement, and all other terms and conditions listed or attached herein—all of which are made part of this solicitation.

A.3. Solicitation Amendments

- A.3.1. If an "Amendment of Solicitation", OMES-FORM-CP-011, is issued, the bidder shall acknowledge receipt of any/all amendment(s) to solicitations by signing and returning the solicitation amendment(s). Amendment acknowledgement(s) may be submitted with the bid or may be forwarded separately. If forwarded separately, amendment acknowledgement(s) must contain the solicitation number and response due date and time on the front of the envelope. The Central

Purchasing Division must receive the amendment acknowledgement(s) by the response due date and time specified for receipt of bids for the bid to be deemed responsive. Failure to acknowledge solicitation amendments may be grounds for rejection.

- A.3.2. No oral statement of any person shall modify or otherwise affect the terms, conditions, or specifications stated in the solicitation. All amendments to the solicitation shall be made in writing by the Central Purchasing Division.
- A.3.3. It is the bidder's responsibility to check the OMES/Central Purchasing Division website frequently for any possible amendments that may be issued. The Central Purchasing Division is not responsible for a bidder's failure to download any amendment documents required to complete a solicitation.

A.4. Bid Change

If the bidder needs to change a bid prior to the solicitation response due date, a new bid shall be submitted to the Central Purchasing Division with the following statement "This bid supersedes the bid previously submitted" in a single envelope, package, or container and shall be sealed, unless otherwise detailed in the solicitation. The name and address of the bidder shall be inserted in the upper left corner of the single envelope, package, or container. SOLICITATION NUMBER AND SOLICITATION RESPONSE DUE DATE AND TIME MUST APPEAR ON THE FACE OF THE SINGLE ENVELOPE, PACKAGE, OR CONTAINER.

A.5. Certification Regarding Debarment, Suspension, and Other Responsibility Matters

By submitting a response to this solicitation:

- A.5.1. The prospective primary participant and any subcontractor certifies to the best of their knowledge and belief, that they and their principals or participants:
 - A.5.1.1. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded by any Federal, State or local department or agency;
 - A.5.1.2. Have not within a three-year period preceding this proposal been convicted of or pled guilty or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) contract; or for violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
 - A.5.1.3. Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph A.5.1.2. of this certification; and
 - A.5.1.4. Have not within a three-year period preceding this application/proposal had one or more public (Federal, State, or local) contracts terminated for cause or default.
- A.5.2. Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to its solicitation response.

A.6. Bid Opening

Sealed bids shall be opened by the Central Purchasing Division at 5005 N. Lincoln Blvd. Suite 300, Oklahoma City, Oklahoma, 73105 at the time and date specified in the solicitation as Response Due Date and Time.

A.7. Open Bid / Open Record

Pursuant to the Oklahoma Public Open Records Act, a public bid opening does not make the bid(s) immediately accessible to the public. The procurement or contracting agency shall keep the bid(s) confidential, and provide prompt and reasonable access to the records only after a contract is awarded or the solicitation is cancelled. This practice protects the integrity of the competitive bid process and prevents excessive disruption to the procurement process. The interest of achieving the best value for the State of Oklahoma outweighs the interest of vendors immediately knowing the contents of competitor's bids. [51 O.S. § 24A.5(5)]

Additionally, financial or proprietary information submitted by a bidder may be designated by the Purchasing Director as confidential and the procurement entity may reject all requests to disclose information designated as confidential pursuant to 62 O.S. (2012) § 34.11.1(H)(2) and 74 O.S. (2011) § 85.10. Bidders claiming any portion of their bid as proprietary or confidential must specifically identify what documents or portions of documents they

consider confidential and identify applicable law supporting their claim of confidentiality. The State Purchasing Director shall make the final decision as to whether the documentation or information is confidential pursuant to 74 O.S. § 85.10. Otherwise, documents and information a bidder submits as part of or in connection with a bid are public records and subject to disclosure after contract award or the solicitation is cancelled.

A.8. Late Bids

Bids received by the Central Purchasing Division after the response due date and time shall be deemed non-responsive and shall NOT be considered for any resultant award.

A.9. Legal Contract

- A.9.1. Submitted bids are rendered as a legal offer and any bid, when accepted by the Central Purchasing Division, shall constitute a contract.
- A.9.2. The Contract resulting from this solicitation may consist of the following documents in the following order of precedence:
 - A.9.2.1. Any Addendum to the Contract;
 - A.9.2.2. Purchase order, as amended by Change Order (if applicable);
 - A.9.2.3. Solicitation, as amended (if applicable); and
 - A.9.2.4. Successful bid (including required certifications), to the extent the bid does not conflict with the requirements of the solicitation or applicable law.
- A.9.3. Any contract(s) awarded pursuant to the solicitation shall be legibly written or typed.

A.10. Pricing

- A.10.1. Bids shall remain firm for a minimum of sixty (60) days from the solicitation closing date.
- A.10.2. Bidders guarantee unit prices to be correct.
- A.10.3. In accordance with 74 O.S. §85.40, ALL travel expenses to be incurred by the supplier in performance of the Contract shall be included in the total bid price/contract amount.

A.11. Manufacturers' Name and Approved Equivalents

Unless otherwise specified in the solicitation, manufacturers' names, brand names, information and/or catalog numbers listed in a specification are for information and not intended to limit competition. Bidder may offer any brand for which they are an authorized representative, and which meets or exceeds the specification for any item(s). However, if bids are based on equivalent products, indicate on the bid form the manufacturer's name and number. Bidder shall submit sketches, descriptive literature, and/or complete specifications with their bid. Reference to literature submitted with a previous bid will not satisfy this provision. The bidder shall also explain in detail the reason(s) why the proposed equivalent will meet the specifications and not be considered an exception thereto. Bids that do not comply with these requirements are subject to rejection.

A.12. Clarification of Solicitation

- A.12.1. Clarification pertaining to the contents of this solicitation shall be directed in writing to the Central Purchasing Contracting Officer specified in the solicitation, and must be prior to the closing date of the solicitation.
- A.12.2. If a bidder fails to notify the State of an error, ambiguity, conflict, discrepancy, omission or other error in the SOLICITATION, known to the bidder, or that reasonably should have been known by the bidder, the bidder shall submit a bid at its own risk; and if awarded the contract, the bidder shall not be entitled to additional compensation, relief, or time, by reason of the error or its later correction. If a bidder takes exception to any requirement or specification contained in the SOLICITATION, these exceptions must be clearly and prominently stated in their response.
- A.12.3. Bidders who believe proposal requirements or specifications are unnecessarily restrictive or limit competition may submit a written request for administrative review

to the contracting officer listed on the solicitation. This request must be made prior to the closing date of the solicitation.

A.13 Negotiations

- A.13.1. In accordance with Title 74 §85.5, the State of Oklahoma reserves the right to negotiate with one, selected, all or none of the vendors responding to this solicitation to obtain the best value for the State. Negotiations could entail discussions on products, services, pricing, contract terminology or any other issue that may mitigate the State's risks. The State shall consider all issues negotiable and not artificially constrained by internal corporate policies. Negotiation may be with one or more vendors, for any and all items in the vendor's offer.
- A.13.2. Firms that contend that they lack flexibility because of their corporate policy on a particular negotiation item shall face a significant disadvantage and may not be considered. If such negotiations are conducted, the following conditions shall apply:
- A.13.3. Negotiations may be conducted in person, in writing, or by telephone.
- A.13.4. Negotiations shall only be conducted with potentially acceptable offers. The State reserves the right to limit negotiations to those offers that received the highest rankings during the initial evaluation phase.
- A.13.5. Terms, conditions, prices, methodology, or other features of the bidders offer may be subject to negotiations and subsequent revision. As part of the negotiations, the bidder may be required to submit supporting financial, pricing, and other data in order to allow a detailed evaluation of the feasibility, reasonableness, and acceptability of the offer.
- A.13.6. The requirements of the Request for Proposal shall not be negotiable and shall remain unchanged unless the State determines that a change in such requirements is in the best interest of the State Of Oklahoma.

A.14. Rejection of Bid

The State reserves the right to reject any bids that do not comply with the requirements and specifications of the solicitation. A bid may be rejected when the bidder imposes terms or conditions that would modify requirements of the solicitation or limit the bidder's liability to the State. Other possible reasons for rejection of bids are listed in OAC 260:115-7-32.

A.15. Award of Contract

- A.15.1. The State Purchasing Director may award the Contract to more than one bidder by awarding the Contract(s) by item or groups of items, or may award the Contract on an ALL OR NONE basis, whichever is deemed by the State Purchasing Director to be in the best interest of the State of Oklahoma.
- A.15.2. Contract awards will be made to the lowest and best bidder(s) unless the solicitation specifies that best value criteria is being used.
- A.15.3. In order to receive an award or payments from the State of Oklahoma, suppliers must be registered. The vendor registration process can be completed electronically through the OMES website at the following link: <https://www.ok.gov/dcs/vendors/index.php>.

A.16. Contract Modification

- A.16.1. The Contract is issued under the authority of the State Purchasing Director who signs the Contract. The Contract may be modified only through a written Addendum, signed by the State Purchasing Director and the supplier.
- A.16.2. Any change to the Contract, including but not limited to the addition of work or materials, the revision of payment terms, or the substitution of work or materials, directed by a person who is not specifically authorized by the Central Purchasing Division in writing, or made unilaterally by the supplier, is a breach of the Contract. Unless otherwise specified by applicable law or rules, such changes, including unauthorized written Addendums, shall be void and without effect, and the supplier shall not be entitled to any claim under this Contract based on those changes. No oral statement of any person shall modify or otherwise affect the terms, conditions, or specifications stated in the resultant Contract.

A.17. Delivery, Inspection and Acceptance

- A.17.1. Unless otherwise specified in the solicitation or awarding documents, all deliveries shall be F.O.B. Destination. The supplier(s) awarded the Contract shall prepay all packaging, handling, shipping and delivery charges and firm prices quoted in the bid shall include all such charges. All products and/or services to be delivered pursuant to the Contract shall be subject to final inspection and acceptance by the State at destination. "Destination" shall mean delivered to the receiving dock or other point specified in the purchase order. The State assumes no responsibility for goods until accepted by the State at the receiving point in good condition. Title and risk of loss or damage to all items shall be the responsibility of the supplier until accepted by the receiving agency. The supplier(s) awarded the Contract shall be responsible for filing, processing, and collecting any and all damage claims accruing prior to acceptance.
- A.17.2. Supplier(s) awarded the Contract shall be required to deliver products and services as bid on or before the required date. Deviations, substitutions or changes in products and services shall not be made unless expressly authorized in writing by the Central Purchasing Division.

A.18. Invoicing and Payment

- A.18.1. Pursuant to 74 O.S. §85.44(B), invoices will be paid in arrears after products have been delivered or services provided.
- A.18.2. Payment terms will net 45.
- A.18.3. Additional terms which provide discounts for earlier payment will be evaluated when making an award. Additional terms shall be no less than ten (10) days increasing in five (5) day increments up to thirty (30) days. The date from which the discount time is calculated shall be the date of a valid invoice. An invoice is considered valid if sent to the proper recipient and goods or services have been received.

A.19. Tax Exemption

State agency acquisitions are exempt from sales taxes and federal excise taxes. Bidders shall not include these taxes in price quotes.

A.20. Audit and Records Clause

- A.20.1. As used in this clause, "records" includes books, documents, accounting procedures and practices, and other data, regardless of type and regardless of whether such items are in written form, in the form of computer data, or in any other form. In accepting any Contract with the State, the successful bidder(s) agree any pertinent State or Federal agency will have the right to examine and audit all records relevant to execution and performance of the resultant Contract.
- A.20.2. The successful supplier(s) awarded the Contract(s) is required to retain records relative to the Contract for the duration of the Contract and for a period of seven (7) years following completion and/or termination of the Contract. If an audit, litigation, or other action involving such records is started before the end of the seven (7) year period, the records are required to be maintained for two (2) years from the date that all issues arising out of the action are resolved, or until the end of the seven (7) year retention period, whichever is later.

A.21. Non-Appropriation Clause

The terms of any Contract resulting from the solicitation and any Purchase Order issued for multiple years under the Contract are contingent upon sufficient appropriations being made by the Legislature or other appropriate government entity. Notwithstanding any language to the contrary in the solicitation, purchase order, or any other Contract document, the procuring agency may terminate its obligations under the Contract if sufficient appropriations are not made by the Legislature or other appropriate governing entity to pay amounts due for multiple year agreements. The Requesting (procuring) Agency's decisions as to whether sufficient appropriations are available shall be accepted by the supplier and shall be final and binding.

A.22. Choice of Law

Any claims, disputes, or litigation relating to the solicitation, or the execution, interpretation, performance, or enforcement of the Contract shall be governed by the laws of the State of Oklahoma.

A.23. Choice of Venue

Venue for any action, claim, dispute or litigation relating in any way to the Contract shall be in Oklahoma County, Oklahoma.

A.24. Termination for Cause

- A.24.1. The supplier may terminate the Contract for default or other just cause with a 30-day written request and upon written approval from the Central Purchasing Division. The State may terminate the Contract for default or any other just cause upon a 30-day written notification to the supplier.
- A.24.2. The State may terminate the Contract immediately, without a 30-day written notice to the supplier, when violations are found to be an impediment to the function of an agency and detrimental to its cause, when conditions preclude the 30-day notice, or when the State Purchasing Director determines that an administrative error occurred prior to Contract performance.
- A.24.3. If the Contract is terminated, the State shall be liable only for payment for products and/or services delivered and accepted.

A.25. Termination for Convenience

- A.25.1. The State may terminate the Contract, in whole or in part, for convenience if the State Purchasing Director determines that termination is in the State's best interest. The State Purchasing Director shall terminate the Contract by delivering to the supplier a Notice of Termination for Convenience specifying the terms and effective date of Contract termination. The Contract termination date shall be a minimum of 60 days from the date the Notice of Termination for Convenience is issued by the State Purchasing Director.
- A.25.2. If the Contract is terminated, the State shall be liable only for products and/or services delivered and accepted, and for costs and expenses (exclusive of profit) reasonably incurred prior to the date upon which the Notice of Termination for Convenience was received by the supplier.

A.26. Insurance

The successful supplier(s) awarded the Contract shall obtain and retain insurance, including workers' compensation, automobile insurance, medical malpractice, and general liability, as applicable, or as required by State or Federal law, prior to commencement of any work in connection with the Contract. The supplier awarded the Contract shall timely renew the policies to be carried pursuant to this section throughout the term of the Contract and shall provide the Central Purchasing Division and the procuring agency with evidence of such insurance and renewals.

A.27. Employment Relationship

The Contract does not create an employment relationship. Individuals performing services required by this Contract are not employees of the State of Oklahoma or the procuring agency. The supplier's employees shall not be considered employees of the State of Oklahoma nor of the procuring agency for any purpose, and accordingly shall not be eligible for rights or benefits accruing to state employees.

A.28. Compliance with the Oklahoma Taxpayer and Citizen Protection Act of 2007

By submitting a bid for services, the bidder certifies that they, and any proposed subcontractors, are in compliance with 25 O.S.

§1313 and participate in the Status Verification System. The Status Verification System is defined in 25 O.S. §1312 and includes but is not limited to the free Employment Verification Program (E-Verify) through the Department of Homeland Security and available at www.dhs.gov/E-Verify.

A.29. Compliance with Applicable Laws

The products and services supplied under the Contract shall comply with all applicable Federal, State, and local laws, and the supplier shall maintain all applicable licenses and permit requirements.

A.30. Special Provisions

Special Provisions set forth in SECTION B apply with the same force and effect as these General Provisions. However, conflicts or inconsistencies shall be resolved in favor of the Special Provisions.

B. SPECIAL PROVISIONS

B.1. Contract Period

- B.1.1.** The Contract Period is the Date of Award through one year with the option to renew for up to four (4) additional one year periods.

B.2. Agreement Period

- B.2.1.** The Agreement Period is the Date of Award through the end of the final renewal period. Renewal options shall be at the sole discretion of the State of Oklahoma.

B.3. Extension of Contract.

- B.3.1.** The State may extend the term of this contract for up to 180 day intervals if mutually agreed upon by both parties in writing.

B.4. Type of Contract.

- B.4.1.** This is a firm fixed price contract for indefinite delivery and indefinite quantity for the supplies/services specified.

B.5. Contract Preference

- B.5.1.** This contract is non-mandatory for State of Oklahoma agencies

B.6. Authorized Users.

- B.6.1.** This Contract shall be made available to all State Departments, Boards, Commissions, Agencies and Institutions. The Oklahoma Statutes state that Counties, School Districts, Universities, and Municipalities may avail themselves of the contract.

- B.6.2.** The Oklahoma Statutes state that Counties, School Districts, and Municipalities may avail themselves of the contract subject to the approval of the successful vendor(s). In the response, Suppliers are required to indicate whether their response (check one):

B.6.2.1. Yes ____ (1) permits usage by entities other than State Agencies or

B.6.2.2. No ____ (2) permits usage by State Agencies only.

- B.6.3.** Authorized Users have no authority to amend, modify or change any terms and conditions of this contract.

B.7. Ordering.

- B.7.1.** Any supplies and/or services to be furnished under this contract shall be ordered by issuance of written purchase orders, or with the State purchase card, by state agencies and authorized entities. There is no limit on the number that may be issued. Delivery to multiple destinations may be required. All orders are subject to the terms and conditions of this contract. Any order dated prior to expiration of this contract shall be performed. In the event of conflict between a purchase order and this contract, the contract shall have precedence. Each purchasing entity will place orders directly with the winning Supplier(s).

B.8. Prompt Payment Discounts.

- B.8.1.** Please review A.18.3 for information concerning prompt payment discounts.

B.9. Gratuities

- B.9.1.** The right of the successful Supplier to perform under this contract may be terminated by written notice if the Contracting Officer determines that the successful Supplier, or its agent or another representative offered or gave a gratuity (e.g., an entertainment or gift) to an officer, official, or employee of Central Purchasing.

B.10. Proposal Conformity

- B.10.1.** By submitting a response to this solicitation, the offeror attests that the supplies or services conform to specified contract requirements.

B.11. Contract Usage Reporting Requirements

- B.11.1.** Reports shall provide the total dollar amounts sold to all political entities that include but are not limited to State Agencies, Counties, Cities, Schools, hospitals and Municipalities.

- B.11.2.** Reports shall be submitted quarterly regardless of quantity. Failure to report sales may be cause for termination of contract.

- B.11.3.** Usage Reports shall be delivered to Central Purchasing within 45 calendar days upon completion of performance quarter period cited in B.11.4 of this contract provision. Usage Reports may be delivered to the Central Purchasing Strategic Sourcing Group via the following addresses:

B.11.3.1. Email – strategic.sourcing@omes.ok.gov

B.11.3.2. Physical Address:

OMES – Central Purchasing
Frates Building
5005 N. Lincoln, Suite 300
Oklahoma City, Ok 73105

B.11.4. Contract quarterly reporting periods shall be:

B.11.4.1. January 1 through March 31.

B.11.4.2. April 1 through June 30.

B.11.4.3. July 1 through September 30.

B.11.4.4. October 1 through December 31.

B.11.5. Failure to provide usage reports shall result in cancellation or suspension of contract.

B.11.6. Usage Reports shall be submitted in the Excel form listed as Attachment “E”.

B.12. Contract Management Fee

B.12.1. As provided by Oklahoma State Statute 74 O. S., §85.33A, the Office of Management and Enterprise Services assesses an Administrative Fee in the sum of 1% on all sales transacted by any entity under this contract. The Oklahoma Administrative Fee shall not be reflected as a separate line item in the Supplier's billing to participating State Agencies and Authorized Users.

B.12.2. Supplier agrees to annotate the resultant amount on the quarterly “Contract Usage Report” as listed in Section B.11.6 and make payment by company check to OMES – Central Purchasing within forty five (45) calendar days from the completion of the quarterly reporting period as listed in Section B.11.4. To ensure the payment is credited properly, the Supplier must identify the check as a “Contract Management Fee” and include the following information with the payment: List the SW# and Contract Title, the report amount, and the reporting period covered. The Contract Management Fee shall be mailed to:

OMES – Accounting and Reporting
5005 N. Lincoln Blvd., Suite 200
Oklahoma City, OK 73105

B.12.3. Failure to remit the fee quarterly may result in the cancellation of the contract. The State Contract Management Fee is non-refundable when an item is rejected, returned or declined due to the Supplier's failure to perform or comply with specifications or requirements of the contract.

B.13. Conflict of Interest

B.13.1. The Request for Proposal hereunder is subject to the provisions of the Oklahoma Statutes. All Suppliers must disclose with their proposal the name of any officer, director, or agent who is also an employee of the State of Oklahoma or any of its agencies. Further, all Suppliers must disclose the name of any State Employee who owns, directly or indirectly, an interest of five percent (5%) or more in the Suppliers firm or any of its branches.

B.14. Patents and Royalties

B.14.1. The Supplier, without exception, shall indemnify and save harmless the State of Oklahoma and its employees from liability of any nature or kind, including cost and expenses for or on account of any copyrighted, patented, or unpatented invention, process, or article manufactured or used in the performance of the contract including its use by the State of Oklahoma. If the Supplier uses any design, device or materials covered by letters, patent copyright, it is mutually agreed and understood without exception that the proposal prices shall include all royalties or cost arising from the use of such design, device, or materials in any way involved in the work.

B.14.2. The Supplier without exception, shall indemnify and save harmless the State of Oklahoma and its employees from liability of any nature or kind, including cost and expenses for or on account of any copyrighted, patented or unpatented invention, process, or article manufactured or used in the performance of the contract including its use by the State of Oklahoma. If the Supplier uses any design, device or materials covered by letters, patent or copyright, it is mutually agreed and understood without exception that the RFP prices shall include all royalties or cost arising from the use of such design, device, or materials in any way involved in the work.

B.15. Disclosures Regarding Lobbyists

B.15.1. A Supplier may not reimburse itself within its state contract pricing for its costs and expenses of lobbyists.

B.15.2. Any Supplier using the services of a lobbyist to assist in obtaining a contract shall (1) disclose all costs, fees, compensation, reimbursements, and other remunerations paid or to be paid to the lobbyist related to the contract (2) not bill or otherwise charge the State for such and (3) certify that no such costs were billed to the State.

B.15.3. The name and address of each lobbyist or agent of the Supplier or subSupplier who communicated with a State employee about a solicitation or potential solicitation must be disclosed with the solicitation response.

B.16. Notice of Award

B.16.1. Notice of award letter resulting from this RFP will be furnished to each successful Supplier and shall result in a binding contract without further action by either party. It shall be the successful Supplier's responsibility to reproduce and distribute copies to all authorized dealers listed in your RFP response. No additions, deletions, or changes of any kind shall be made to this contract without prior approval of Central Purchasing.

B.17. Supplier Invoices

B.17.1. The Supplier shall be paid upon submission of proper certified invoices to the ordering agency at the prices stipulated on the contract. Invoices shall contain the contract number and purchase order number. Failure to follow these instructions may result in delay of processing invoices for payment. The Company or Corporation submitting a proposal shall be the only office authorized to receive orders, invoice, and receive payment. If the Supplier wishes to ship or provide service from a point other than the address listed on the face of the RFP, the Supplier will furnish a list of these locations. No ordering or invoicing will be done at these locations.

B.17.1.1. Invoicing shall be made in accordance with the instructions of the agency or division issuing the purchase order.

B.17.1.2. If you are paid more than 45 days after submitting a proper invoice, you may be entitled to claim an interest penalty. Contact the Office of Management and Enterprise Services for a copy of the regulations.

B.17.1.3. In cases of partial delivery the state agency may make partial payment, dependent on the dollar value, or hold all invoices for final delivery to be completed.

B.17.1.4. See A.18 for further invoicing information.

B.18. State Purchase Care (P-Card)

B.18.1. SUPPLIERS PLEASE NOTE – IN ORDER TO BE CONSIDERED FOR AWARD, SUCCESSFUL SUPPLIERS MUST ACCEPT THE STATE OF OKLAHOMA PURCHASE CARE (P-CARD). FAILURE TO ACCEPT THE P-CARD WILL BE CAUSE FOR REJECTION OF YOUR PROPOSAL.

B.18.2. SIGNATURE OF ACCEPTANCE: _____ **DATE:** _____.

B.19. State and Federal Taxes

B.19.1. Purchases by the State of Oklahoma are not subject to any sales tax or Federal Excise tax. Exemption certificates will be furnished upon request.

B.20. Oral Agreements

B.20.1. No oral statement of any person shall modify or otherwise affect the terms, conditions, or specifications stated in the RFP or the resultant contract. All modifications to the contract must be made in writing by Central Purchasing.

B.21. Minor Deficiencies or Minor Informalities

B.21.1. "Minor deficiency" or "minor informality" means an immaterial defect in a proposal or variation in a proposal from the exact requirements of a solicitation that may be corrected or waived without prejudice to other Suppliers. A minor deficiency or informality does not affect the price, quantity, quality, delivery, or conformance to specifications and is negligible in comparison to the total cost or scope of the acquisition.

B.21.2. The State Purchasing Director may waive minor deficiencies or informalities in a proposal if the State Purchasing Director determines the deficiencies or informalities do not prejudice the rights of other Suppliers, or are not a cause for proposal rejection.

B.22. Electronic Submission

B.22.1. All submissions should be submitted to Central Purchasing on electronic media in accordance with Section E.1 of the RFP. Submissions will not be accepted via email or hard copy. This term overrides any terms in Section A requiring submission of hard-copy.

B.23. Draft Invoice

B.23.1. NOTE TO SUPPLIERS: The State of Oklahoma is working to streamline the process of payment to suppliers and to reduce the timeframe of payment. When submitting your response, please also include a draft invoice (that is like your original invoices) with the item(s) and pricing. Please make sure that it is marked as "Draft Invoice". The intent of this is to match our purchase orders to an invoice whenever possible; however, unless there is some overriding reason for a marked difference, the invoice should closely match the RFP items and pricing. Please note that if your company is awarded and issued a purchase order, you will still need to submit a proper invoice after the purchase order has been issued and you have provided the item(s)/services(s) to the agency. Also, please be sure and put in bold letters "THIS IS NOT A BILL" in addition to marking it as a draft invoice.

C. SOLICITATION SPECIFICATIONS

C.1. Introduction

- C.1.1. The State of Oklahoma, Office of Management and Enterprise Services, Central Purchasing (OMES-CP) is releasing an Request for Proposal (RFP) for a catalog contract for Firefighter's Equipment. For the purposes of this contract, Firefighter's Equipment is anything the firefighter wears, carries, or uses to do their job with the exception of anything that remains attached to a vehicle.
- C.1.2. **Please Note: This does not include fire hoses. Fire hoses are available from SW001 State Use Procurement Schedule, Contract ID # 3532. The supplier is Newview Oklahoma, Inc. (ID # 0000056253).**

C.2. Scope

- C.2.1. The Supplier will provide the entire portfolio of quality Firefighter's Equipment in a timely and efficient manner. This RFP is being conducted using a discount-off Manufacturer Suggested Retail Price (MSRP). For evaluation purposes, Suppliers are required to complete Attachment A, Cost Workbook.
- C.2.2. The State intends to establish one or more contracts to satisfy the requirements of products listed in this solicitation. The State may opt to award any given section of a category to one of more Suppliers, award any category to one or more Suppliers, or it may award all categories to one Supplier. In the best interest of the State, the State reserves the right to add additional Suppliers at any time to ensure complete coverage to Authorized Users.
- C.2.3. Both resellers/distributors and manufacturers are invited to respond to this RFP. Suppliers are to indicate if they are resellers/distributors or manufacturers.
- C.2.4. Most products listed refer to NFPA 1971 or NFPA 1971-2013. NFPA 1971 protects firefighting personnel by establishing minimum levels of protection from thermal, physical, environmental, and bloodborne pathogen hazards encountered during structural and proximity firefighting operations. NFPA 1971-2013 is a revision to some of the items listed in NFPA 1971.

C.3. Purchasing Process and Pricing

- C.3.1. Authorized Users will place their own orders with the Supplier. After Contract award, Supplier will interact with Authorized Users on a day-to-day basis for specific issues relating to delivery timeliness, product quality, returns, and similar concerns. Contract Administrator, Linda Lechtenberg, will be responsible for managing price changes, market basket modifications, and overall contract management, including addendums and Contract performance.
- C.3.2. There are three categories in this RFP. The first category is Attachment B - Firefighter's Equipment - Station Wear, the second category is Attachment C - Structural Firefighter's Equipment, and the third category is Attachment D - Wildland Firefighter's Equipment. Each of these attachments lists example products; however, additional products can be purchased off the resulting contract. The brands listed are examples of the types of products needed and the listed specifications should be considered reference specifications for those products. The Supplier's products should meet or exceed those specifications.
- C.3.3. Suppliers submitting a proposal for Firefighter's Equipment are to propose costs for Categories 1, 2, and 3 listed in Attachment A, Cost Workbook. Suppliers are to list their percentage discount off the manufacturer's list price for each example type of product in the % discount section. Attachment A will be utilized for evaluation purposes.
- C.3.4. The awarded Supplier(s) are required to provide data collection, reporting, and distribution of Firefighter's Equipment to the Authorized Users.

C.4. Contract Manager

- C.4.1. The Supplier will provide a Contract Manager that will work with the Contracting Officer to fully implement and manage the contract.
- C.4.2. The Supplier will work closely with subSuppliers (if applicable) to fully implement and manage the contract.
- C.4.3. The Supplier shall make available to the Contracting Officer, technically competent personnel to accomplish the tasks and deliverables for the implementation and management of the contract. In addition, the Supplier will have a customer service unit that is dedicated to this contract to respond to user inquiries.
- C.4.4. The Supplier must notify the Contracting Officer of any Contract Manager change in writing within 10 calendar days of the change.
- C.4.5. The Supplier shall promptly notify the Contracting Officer in writing of any unresolved issues or problems that have been outstanding for more than five (5) working days.
- C.4.6. The Supplier must include the name and contact information of the individual who will be the Contract Manager for the term of the contract. The Contract Manager will be responsible for operation and administration of the contract

by the Supplier. The Contract Manager must respond in a timely manner and in writing unless instructed otherwise, to all information requests from the Contracting Officer.

- C.4.7.** The Contract Manager shall, upon request attend meetings (in person or by conference call) at Central Purchasing or at other sites, as requested and determined by the Contracting Officer. The Contract Manager will be responsible for reports required by the contract and to serve as liaison between the Supplier and Central Purchasing and any other Authorized User. The Contracting Officer may require the Supplier to relieve the Contract Manager from work on this contract, if in the Contracting Officer's opinion, it is apparent that the Contract Manager does not deliver work that conforms to performance standards outlined in this RFP.

C.5. Contract Manager's Job Duties

- C.5.1.** It is desirable that the Contract Manager's duties include, but not be limited to the following:

- C.5.1.1.** Communications with the Authorized User's personnel to discuss any shortages and needed substitutions.
- C.5.1.2.** Meet with any Authorized User's personnel to discuss any areas of concern as needed.
- C.5.1.3.** Be available to demonstrate to the Contracting Officer and to the Authorized Users' personnel new products available on the market.
- C.5.1.4.** Maintain and update the market baskets and master price lists/catalogs and review with and distribute to the different Authorized Users on an ongoing basis.
- C.5.1.5.** Handle all complaints and maintain a log of the complaints and resolutions. Handle all requests from the Authorized Users/Contracting Officer for inquiries about products.
- C.5.1.6.** Issue credit memos and arrange for return of incorrectly shipped or deficient products.
- C.5.1.7.** Resolve any problems and/or discrepancies with the order/delivery schedules.
- C.5.1.8.** Coordinate with the Contracting Officer any rebate programs or special pricing promotions which have been offered from manufacturers.
- C.5.1.9.** Work in conjunction with the Contracting Officer in doing research and making recommendation for product changes to better meet the needs and challenges of the State of Oklahoma.
- C.5.1.10.** Present and discuss cost reduction ideas on a regular basis.

C.6. Service Level Requirements and Expectations

- C.6.1.** Mandatory Service Level Requirements

- C.6.1.1.** This section of the document contains Mandatory Service Level Requirements that the successful Supplier is required to meet at NO extra charge. Suppliers are required to indicate any inability to provide the Mandatory Service Level Requirements (as defined in the remainder of this section of the document). **Suppliers who cannot meet Requirements C.6.1.2 through C.6.1.6 may be disqualified on the grounds of non-responsiveness.**
- C.6.1.2.** For all products sold, Supplier must be an original manufacturer, authorized distributor, or dealer authorized by manufacturer. If requested, Supplier must be able to identify an account number with the manufacturers they represent.
- C.6.1.3.** Each product sold will have a minimum of manufacturer's standard warranty.
- C.6.1.4.** Proposed pricing will remain fixed for the first twelve (12) months of the contract. Requests for additional increases in pricing for contract items will be limited to once a year.
- C.6.1.5.** If any prices fluctuate between the time of order and delivery, Supplier shall charge the prices in effect as of the order date.
- C.6.1.6.** The Supplier will not invoice service fees or additional costs to the Authorized Users during the term of the contract. For instance, there will be no small order, minimum order, special order, shipping (except Rush delivery as specified C.6.2.11.1), hazardous materials, pallet, or fuel charges or surcharges.
- C.6.1.7.** Delivery to End Users: Authorized Users are located throughout the State, both within and outside of major metropolitan areas. Whenever possible, Authorized Users will work with the Supplier to develop regular delivery schedules. All deliveries must be made on days and times acceptable to Authorized Users.
- C.6.1.8.** Suppliers are to indicate the number of business days after receipt of order for standard orders.
- C.6.1.9.** Suppliers are to indicate the number of business days after receipt of order for rush orders.
- C.6.1.10.** Acceptable hours for deliveries may vary by location. It is Supplier's responsibility to determine the acceptable delivery times and packing requirements for each customer at the time the first orders are placed.

C.6.2. Desirable Service Level Expectations

- C.6.2.1.** This section of the document contains Desirable Service Level Expectations that the Supplier is expected to perform at NO extra charge. **All Mandatory Requirements listed in Section C.6.1 supersede the Desirable Service Level Expectations listed below.** Suppliers are required to indicate any inability to provide the Desirable Service Level Expectations (as defined in the remainder of this section of the document) by indicating as such in response submittal. In addition, Suppliers are required to propose alternatives to Desirable Service Level Expectations that cannot be met.
- C.6.2.2.** Response Time: The Supplier should respond to all communications no later than one business day. Supplier's failure to respond within one business day may result in the assessment of liquidated damages in the amounts determined in Section C.6.2.33.
- C.6.2.3.** Fill Rate: The Supplier should maintain a Fill Rate of 98%. The fill rate will be calculated by dividing the number of line items delivered on time by the number of line items ordered for delivery during that month and multiplying the result by 100 to arrive at the percent (%) fill rate. Approved and accepted substitutions shipped and delivered on first fill will not count against fill rate; disapproved or denied substitutions or substitutions not delivered on first fill will count against fill rate. Supplier's failure to maintain a Fill Rate of 98% may result in the assessment of liquidated damages in the amounts determined in Section C.6.2.33.
- C.6.2.4.** Invoice Accuracy: The Supplier should strive to achieve invoice accuracy of 100%.
- C.6.2.5.** Delivery Standards: After award and when an order is placed, the Supplier and the Authorized Users should contact each other to set up the delivery schedule. Supplier should accommodate any required delivery frequencies, days and times, and should make every effort to accommodate Authorized Users' preferences, as stated in this document or communicated subsequent to the RFP.
- C.6.2.5.1.** The Supplier should make deliveries on dates and times acceptable to Authorized Users. If a regular delivery day falls on a State holiday, Authorized Users and Supplier may determine an alternate date.
- C.6.2.5.2.** The Supplier should deliver the products by the delivery date specified in any executed Attachment, Appendix, or Order referencing the Agreement. The Supplier should ensure delivery date standards are met 97% of the time.
- C.6.2.5.3.** Some Authorized Users require inside delivery. Supplier should unload products and deliver to specified interior locations at no additional charge, if the Authorized User requires inside delivery. To expedite delivery, Supplier's delivery trucks should be equipped for varying dock heights.
- C.6.2.5.4.** Deliveries should be complete by the delivery date noted on the order, unless otherwise modified by mutual consent of the Authorized User and Supplier. Should an emergency situation occur, causing a delivery to be delayed until after Authorized User's normal delivery hours, Supplier should contact the Authorized User by phone no less than one (1) hour before the end of Authorized User's normal receiving time for late delivery approval.
- C.6.2.5.5.** Supplier is responsible for rescheduling delivery to a time acceptable to the Authorized User at no charge. If there is no mutually acceptable date and time to reschedule, or if a late delivery means the Authorized User should need to procure products elsewhere, the Authorized User may cancel all or a portion of the late delivery at no charge.
- C.6.2.5.6.** Poor planning by the Supplier does not constitute an emergency, nor do delays caused by other customers on a delivery route. Authorized User will have final determination of whether or not to accept late deliveries.
- C.6.2.6.** Non-Delivery: After notification of impending short or out-of-stock items, the Authorized User may cancel the balance of incomplete deliveries without penalty. Authorized User may purchase shorted items that cannot be supplied by the Supplier by date required elsewhere.
- C.6.2.7.** Overall Customer Satisfaction: Supplier should develop a plan to conduct a quarterly survey of end-users to determine the level of customer service satisfaction experienced by Authorized Users, and should conduct such a survey upon request from the Contracting Officer. Both the raw and analyzed survey results should be provided to the Contracting Officer. The following includes some of the areas to be measured on the survey: Responsiveness, Communication, Courtesy, Competence, Effectiveness, and Overall Satisfaction.
- C.6.2.8.** Ordering Methods: Suppliers should have a local Oklahoma telephone number or a toll free (800) number. Each Authorized User will be responsible for placing its own orders, which may be accomplished by written purchase order, telephone, fax, or computer on-line systems. The State encourages Suppliers to have online ordering capabilities, such as a dedicated website, to facilitate online orders. In the response, please include screenshots of the relevant web interface.

- C.6.2.9.** Payment Options: Authorized Users will pay the Supplier by check, electronic funds transfer, or with the State's authorized P-card.
- C.6.2.10.** Freight Policy: All shipments should be F.O.B. Destination to the specified location, with inside delivery if requested. Supplier is responsible for filing and expediting all freight claims with the carrier. The Supplier should pay title and risk of loss or damage charges.
- C.6.2.11.** Rush Delivery: Respondents should be able to provide Rush Delivery to Authorized Users within a 24 hour window. Explain your rush delivery capabilities in your response.
- C.6.2.11.1.** Emergency/rush delivery requiring special shipping and handling will be at Authorized Users' expense (with prior approval from the Authorized User). Rush delivery that occurs as a result of the Supplier's error will be at no additional cost.
- C.6.2.12.** Shipping: The State is committed to recycling and reuse of packaging materials. Some Authorized Users may also require shrink wrapping. Authorized Users will inform Supplier of any such requirements.
- C.6.2.12.1.** All hazardous materials should be shipped per all Federal and State regulations.
- C.6.2.12.2.** All products should be shipped in a manner which will enable the receiving person(s) to easily check the shipment with the invoice. All individual units of measure (such as cases, rolls, pallets etc.) should have a clearly visible "vendor product label" containing the Supplier's product number, manufacturer product number, and quantity per unit of measure.
- C.6.2.12.3.** Suppliers are also requested to provide the number of cases of similar items if possible. (e.g. if 5 cases of pants, then label should indicate case 1 of 5, case 2 of 5 and so on.)
- C.6.2.12.4.** A packing slip should also be included with each shipment which should include the customer/authorized user account number, customer/authorized user name (constituency description), customer/authorized user address, ship date, purchase order number (or purchase method and user name if there is no purchase order), Supplier product number per line item, line item description, quantity ordered, quantity included in the shipment, unit price, and any back ordered items.
- C.6.2.12.5.** Any shipping containers which are not properly marked as per these instructions may be cause for rejection.
- C.6.2.13.** Return of Product: Any materials delivered in poor condition, in excess of the amount authorized by the requisition form or not included on the requisition form or purchase order may, at the discretion of the Authorized Users, be returned to the Supplier at the Supplier's expense within 30 days. Credit for returned goods shall be made immediately once the Supplier receives the returned goods.
- C.6.2.13.1.** If any product is returned to a Supplier for failure of performance, the Supplier will, at the State's discretion, refund all amounts paid to the Supplier for such product or replace the product.
- C.6.2.13.2.** Within twenty (20) days of written notification by the Authorized User, the Supplier should make arrangements for the return of the product.
- C.6.2.13.3.** The Supplier should bear all shipping and insurance costs.
- C.6.2.13.4.** Supplier should be liable for damages to the product, unless caused by fault or negligence of the Authorized User that occur during the return process.
- C.6.2.13.5.** Please describe your return policy in detail.
- C.6.2.14.** Returns due to User Error: Supplier should provide for return of unopened items ordered in error for up to 30 calendar days from delivery.
- C.6.2.14.1.** For all returns of unopened items or returns due to user error, returns should be provided free-of-charge as long as they occur at a regularly-scheduled delivery time. Otherwise, Authorized Users should be responsible for all costs associated with the preparation of the product for shipping, and all shipping costs to the Supplier's nearest service location for such returns. No additional charges are allowed, including restocking fees.
- C.6.2.14.2.** Supplier should issue a credit to Authorized User's account as soon as items have been received by the Supplier.
- C.6.2.15.** Post-Order Customer Service: The Supplier should provide each of the designated Authorized Users a single point of contact (and a backup) to handle questions and resolve problems that arise. At least one Customer Service Representative should be available during standard business hours in the Central time zone, regardless of the time zone where Supplier is located. All service representatives should have access to information to provide immediate response to inquiries concerning the status of orders

(shipped or pending), delivery information, back-order information, statewide contract pricing, contracted product offerings/exclusions, contract compliance requirements, and general product information. Representatives should be available by email, fax, or phone (local or 800 number).

- C.6.2.16.** Price Verification: The Supplier should be able to provide manufacturer price lists and its own list price lists at the State's request in order for the State to verify all pricing. The Supplier should have its own auditing system to verify that correct pricing is being offered to the State. In addition, the State reserves the right to audit Supplier records in order to identify discrepancies. If discrepancies are found, at a minimum, the Supplier will refund the State the difference and may be subject to other legal remedies.
- C.6.2.17.** Respondents should offer all rebates and special offers (including commercial and consumer offers) made available by the manufacturer, in addition to contracted pricing.
- C.6.2.18.** Quality Assurance and Warranty Guarantee: The Supplier should guarantee its products to be free from defects in materials and workmanship, given normal use and care, over a minimum of the manufacturer's warranty period. The Supplier should agree to repair and/or immediately replace without charge (including freight both ways) to Authorized Users any product or part thereof that proves to be defective or fails within the warranty period as specified.
- C.6.2.19.** Product Availability: The State should not allow any cancellation of example Cost Workbook products without an equal and acceptable replacement approved by the Contracting Officer. (Please note: the brands listed in the Cost Workbook may not be the brands awarded and are listed only to establish example product specifications and for evaluation purposes. The brands awarded on this contract may be alternate brands with equal to specifications.) Suppliers should communicate manufacturer's discontinuation of any products to the Contracting Officer in writing within five (5) business days of notification by manufacturer. In such instances, Suppliers should work with the Contracting Officer to identify and implement alternative options that will maintain or reduce costs associated with the replacements. Suppliers should be prepared to offer detailed quarterly reports if requested by the State, displaying removed products and their suggested replacements. Suppliers should offer suggested replacements of discontinued products at least 30 days prior to substitution, including replacement product number, description, and final price.
- C.6.2.20.** Notification of Back Orders: Please describe in detail your back order notification procedures.
- C.6.2.21.** Emergency Product Substitutions and Out-of-Stock Items: If necessary to complete a shipment on time, Supplier may request a product substitution. The product substituted should be of equal or larger quantity, equal or better quality and/or grade, at no additional cost, and the Authorized User should accept the substitution in writing (email is acceptable) prior to delivery. Invoices shall denote all items and quantities as ordered. Any shorted items shall be noted as "out-of-stock."
- C.6.2.22.** Receiving Procedures and Order Inspection: State personnel may inspect and verify deliveries. Products may be matched against the packing slip and order specifications. Authorized Users may identify and reconcile delivery discrepancies of quantity or quality after delivery. Product delivered will also be inspected at time of use and is subject to refusal/return for issues of quality.
 - C.6.2.22.1.** Any cases damaged during loading or delivery will be rejected. Supplier should replace with like or acceptable product at no charge within two business days of notice.
 - C.6.2.22.2.** When receiving deliveries, Authorized Users may inspect each item at the time of receipt and note any count discrepancies and visible damage on the Supplier's packing slip.
 - C.6.2.22.3.** Discrepancies or damages noted should be initialed by the Supplier's delivery agent.
 - C.6.2.22.4.** If, upon inspection at the time of receipt, products are found to be in unacceptable condition, Authorized User may refuse delivery and note reason on delivery receipt. Supplier's delivery agent shall initial any such notes.
 - C.6.2.22.5.** When satisfied that the shipment is in proper order and/or all discrepancies have been properly noted and initialed, the receiving person shall sign the Supplier's packing slip and retain a copy for their records.
 - C.6.2.22.6.** Authorized Users reserve the right to reject all or part of a delivery.
 - C.6.2.22.7.** Supplier should allow ample time for these procedures at each delivery location.
- C.6.2.23.** Invoice Requirements: All invoices should reflect the prices and discounts established for the items on this contract for all orders placed by Authorized Users.
 - C.6.2.23.1.** Before payment is made, the State will verify that all invoiced charges are correct as per the Contract(s). Only properly submitted invoices will be officially processed for payment. Prompt payment requires that your invoices be accurate, clear, and complete in conformity with the instructions below.

- C.6.2.23.2.** All invoices must be itemized showing the Supplier name, remit to address, purchase order number (or purchase method and user name, if there is no purchase order), invoice number, release number if given, date of order/release, item manufacturer's name or abbreviation (if applicable), complete item description, unit of measure, quantity per unit of measure, manufacturer's product number, Supplier's catalog and/or stock numbers, contract price, quantity shipped, extended prices, shipping charges (if applicable), discounts, agency name or purchaser name, account number, and the invoice total.
- C.6.2.23.3.** Supplier should provide original invoice and requested number of copies to the designated accounts payable representative(s) or address(es) for each Authorized User.
- C.6.2.23.4.** Each invoice should contain only those products covered by the purchase order or other purchase method designated on that invoice. Invoices that have pricing other than approved contract pricing will not be considered valid invoices.
- C.6.2.24.** Complaint Resolution Procedure: The Supplier should have a robust complaint resolution procedure and a clear hierarchical path a complaint takes. Please describe in detail.
- C.6.2.25.** Contract Usage: Responses should cover requirements during the specified period for all State Departments, Boards, Commissions, Agencies and Institutions.
- C.6.2.26.** Supplier's Representative: Supplier's representative should be available to meet at least quarterly with the Contracting Administrator who request it, in order to discuss contract concerns. Supplier's representative should be available upon request of the Contracting Administrator to evaluate contract implementation and performance, and to identify continuous improvement opportunities or market changes.
- C.6.2.27.** Catalogs: Supplier should have searchable web based catalog(s) and deliver hard copies, CD-ROM, or electronic media copies of the most current catalog to each Authorized User upon request. When a new catalog is issued, the Supplier should provide Contracting Officer with an electronic copy of that catalog within five (5) business days of publication. Please note (see E.2.4): When submitting their response, Suppliers are to submit the URL of their searchable web based catalog(s) or the searchable CD-ROM of their catalog(s).
- C.6.2.28.** Marketing: Supplier should assist the Contracting Officer in preparing marketing tools to promote the contract relationship, but be aware that inappropriate marketing communications sent directly to Authorized Users will not be permitted. All marketing materials should be approved in advance by the Contracting Officer. Supplier should arrange for product demonstrations, product literature, and other informational support when requested by the Contracting Officer. Please describe in detail your marketing approach.
- C.6.2.29.** Training: Supplier should provide any necessary training for Authorized Users on, at a minimum, the following topics: catalog access, order placement, and invoice processing. All training shall be coordinated through the Contracting Officer or Authorized Users. Please describe in detail your approach.
- C.6.2.30.** Shipments should be made using vehicles owned and/or managed by the Supplier or by common carriers with parcel tracking abilities.
- C.6.2.31.** In-Store Purchases: If the Supplier operates or has special arrangements with brick-and-mortar stores in the State of Oklahoma, the Supplier should extend contract pricing for in-store purchases. The Supplier will be expected to formulate a method to identify an Authorized User as such so that contract pricing will be made available for in-store purchases during check out. Please describe this in detail.
- C.6.2.32.** Geographic Coverage: The State expects the Supplier to provide services in as many parts of the State of Oklahoma as possible. In the response, the Supplier should indicate the parts of the State that they can serve:
 - C.6.2.32.1.** Southwest Oklahoma (defined as areas south of I-40 and west of I-35).
 - C.6.2.32.2.** Southeast Oklahoma (defined as areas south of I-40 and east of I-35).
 - C.6.2.32.3.** Northwest Oklahoma (defined as areas north of I-40 and west of I-35).
 - C.6.2.32.4.** Northeast Oklahoma (defined as areas north of I-40 and east of I-35).
- C.6.2.33.** LIQUIDATED DAMAGES: The State desires to contract with a vendor who clearly demonstrates its willingness to be held accountable for the achievement of certain performance measures in successfully delivering services under this Contract. Therefore, the State has developed the following Key Performance Metrics (KPM) which shall be used to measure Supplier's performance and delivery of services.
 - C.6.2.33.1.** Note: the Supplier shall comply with all contract terms and conditions upon execution of the contract.

- C.6.2.33.2.** Reporting, response time, and fill rate are the KPMs deemed most crucial to the success of the overall desired service level. The Supplier shall ensure that the stated KPMs are met. When such standards are not met, liquidated damages may be assessed by the State. Liquidated Damages shall be paid upon the Supplier's receipt of notice from the State of the amount of the assessment by crediting the mutually accepted assessment amount from the Supplier's next invoice to the affected Authorized User.
- C.6.2.33.3.** In the response, Suppliers are asked to propose liquidated damages for each instance when the KPMs are not met as listed below. Further, Suppliers are asked to add more KPMs and liquidated damages, as applicable.
- C.6.2.33.4.** Reporting: For each week after the required date (see B.11) for which an accurate and complete usage report has not been received from the Supplier, the Supplier may be assessed liquidated damages. For the second occurrence that the Supplier fails to timely provide an accurate and complete usage report, liquidated damages may be assessed per week that the report is overdue. For the third occurrence that the Supplier fails to timely provide an accurate and complete usage report, liquidated damages may be assessed per week that the report is overdue.
- C.6.2.33.5.** Response Time: If the Supplier does not respond to all communications within 1 business day, the Supplier may be assessed liquidated damages for each day after the 1-business day requirement.
- C.6.2.33.6.** Fill Rate: If the Supplier does not maintain a fill rate of 98% each month for every Authorized User, the State may impose liquidated damages. The damages are by Authorized User per month.

C.7. State Responsibilities

- C.7.1.** Contracting Officer will work with the Supplier's Contract Manager to fully implement and manage the contract.
- C.7.2.** The Contracting Officer is the contact person for issues relating to this contract.
- C.7.3.** The Authorized User is responsible for reviewing and approving the deliverables.
- C.7.4.** Authorized Users will ensure the Supplier has proper access to the appropriate areas for deliveries pertaining to this contract.
- C.7.5.** The Contracting Officer will review and approve implementation plan.
- C.7.6.** The Contracting Officer reserves the right to review Supplier's outreach marketing material.

D. EVALUATION

- D.1.** This contract will be awarded by the best value method.
- D.2.** Evaluation factors will include:
 - D.2.1.** Cost. See C.3, Section H, and Attachment A, Cost Workbook.
 - D.2.2.** Response to the requirements listed in Section C. See C.2.3, C.4.6, C.6.1 (including C.6.1.2 through C.6.1.6, C.6.1.8, and C.6.1.9), C.6.2.1, and other areas in C.6.2 requiring detailed responses (including C.6.2.8, C.6.2.11, C.6.2.13.5, C.6.2.20, C.6.2.24, C.6.2.27, C.6.2.28, C.6.2.29, C.6.2.31, C.6.2.32, and C.6.2.33.2).
 - D.2.3.** References. See E.2.7.
 - D.2.4.** Prompt Payment Discounts. See A.18.3.

E. INSTRUCTIONS TO BIDDER

E.1. Response Format

- E.1.1.** Supplier is to submit one (1) complete copy of their response on a CD which includes the completed proposal including the scanned images of the required OMES signed forms. Also, the Supplier's URL for their searchable catalog is to be listed on that CD or their searchable catalog(s) is to be submitted on a separate CD. CD(s) must be unprotected documents. Original hard copies are not required. Faxed or emailed responses will not be accepted. Please mark the CD's with the company name, solicitation number, and closing date. This requirement supersedes the hard copy requirement listed in A.2.4.
- E.1.2.** Supplier is to submit their response copies to the OMES, Central Purchasing address listed on the front page of this solicitation.
- E.1.3.** Please ensure that your Discs are marked clearly with the RFP Number.

E.1.4. PDF is an acceptable format for solicitation responses. This overrides requirements of A.2.4.

E.2. Response Instructions

E.2.1. Suppliers are to complete the Responding Bidder Information Form and supply any required information listed in that form.

E.2.2. Suppliers are to complete the Non-Collusion Form.

E.2.3. The Supplier's response is to contain any required responses listed in Section C.

E.2.4. When submitting their response, Suppliers are to submit the URL of their searchable web based catalog(s) or the searchable CD-ROM of their catalog(s).

E.2.5. The Supplier's response is to contain any required responses listed in Section H.

E.2.6. The Supplier's response is to contain the responses listed in Attachment A, Cost Workbook.

E.2.7. Suppliers are to submit three references. Include the reference business name and a contact person. Include the contact person's phone number, fax number if available, and email address.

E.2.8. Suppliers are to respond to Section B.6.

E.2.9. Suppliers are to provide their signature and date on B.18.

E.2.10. Suppliers are to submit a draft invoice.

F. CHECKLIST

F.1. **Responding Bidder Information Form.**

F.2. **Non-Collusion Form.**

F.3. **Attachment A, Cost Workbook.**

F.4. **Draft Invoice.**

F.5. **Other solicitation response requirements.**

G. OTHER

G.1. Question Submittal

G.1.1. All questions regarding this solicitation must be submitted in writing and are to be emailed no later than **January 20, 2017 at 11:00 a.m.** Central Daylight Time. Questions are to be emailed to Linda.Lechtenberg@omes.ok.gov. Questions received after this date will not be answered. If any questions are received, an amendment to this solicitation will be posted on our website after this deadline listing all questions received and their answers. In addition, suppliers will be notified the amendment is on our website. Any communication regarding this RFP must be sent to the Contracting Officer listed above. Failure to do so (contacting the agency directly), may result in your proposal being deemed as non-responsive. Please be sure to reference the RFP number when emailing questions.

G.2. Attachments

G.2.1. Attachment A, Cost Workbook

G.2.2. Attachment B, Category 1 – Firefighter's Equipment – Station Wear

G.2.3. Attachment C, Category 2 – Structural Firefighter's Equipment

G.2.4. Attachment D, Category 3 – Wildland Firefighter's Equipment

G.2.5. Attachment E, Usage Report Template

H. PRICE AND COST

H.1. **Please note: This contract is for items the firefighter wears, carries, or uses to do their job. Pricing will be listed in Attachment A, Cost Workbook.**

H.2. **Suppliers are to complete the D, E, F, G, and H of Category 1 – Firefighter's Equipment – Station Wear, Category 2 – Structural Firefighter's Equipment, and Category 3 – Wildland Firefighter's Equipment in Attachment A, Cost Workbook.**

- H.3. Suppliers are to list their percentage discount off the manufacturer's list price for each type of product listed in % Discount in Attachment A, Cost Workbook.**

Attachment A, Cost Workbook

Attachment A is separate Excel document posted with this solicitation.

Attachment B

Category 1 – Firefighter's Equipment – Station Wear

Example Shirts

5.11 Tactical Poly/Cotton Fleece ¼ Zip Shirt

11.6 ounce poly-cotton twill fleece.
5.11 Tactical's own stain resistant finish.
Chest Breakthrough™ pocket with VELCRO® divider.
Handwarmer pockets on both sides.
Mic pockets at both shoulders.
Pen pockets on left sleeve.
Secure cuffs and hem.
No-roll collar with locker loop on inside.
YKK® zipper hardware.
Accepts embroidery and silk screening well.
Water Repellent Storm Fleece ¼ Zip Shirt.

5.11 Tactical Water Repellent Storm Fleece 1/4 Zip Job Shirt

100% water repellent.
Fade, shrink, and wrinkle resistant.
Chest breakthrough pocket with hook and loop closure.
Side seam hand warmer pockets.
Mic clip pockets at shoulders.
Pen pockets on left sleeve.
Secure cuffs and hem.
1/4 zip front.

5.11 Tactical Men's ¼ Zip Shirt with Canvas Collars and Elbows

11.6 ounce poly-cotton twill fleece.
5.11 Tactical's stain resistant finish.
Traditional canvas details for a timeless look and feel.
Chest Breakthrough™ pocket with VELCRO® divider.
Handwarmer pockets on both sides.
Mic pockets at both shoulders.
Pen pockets on left sleeve.
No-roll collar with locker loop inside.
YKK® zipper hardware.
Secure cuffs and hem.
Accepts embroidery and silk screening well.

Game Sportswear 870-T The Firefighter's Zip Job Shirt

20 oz. 95% cotton/5% polyester super weight fleece.

Zip turtleneck.
Set-in sleeves.
Knit cuffs and bottom band.
Brass zipper.
Side seam pockets.
9" right chest radio pocket.
Made in the USA.

5.11 Tactical, Tactical SS Polo Shirt

6 oz. 100% Cotton Jersey.
Tough melamine buttons.
No Roll Collar.
Mic-loop pockets located at each shoulder and placed at the bottom of the placket at the sternum level.
Reinforced dual pen pockets.
Accepts embroidery and silk screening.
Fade, shrink, and wrinkle resistant.

5.11 Tactical Professional Long Sleeve Polo Shirt

6.8 oz. – 100% Cotton Pique to prevent fading, wrinkling and shrinking.
Tough melamine buttons.
No Roll Collar with flexible collar stays.
Reinforced dual pen pockets on left sleeve.
Accepts embroidery and silk screening well.
Long Sleeve.
Assorted colors.
Tall sizing adds two inches to the length.
Fade, shrink, and wrinkle resistant.

Propper Men's I.C.E. Integrated Cooling Effect Performance Polo

The fabric is a 90% Polyester/10% Spandex blend that includes an advanced 6-channel wicking fiber that broadens the surface area pulling moisture away from the body and drying quickly to keep you cool and comfortable.
Propper I.C.E.™ Integrated Cooling Effect technology is engineered into the fibers so it won't wash out.
Dries 125% faster than cotton and 30% faster than traditional polyester.
Gusseted mesh underarm increases ventilation and range of motion.
Durable fabric stands up to intense activity and resists fading, wrinkling and pilling.
DuPont® Teflon™ fabric protector repels stains and liquids.
Microphone clips on both shoulders and sunglass clip under placket.
Hidden collar stands.
Longer tail in back keeps shirt tucked in.

LION StationWear, Bravo Short Sleeve Uniform Shirt, Poly/Cotton

4.5 oz/yd. 65% poly/35% cotton plain weave navy fabric.
Fully cured for permanent press.

Easy to maintain.
Maintains shape even after multiple washings.
Seven-button dress front placket for professional appearance.
Five sewn-in military creases.
Box-pleated breast pockets with scalloped three-point flaps.
Flaps have hook and loop closures with decorative buttons.
Left pocket flap has slot for pencil/pen.
Interior sling badge holder reinforced from shoulder seam to reduce badge rip or sag.
Functional shoulder epaulets.
Fuse-banded dress collar stays straight and smooth.
Comfortable short sleeve style.

Fabric Performance

No flame resistance and will melt under high heat.
Moderate moisture gain.
Should not be considered where critical static control is required.
Requires at least "touch-up" ironing.
Very low shrinkage.
Good color fastness.
2-3 year estimated wear life.

5.11 Tactical, Taclite Pro Long Sleeve Shirt

4 oz., 65% polyester/35% cotton ripstop.
Teflon treated for stain, liquid and soil resistance.
Document pockets – may be hidden.
Pen pockets on left sleeve.
Double-reinforced elbow.

LION StationWear: Bravo Short Sleeve Uniform Shirt, NOMEX IIIA

4.5 oz/yd. NOMEX IIIA plain weave fabric.
Certified to meet NFPA 1975.
Fully autoclaved for permanent press appearance.
Easy to maintain.
Maintains shape even after multiple washings.
Seven-button dress front placket for professional appearance.
Five sewn-in military creases.
Box-pleated breast pockets with scalloped three-point flaps.
Flaps have hook and loop closures with decorative buttons.
Left pocket flap has slot for pencil/pen.
Interior sling badge holder reinforced from shoulder seam to reduce badge rip or sag.
Functional shoulder epaulets.
Fuse-banded dress collar stays straight and smooth.
Comfortable short sleeve style.

Fabric Performance - Nomex® IIIA

Aramid fiber manufactured by DuPont. Blend of 93% NOMEX, 5% KEVLAR, and 2% static dissipative fiber.

Inherently flame resistant.

FR cannot be degraded by laundering.

Char length less than 4".

Moderate moisture regain.

Should not be considered where critical static control is required.

Easy to maintain.

Very low shrinkage.

Color can change with overexposure to UV.

Estimated wear life is three to four years.

Elbeco: Textrop2 Ladies Choice Short Sleeve Shirt

Graded chest and waist dimension for flattering fit and increased movement.

Expanded chest and waist dimension for increased movement.

Armhole and sleeve shaped for more comfortable fit and appearance.

Graded body length for less bulk.

Increased hip sweep to fit a woman's body shape.

Stretch 100% textured polyester - tropical weave fabric.

Weight is 5-5.5 oz./sq. yd. - 9.5-10 oz./linear yd.

Machine washable.

Badge eyelets with internal support strap.

Melamine high impact buttons.

Removable button feature on pocket flaps and shoulder straps to accommodate metal buttons.

Two fully functional pleated pockets with scalloped flaps, hook and loop closure, and pen opening in both pockets and pocket flap.

Internal collar stays.

Cotton-blend lined inner yoke.

Three stitched-in military creases on shirt back and two on shirt front.

Cross-stitched shoulder straps with non-functional button for mic attachment (navy only), functional button (all other colors).

Nano Moisture Wicking technology captures and pulls fluids and perspiration away from the skin and spreads it over the fabric surface area for quick evaporation to keep you dry and comfortable.

Fabric: Stretch 100% textured polyester - tropical weave.

Utility pockets under each chest pocket with hook and loop closure.

Single-needle detailing for tailored professional appearance.

Fully-lined front placket with seven-button front.

Extra-long tails keep shirt tucked in.

Comm wire access openings in both side seams.

Top-fused convertible collar.

Flex Underarm Vent allows for body heat ventilation and increased mobility, available in short and long sleeve.

Elbeco: Ufx Performance Tactical Women's Polo

Short Sleeve.

4-way Xeede™ stretch and mobility.
Permanent moisture wicking, anti-microbial nanotechnology to reduce odor-causing bacteria.
UV 40+ protection.
Soft to the skin.
Excellent durability.
Color fastness through multiple washings.
7.25 oz./sq. yd.
Machine washable.
Dual hidden mic shoulder pockets and center mic loop so you can place your mic where you want it.
Melamine high impact buttons.
Tagless neck for no-scratch comfort; no-curl knit collar with collar stays for a professional appearance.
Extra-long body with side gusset panels for improved fit and mobility.
Available in short sleeve with hidden pen pocket on sleeve for easy access.
Comfort cut allows for wear over body armor.
Optional embroidery available.

Example Pants

TRU-SPEC: 24-7 Series, Poly-Cotton Ripstop Men's Pants

Designed for durability, full function and superior wearability.
Comfort and performance for almost any situation.
Tough, all-season Poly/Cotton Ripstop fabric.
Comfort Fit Slider Waistband accommodates paddle or ITP holsters without adjustable side tabs.
Deep and plentiful pockets designed for secure storage of professional and personal gear.
Rip-stop pants constructed from Teflon® coated 6.5 oz. 65/35 polyester/cotton ripstop fabric.
Unique pocket design and configuration for a completely casual appearance and secure storage for all your duty requirements or personal gear.
Comfort Fit Slider Waistband Construction comfortably accommodates either paddle style or inside-the-pants holster.
Extra deep front slash pockets can hide a pocket holster or hold a lot of gear.
Customized Tru-Spec® original Prym snap.
YKK® brass zipper.
Engineered dimensional fit.
Two knife/accessory pockets with stiff fusing interlining.
Two cargo pockets with hook & loop closures and bellowed side gussets.
Two internal magazine compartments in both cargo pockets.
Cell phone/magazine pocket.
Double reinforced knee with built in knee pad pockets.

5.11 Tactical: Women's Taclite EMS Pant

Lightweight 6.14 oz. poly-cotton Taclite™ ripstop fabric.
Treated with Teflon® for stain, soil and liquid stain resistance.
Comfortable, self-adjusting tunnel waistband that moves with you.
Inside of the waistband features gripper material to keep your shirt tucked in.
Gusseted crotch that allows freedom of movement and virtually eliminates seam failure.

Prym® snaps and YKK® zipper.

5.11 Double-Time™ belt loops - Extra-wide 1-1/2" belt loop with a thinner 3/8" loop on top of that to attach a radio strap or other accessories.

Full-size cargo pockets with internal dividers and external EMS-specific pockets.

Utility pockets at the calf.

Regular = 31" - Long = 35".

Two layers of fabric in the seat and knees for durability and quality.

Extra-deep front pockets.

5.11 Tactical: Women's EMS Pants

Superior fit, sits on natural waist.

7.25 Ounce Poly-cotton Twill.

Teflon® treated.

Self-adjusting tunnel waistband.

Two cargo pockets.

Rear web strap.

Full-size cargo pockets with internal dividers.

External EMS specific Pockets.

Tough Cuff hem.

Double-Time™ belt loops.

YKK® zippers.

Prym® snaps.

Two layers of fabric in the seat and knees for durability and quality.

Extra-deep front pockets.

5.11 Tactical: TDU Poly/Cotton Twill Pants

7.5 oz 65% polyester, 35% cotton twill.

Expandable comfort waist with reinforced waist band.

BBS cargo pockets with magazine keepers and hook-and-loop closures.

Double seat.

Teflon treated.

YKK zipper, Prym snap.

Rear utility pockets with hook-and-loop closures.

Triple-stitching and 45 bartacks for strength.

Removable twill blousing straps.

Available in sizes XS-4XL in Short, Regular, and Long lengths.

Example Belts

Boston Leather: 1-3/4" Garrison Belt

10-12 ounce, drum dyed full grain English Bridle leather.

Chrome or Gold Buckle.

Available in Plain or Basketweave.

Available in Leather or Clarino.

Boston Leather: 1-1/2" Belt

Made with same quality materials and superior craftsmanship as Boston Leather's duty belts.
10-12 ounce, drum dyed full grain English Bridle leather.
Chrome Buckle.
Available in Leather or Clarino with Plain Black or Basketweave finish, stitched or not stitched.

5.11 Tactical: TDU Belts - Polymer Buckle, 1.5" or 1.75"

All the strength and advantages of 5.11's 1.75" Operator Belts and 1.5" Trainer Belts; but, with a airport friendly, patent pending non-metallic, low profile buckle.

5.11 Tactical: Trainer Belt

Buckle features 6000 lbs. rating.
5.11's own low-profile solid-cut stainless-steel buckle with matte black finish.
Passes MILSPEC Rating.
Trainer belt features double-thick, 1 1/2" five-row stitched webbing provides plyable, yet firm support for belt-worn accessories.
Working end slanted for ease-of-use.

Example Hats

Flexfit: Acrylic-Wool Low Profile Cap

83% acrylic / 15% wool / 2% spandex.
Flexfit® stretches for comfort and shape retention.
Front crown with fused buckram backing.
Spandex woven into crown and sweatband for comfort.
3 1/2" crown height.
Available in various colors, sizes S/M or L/XL.

Flexfit: Woolly Combed Twill Fitted Hat

6-panel, mid-profile wool-like texture fitted cap.
Rounded athletic shape and fused hard buckram sewn into the front of the crown.
Silver under-visor.
Material: 63% Polyester / 34% Cotton 3% / Spandex.
Medium: 6 3/4" - 7 1/4".
Large: 7 1/8" - 7 5/8".
X-Large: 7 5/8" - 8".

True North: DragonWear Nomex Fleece, Double Shot Hat

All materials are inherently flame resistant and meet or exceed the NFPA 1977 (2005 edition) Standard on Protective Clothing and Equipment for Wildland Fire Fighting. Meets ASTM F1506.

Inherent Flame Resistance.
Outstanding Insulation.
Good Chemical Resistance.
Superior Thermal Protection.
Excellent Breathability.
Significant Stretch.
Single layer fleece construction on top.
Double layer fleece construction on side over ears.
Made in the USA.
Fleece Fiber Content – Nomex IIIA (93% Nomex®, 5% Kevlar®, 2% Carbon).
Fleece Fabric Weight – 14.4 oz. sq./yd.
Fleece ARC Rating (ATPV) – 18 c/cm.
Thread - 100% Nomex®.
Thread conforms to government specifications A-A-55217 and MIL-T-83193B.

Flexfit: Heavyweight Cuffed Knit Cap

100% hypoallergenic acrylic.
Approximately 12" long.
Super dense knit allows for easy embroidery.
Hand washable.
One size fits all.

Example Hat & Helmet Liner

NoSweat: Disposable Hat & Helmet Liner

Benefits:

- Keeps sweat out of your eyes & glasses.
- Reduces FOGGING in glasses, masks and eye protection.
- Prevents NASTY Sweat Stains on your LID.
- Reduces Odor.
- Sticks inside the front and/or back of any LID.
- Comfortable -- Thin, soft, and lightweight.
- Hypoallergenic -- Helps prevent acne & skin irritation.
- 100% AMERICAN MADE.

OSHA & ANSI Compliant.

Example Shoes/Boots

Thorogood: ASR Black Leather Slip-On Shoe

Available with or without Safety Composite Toe.
Black Full Grain Soft Leather/Black Action Leather Upper.
Cement Construction.

Moisture Wicking Comfort Weave Lining.
Super Comfort Polyurethane Removable Footbed/Insole.
Super Light EVA Midsole.
Engineered Composite Shank.
Super Slip Resisting Rubber Outsole.
100% Non-Metallic Construction.
Padded Collar and Tongue.
Electric Hazard Resistant.

Footwear meets or exceeds the ASTM F2913-11 SATRA Test Method TM144 Standard for slip resistance.
Tested for and meets CAN/CSA-Z195 ELECTRIC SHOCK RESISTANCE.

Haix Airpower R2 8" Station/EMS Boot with Crosstech, Men's, NFPA

Upper material is soft, supple waterproof leather; hydrophobic, breathable, 1.8 – 2.0 mm thick.
HAIX® Climate System Every step produces a pumping movement that literally blows moisture outside through air-permeable materials and larger air holes in the upper leg.
Provides excellent arch support which, when combined with the heel construction, holds and stabilizes your foot while allowing more freedom of movement in the forefoot area.
Heel bend improves ankle flexibility and increases freedom of movement while retaining ankle stability.
Reduces pressure on the Achilles tendon while kneeling and/or driving.
CROSSTECH® moisture barrier is waterproof, breathable, bacteria and chemical resistant, bloodborne pathogen resistant.
CROSSTECH® inner lining is 4 layers, with inner Cambrelle® lining especially abrasion resistant, softly padded with breathable foam.
Footbed is anatomically formed, quick change, machine washable insert with excellent moisture absorption and quick drying qualities.
Insole is anatomically formed Texon fleece absorbs moisture and supports ankle.
Foam is injected into the midsole to optimize shock absorption and insulate against temperature extremes.
Anatomically formed protective toe cap meets ASTM F 2413-05, CAN/CSA Z 195-2002 standard for protective footwear.
Protective flexible midsole is stainless and case into the sole. Meets ASTM F 2413-05, CAN/CSA Z 195-2002 standard for personal protection - protective footwear.
Slip resistant rubber sole with polyurethane damping wedge, self cleaning tread, non-marking, oil and fuel resistant, with antistatic characteristics.
Puncture protection sole.
Zipper is securely mounted in the boot to allow for very quick entry and exit with optimum comfort while limiting lace exposure to snags.
Novel terrain and street tread with 3 tread levels for longer service life.
Superior wear resistance, excellent anti-slip properties even in the cold, resistant to oil and fuel, non-marking.
Anatomically formed and softly padded tongue, integrated heel bend, raised tip.
Meets NFPA 1999-2013 edition, ASTM F 2413-05, CAN/CSA Z 195-2002.

5.11 Tactical Company 2.0 Station Boot

Light weight.

More cushioning.
Fully Supportive Upper.
Full grain polishable leather.
5.11 Quick Call Collar™ perforated neoprene bootie.
5.11 Stay flat pull tabs.
5.11 Kick Plate™ kick off plug.
Antibacterial and moisture wicking lining Midsole.
Full length Injected Phylon.
OrthoLite® insole Outsole.
A.T.A.C. outsole.
Oil and Slip resistant.
Defined heel break.
Toe and heel fence climbing lugs.
Stability and traction lugs throughout.
Black only.
Available in a wide range of Men's sizes from 4 – 15, Reg. & Wide.
Imported.

Thorogood: The Deuce 6" Waterproof Side Zip w/ Composite Toe Station Boot

Upper: Black Full Grain Leather/Black Action Leather/1200 Denier Nylon.

Construction: Cement.

Lining: Two Zone Wicking Mesh / Thoro>dri™WATERPROOF System, Blood Borne Pathogen Compliant.

Insole: Removable Two Density Polyurethane "SHOCK ZONE" Footbed with Air Flow Vents.

Shank: Engineered Composite.

Outsole: Two Density Rubber with Integrated EVA Impact Pads.

Special Features

Molded Rubber Heel Stabilizer.

Non-Metallic Construction.

ASTM F2413-11 M I/75/C/75 COMPOSITE SAFETY TOE.

EH Rated.

Tested For and Meets CAN/CSA-Z195 18,000 Volts Electrical Shock Resistance Standard.

Heavy Duty YKK Side Zipper.

Attachment C

Category 2 – Structural Firefighter's Equipment

Example Helmets

Cairns N6A Houston Black Leather Helmet, OSHA Certified

Not NFPA certified.

Hand crafted 100% leather shell.

An engineered impact cap of high-temperature rigid urethane foam with a tough Lexan outer dome and an ABS inner liner. Provides advanced thermal, impact, and penetration protection. Designed to increase protection at the sides where it's needed most.

Cairns' six-way overhead strap suspension system reduces shock transmission at the top of the helmet while providing a snug, comfortable fit.

Sateen cotton liner with leather brow patch sewn to high density foam backing around the entire circumference of the liner.

Soft black Nomex chinstrap with one-hand quick release buckle and postman slide allows quick and easy adjustment.

Three-position, rear-ratchet height adjustment ensures a secure and comfortable fit, with or without SCBA gear, for all head sizes

Jumbo earlaps for increased neck coverage and protection.

Larger diameter helmet hanger fits on larger hooks and racks.

5-year shell replacement warranty.

Can be fitted with eyeshield, 4" faceshield, and NFPA 1971 certified goggles.

Cairns: N5A New Yorker Natural Leather Helmet, OSHA

Hand crafted 100% leather shell.

An engineered impact cap of high-temperature rigid urethane foam over an ABS inner liner. Provides advanced thermal, impact, and penetration protection. Designed to increase protection at the sides where it's needed most.

Cairns' six-way overhead strap suspension system reduces shock transmission at the top of the helmet while providing a snug, comfortable fit.

Sateen cotton liner with leather brow patch sewn to high density foam backing around the entire circumference of the liner

Soft black Nomex chinstrap with one-hand quick release buckle and postman slide allows quick and easy adjustment.

Three-position, rear-ratchet height adjustment ensures a secure and comfortable fit, with or without SCBA gear, for all head sizes

Jumbo earlaps for increased neck coverage and protection.

Larger diameter helmet hanger fits on larger hooks and racks.

Insurance against fireground damage with Cairns 5-year shell replacement warranty.

Exceeds US-OSHA (CFR 1910) NBSIR-1977

Premium Configuration Includes

Carved brass eagle 6-inch front holder.

Black Nomex Earlaps.
Bourke Eyeshields.

Bullard Traditional Fire Helmet Matte Finish

Helmet sports a textured, matte finish giving it the rugged look of a leather helmet.
Thermoglas® outer shell.
Urethane foam impact cap.
Brass eagle.
6-point crown strap.
Sure-lock ratchet headband with removable brow pad.
Nomex chin-strap with quick release buckle and postman slide.
Black nomex ear/neck protector.
Can be fitted with NFPA 1971 – 2013 certified goggles.
Can be fitted with flip down eyeshield.
Can be fitted with NFPA 1971 – 2013 certified faceshield.

Morning Pride Lite Force Plus Low Rider Modern Helmet, NFPA

Helmets are made from their special "FYR-Glass" formula composite.
New and improved "Low Rider" delivers a lower center of gravity.
6 point suspension system provides a full 1.5" of adjustment for quick and easy custom fit.
Specially made headliner cradles your head in comfort while it cushions overhead straps away from your hair and head.
Internally protected straps cannot be affected by external heat or flame.
Yellow Nomex earlaps are 4.5 oz. 2 Layer Nomex FR Cotton.
No accidental creeping down the face, nose dig or fogging problems.
Works over eyeglasses and no ear cover interface problems.
Adjustable headband with four position depth adjustments.
Hang-up loops large enough to fit over a peg.
NFPA 1971, 2007 Edition Certified.

Additional Specifications

NFPA 2007 Edition Certification.
NFPA 1971, 2007 Edition.
Earcovers: 4.5 oz. Nomex 2 Layer FR Cotton, Yellow, 2007 Edition.
Reflexite Bars: 1" x 4" LF Plus, Yellow.
Chinstrap: Nomex quick release Postman Slide.
Headband/Ratchet Cover of Indura Cotton.
Warranty: 5 years for the composite shell and 3 years for the thermo-plastic shell.
Can be fitted with eyeshield, 4" faceshield, and goggles.

Morning Pride: Ben 2 Low Rider Helmet NFPA 2013 Certified

New and improved "Low Rider" delivers a lower center of gravity.
6 point suspension system provides a full 1.5" of adjustment for quick and easy custom fit.

Stronger, lighter, and a great value with field proven proprietary shell material that provides superior heat protection with 39% more resistance to impact penetration than conventional fiberglass material.

Internally protected suspension straps cannot be affected by external heat or flame.

Gold plated eagle front holder won't bend and flop like hollow brass ones.

Includes black Nomex earlaps.

Specially made headliner cradles your head in comfort while it cushions overhead straps away from your hair and head.

Useable hang-up loops are actually large enough to fit over a peg.

Headband/ratchet will fit the largest range of hat sizes of any NFPA helmet on the market- from under 6 to over size 9.

Four position depth adjustments on the headband. No tools needed.

Internally protected suspension straps cannot be affected by external heat or flame.

Gold Plated Eagle.

Available with Black or Yellow Nomex Earlaps.

Warranty: 5 years for the composite shell and 3 years for the thermo-plastic shell.

Can be fitted with EZ Flips, goggles, 4" faceshield, or EZ flips and goggles.

Honeywell: The EV1 Traditional Firefighting Helmet, with Internal EZ TouchFace Eye Protection, NFPA

Only traditional helmet on the market below 52 ounces in weight.

Proprietary internal EZ TouchFace Eye Protection.

Leather headband and ratchet cover with mesh crown – standard.

Low profile design provides superior comfort, optimal fit, and improved balance.

Certified to NFPA 1971.

Standard Features of the EV1 – Traditional

Proprietary Internal EZ Touch Face and Eye Protection with Safety Lock allows for one-touch deployment of your face protection.

Lightweight and very balanced - weighs less than 52 oz.

The UV-resistant mat shell finish shell is constructed of composite fiberglass for durability.

6-point suspension with hook and loop headband system for exact adjustment.

Impact liner is made of rugged and durable polyurethane.

EZ Clip, Reversible Chinstrap with Quick-release Buckle and Postman Slide allow for easy adjustment and proper fit.

Leather Headband and Ratchet Cover with Mesh Crown is standard on all models.

Black Nomex 2-layer FR cotton ear covers are securely attached yet easily removed for cleaning.

Large hang-up loop is big enough to easily fit over a peg.

Anti-catch Safety Bracket for Leather Fronts is exclusive on these traditional helmets.

8 Reflexite Lime Trapezoids provide reflective trim.

Golden Alloy-plated Traditional Eagle Front Holder.

Bulldog Edge Beading.

Certified to NFPA 1971.

Phenix: TL-2 Traditional Leather Firefighting Helmet

Choice of eye protection: ESS Goggles only, Bourkes only, or ESS Goggles and Bourkes.

Top grade veg-tanned leather shell with commemorative 9-11 filigree design.

High temperature thermoplastic dome.

Exclusive Phenix suspension liner with ratchet system is fully adjustable from size 6-1/2 to 8-1/2.

Combination Nomex chinstrap with both postman slide and quick-release buckle.

Eight 3M lime-yellow NFPA reflective tetrahedrons.

Available in Red, Black, Yellow, Natural and White.

Can be fitted with NFPA 1971-2013 certified ESS FirePro Goggles or OSHA compliant Bourke-style flip down eyeshields.

The FireStore Standard First Due 1500-TL2 NFPA Helmet

Standard Model T-2 with Bourkes meets OSHA requirements.

Top grade veg-tanned leather shell with commemorative 9-11 filigree design.

High temperature thermoplastic dome.

Closed cell energy absorption impact cap.

Exclusive Phenix suspension liner with ratchet system is fully adjustable from size 6-1/2 to 8-1/2.

Custom comfort pad installed on suspension liner cradles and cushions your entire forehead.

Black detachable 8" earlaps of Nomex and FR cotton.

Combination Nomex chinstrap with both postman slide and quick-release buckle.

American made brass Rising Phenix finial holds standard and wide leather 6-1/4" Leather Shields (sold separately).

Eight 3M lime-yellow NFPA reflective tetrahedrons.

D-ring on rear brim for easy storage.

Choice of eye protection:

ESS FirePro 2 Goggles with snap-on-snap-off mounting posts under brim for a low profile attachment and fast repositioning.

Bourke-style clear flip-down eyeshields

Both ESS FirePro Goggles and Bourke-style clear flip-down eyeshields.

Phenix: TL-2 Traditional Leather Helmet with TL-2 Combed Leather Shell Miller Upgrade

Top grade veg-tanned leather shell with commemorative 9-11 filigree design.

High temperature thermoplastic dome.

Closed cell energy absorption impact cap.

Exclusive Phenix suspension liner with ratchet system is fully adjustable from size 6-1/2 to 8-1/2.

Custom comfort pad installed on suspension liner cradles and cushions your entire forehead.

Black detachable 8" earlaps of Nomex and FR cotton.

Combination Nomex chinstrap with both postman slide and quick-release buckle.

American made brass eagle finial holds standard and wide leather 6-1/4" Leather Shields (sold separately).

Eight 3M lime-yellow NFPA reflective tetrahedrons.

D-ring on rear brim for easy storage.

Choice of eye protection:

ESS Innerzone 2 Goggles with snap-on-snap-off mounting posts under brim for a low profile attachment and fast repositioning.

Bourke-style clear flip-down eyeshields (*This configuration meets OSHA requirements, only.)

Both ESS Innerzone 2 Goggles and Bourke-style clear flip-down eyeshields

Cairns: 1044 Helmet, Black, NFPA, OSHA

Tough, through color, DuraGlas® fiberglass and high-temp resin composite resists cracking and chipping.
Perfect combination of durability and performance in a lightweight design.
Three-position, rear-ratchet height adjustment ensures a secure and comfortable fit.
Six-way overhead strap suspension system reduces shock transmission at the top of the helmet while providing a snug, comfortable fit.
Certified to meet NFPA 1971 Specifications, 2013 Edition for Structural Fire Fighting.
All earlaps come in yellow.
Lower profile and superior balance.

Features & Benefits

Cairns innovative Defender Visor with a scratch- and thermal-resistant, slightly tinted Tuffshield lens.
Tough, through color, DuraGlas® fiberglass and high-temp resin composite resists cracking and chipping and provides a perfect combination of durability and performance in a lightweight design.
An engineered impact cap of high-temperature rigid urethane foam with an ABS inner liner. Provides advanced thermal, impact, and penetration protection. Designed to increase protection at the sides where it's needed most.
Cairns' six-way overhead strap suspension system reduces shock transmission at the top of the helmet while providing a snug, comfortable fit.
Leather (Deluxe) cushion liner removable for washing and upgrading, provides greater ease and comfort.
Soft black NOMEX chinstrap with one-hand quick release buckle and postman slide allows quick and easy adjustment.
An exclusive SCBA interface front headband adjustment matches the fit of any SCBA mask.
Three-position, rear-ratchet height adjustment ensures a secure and comfortable fit, with or without SCBA gear, for all head sizes.
Jumbo earlaps and patented shell release increase neck coverage and protection, all allow easier maintenance.
Larger diameter helmet hanger fits on larger hooks and racks.
Insurance against Fireground damage with Cairns 5-year shell replacement warranty.
Can be fitted with Bourke Eye Shield, 4" Tuffshield Visor, Defender.

Example Hoods

Majestic: PAC II 100% Nomex Natural Hood, NFPA 1971-2013

Smooth fit in Majestic's most popular long bib design.
Wider width for air circulation keeping end user cooler.
Generous width and size means less fabric stretch.
The more surface area for moisture disbursement the quicker moisture will evaporate - keeping user dry.
Maintains protective properties after washing.
MFA hoods offer the most square inches of protection.
Universal sizing.
Elastic face opening.
100% Nomex fabric.
Seams are merrow stitched with the top and bottom covered with a 5-thread cover stitch.

Wear resistant binding.
Available with notched shoulder.

Majestic: PAC III, 100% Nomex, Black, NFPA 1971-2013

Fullest coverage *certified* to NFPA 1971-2013.
Shoulder inserts for added shoulder protection.
Long length for optimum coverage.
Wider width for air circulation keeping end user cooler.
Generous width and size means less fabric stretch.
The more surface area for moisture disbursement the quicker moisture will evaporate - keeping user dry.
100% Nomex fabric.
All thread used is 100% Nomex.
Maintains protective properties after washing.
MFA hoods offer the most square inches of protection.
Universal sizing, Black Nomex.
Hoods also comply with CAL/OSHA standards.

PGI: Cobra™ Ultimate™ Carbon Shield™ Hood, NFPA Certified

Extra Long Double Ply Hood throughout.
Arc Rating: 23.3.
HRC Rating: 2.
X-Long length covers chest, shoulders and shoulder blades.
Flat stitched seams.
X-heavy 1/2" wide elasticized face opening.
Cover stitched bound drape.
Double-ply hood throughout.
UL Classified to NFPA 1971: Standard on Protective Ensembles for Structural Fire Fighting and Proximity.
Fire Fighting – Current Edition.
Meets CAL-OSHA Requirements.
Complies with OSHA Rule 29 CFR part 1910, 269.
Non-Shrinking.
One size fits all.

Fabric

Both outer shell and lining are a blend of Carbon/High Strength Aramid-approx.6.5 oz sq yd.
1 x 1 rib knit fabric - knit to allow approx. 200% stretch for maximum stretch and recovery.
Calendared to minimize laundry shrinkage.

Stitch Types and Seams

All stitching conforms to Federal Standard 751 Specifications (FED-STD-751).
Major seams are flat seam assembled, stitch type 607.
Elastic in face opening is serged in with stitch type 504 and reinforced with bottom cover-stitch, stitch type 406.

Binding is applied with bottom cover-stitch, stitch type 406.

Thread

All seams are sewn with 100% Nomex® thread size Tex 40.

Construction

Composed of two layers throughout.

For a contoured fit the hood is seamed from top of face opening to back of head.

Face opening is circular in shape and serged with x-heavy duty ½" wide elastic around the perimeter.

The elastic is then folded back ½" and cover stitched. The face opening stretches a full 16" (which is 25% more than conventional hoods) for easy donning and a snug fit around face of SCBA mask. Face opening maintains original shape after repeated launderings.

The bottom edge of hood is bound with self-material bias binding.

Gusset added at side seams to provide complete shoulder coverage and smoother drape.

Measurements

Face opening is circular and measures between 4.6" to 5.6" in diameter.

Length of hood below face opening approx. 12".

Length of hood at side from top to bottom approx. 17".

Length of hood at back from top to bottom approx. 19½".

Length of hood at front top to bottom approx. 20".

Fabric Performance Values

Arc Thermal Performance Value (ATPV)	23.3
Thermal Protective Performance	
Initial (seconds)	24
After 5 washings (seconds)	27.6
After Flame	
Initial (inches)	0 x 0
Warp (wales) x Fill (Courses)	
After 5 washings (seconds)	0 x 0
Char Length	
Initial (inches)	2 x 1.9
After 5 washings (inches)	1.4 x 2.3
Fabric Burst Strength (N)	287
Seam Burst Strength (N)	469.1
Heat and Thermal Shrinkage	

After 5 washings	0%
Limiting Oxygen Index (LOI)	55
Melt or Drip when exposed to flame	None

Majestic: PAC II Ultra C6, SVZ, NFPA 1971-2013

NFPA 1971-2013 Edition and is *UL Certified*. Meets or exceeds Cal/OSHA Standards.

Fire Retardant vented fabric strip along head allows for body heat to escape.

2-piece design with notched shoulders.

All seams are merrow stitched then top and bottom covered with a 5-thread cover stitch for extended durability.

All bottom edges are bound and sewn with 100% Nomex® thread.

Stitching color contrasts with hood color, enabling easy advanced inspection of thread stitching.

Black Ultra C6 Carbon Knit.

One size fits all.

2 Ply Head Specifications

Overall Hood Length: 21".

Length: 13" from top of head to neck.

Width: 9" from back seam to top of face / 11" from back seam to bottom of head.

Vent Zone: 3" wide FR fabric vent from top of forehead to base of neck.

Full Face Opening Circular Measurement (120 mm - 145 mm) Elastic Face Opening stretches to accommodate a circumference of at least 31" (800 mm) for ease of donning, snug fit, and proper seal with SCBA. Sewn with 1/2" elastic. Elastic is encapsulated in material and cover stitched.

2 Ply Bib Specifications

Length: 8" (front and back).

Notched Shoulder: 15" from top of head to bottom of notched.

Majestic: PAC IA Economy Nomex Blend White Hood, NFPA 1971-2013

Economical offering certified to NFPA 1971-2013.

Also complies with Cal/OSHA standards.

Notched shoulder reduces bunching of material.

Notched shoulder for contoured fit (shoulders exposed).

Wider width for air circulation keeping user cooler.

Generous width and size means less fabric stretch.

The more surface area for moisture disbursement, the quicker moisture will evaporate - keeping user dry!

Maintains protective properties after washing.

MFA hoods offer the most square inches of protection!

Nomex Blend.

Example Gloves

Ergodyne ProFlex Fire & Rescue Performance Gloves

Rugged Armortex-reinforced palm and thumb saddle.
Reinforced fingertip gripping zones; EVA palm pad.
Double-needle Kevlar stitching.
Stretch spandex shell for comfort and fit.
EVA knuckle pad with reflective pattern.
EN 388: 4243.

Ergodyne ProFlex Fire & Rescue Rope Gloves – Black

Double-layer synthetic leather palm and fingers.
Reinforced EVA-padded rope channel.
Double-needle Kevlar stitching.
Stretch spandex shell for comfort and fit.
Adjustable wrist cinch anchor for extra security.

Fire Pro II Structural Fire Glove

Flame and heat resistant 3.5 to 4.0 oz. eversoft cowhide leather with a 60+ TPP rating for overall heat protection.
Double layer of 6 oz. FR modacrylic liner on back of hand for added heat protection.
Full sock liner made of 6 oz. no drip no melt stitch-bonded FR modacrylic.
3 mil breathable Pryotect Barricade barrier is 100% water proof, protects from viral/chemical penetration and blood borne pathogens.
4" Nomex® wristlet with leather pull patch.
Gauntlet style has a 2 inch all leather cuff sewn at top of glove.
This glove is made from all USA manufactured fabrics/leather and produced in the USA with a highly skilled work force.
This glove meets the NFPA 1971-2013 standard and is SEI certified.

Pro Tech 8 Titan Kangaroo Structural Glove, Short Cuff

Pro-Tech 8 Titan K is the kangaroo skin version of our original Titan model and is considered today's gold standard in structural firefighting gloves. Kangaroo is essentially the most rugged of all leathers ounce for ounce while maintaining incredible softness and pliability. The unique structure of kangaroo leather allows it to be cut down to a relatively thin layer but still retain its strength. As a comparison, when split to 20% of original thickness kangaroo skin retains 30-60% of the tensile strength of the un-split hide. Calfskin, on the other hand, split to 20% of original thickness retains only 1-4% of its original strength.

The resulting Titan K is a combination of durability and natural flexibility that ensures your hands won't easily tire on the fire ground or in training, an amazing grip, comfort and fit like you have never experienced before and the safe and efficient performance needed to be at your best!

Titan K breaks in almost immediately and will remain soft and flexible after use.

The Pro-Tech 8 Titan K Glove is independently certified as compliant to the NFPA 1971 Standard 2007 Edition on Protective Ensemble for Structural Firefighting; certifying agent Safety Equipment Institute, Virginia.

Fire Hog Structural Fire Glove

Eversoft® cowhide leather, flame and heat resistant 3.5 to 4.0 oz. leather tanned with additives to stay soft and provided low water absorbance when soaked repeatedly. Meets NFPA flame resistance test. 3.5 to 4.0 oz. smooth grain Flexor cow leather back with 60+ TPP rating.

Exclusive breathable adhesive for glove bonding.

Pryotect Barricade 3 mil Barrier that is 100% waterproof, viral/chemical penetration resistant and protects against blood borne pathogens.

4" Nomex® wristlet cuff with leather pull patch.

Meets NFPA 1971-2013 standard and is SEI certified.

Fire Armor Structural Fire Glove

60+ TPP and class leading conductive heat transfer protection.

FR water repellent 100% Kevlar® knit fleece t with 1 piece back shell.

A layered non-restrictive knuckle patch.

Extra layer of 6 oz. modacrylic liner sewn to the back shell.

A double backed 3 mil breathable Pryotect Barricade moisture barrier.

100% water proof, viral/chemical penetration resistance and blood borne pathogen protection.

A layered 6 oz. 65% Kevlar®/35% Nomex® stitch bonded FR liner.

Five separate curved form fitting forchettes made from 3.5 oz. to 4.0 oz. grain cow leather for maximum finger dexterity with a 60+ TPP rating.

Exclusive breathable adhesive for ensuring full liner/barrier glove bonding.

1 piece palm 3.5 to 4.0 oz. Eversoft® cow leather tanned with additives to stay soft when wet and low water absorbance with repeated soakings for a 60+ TPP rating.

4" Black Nomex cuff with leather pull patch and hang up loop.

This glove is proudly made in the USA with highly skilled employees.

This glove is certified to NFPA 1971-2013 by the Safety Equipment Institute (SEI).

Fire Raider Structural Fire Glove

Eversoft® cowhide leather, flame and heat resistant 3.5 to 4.0 oz. leather tanned with additives to stay soft and provided low water absorbance when soaked repeatedly. Meets NFPA flame resistance test.

3.5 to 4.0 oz. smooth grain Flexor cow leather back with 60+ TPP rating.

Exclusive breathable adhesive for glove bonding.

Pryotect Barricade 3 mil Barrier that is 100% waterproof, viral/chemical penetration resistant and protects against blood borne pathogens.

Five separate curved form fitting forchettes made from 3.5 oz. to 4.0 oz. grain cow leather for maximum finger dexterity with a 60+ TPP rating.

Exclusive breathable adhesive for ensuring full liner/barrier glove bonding 4" Nomex® wristlet cuff with leather pull patch.

Meets NFPA 1971-2013 standard and is SEI certified.

Proudly made in the USA with highly skilled employees.

Pro Tech Titan Structural Glove, Long Cuff

Pro-Tech 8 Titan is the latest structural firefighting glove from TechTrade. The Titan model picks up where the original Pro-Tech 8 left off and offers enhanced protection, abrasion resistance and durability without sacrificing the superior dexterity, comfort and fit that Pro-Tech 8 users demand.

Our gloves use the highest quality components including DuPont Kevlar® and Nomex® and water repellent leather. The multi-layer design allows incredibly soft and comfortable break in with thermal protection that actually increases after washing, as proven during our lab certification testing; also while drying quickly and soft. The inner liner component is 100% knitted Nomex® and cannot be simply pulled apart like the inexpensive non-woven SEF used in many of our competitors top line gloves.

Pro-Tech 8 Titan's unique knuckle guard system enhances protection where needed which most structural firefighting gloves completely ignore.

The Pro-Tech 8 Titan Long Cuff wristlet style features a Kevlar® elastic cuff band which prevents debris from entering and eliminates glove slip off. The wristlet section is actually an extension of the actual glove construction providing the same maximum thermal protection found elsewhere in the glove. You no longer need to put up with annoying outdated knit wristlets that lose their elasticity and provide a significantly reduced level of thermal protection.

The glove is certified as compliant to the NFPA 1971 Standard 2007 Edition on Protective Ensemble for Structural Firefighting; certifying agent Safety Equipment Institute, Virginia.

Pro-Tech 8: Fusion Structural / Wildland Firefighting and Extrication Glove, NFPA

Lightweight glove breaks in extremely fast and remains soft and flexible after use and washing.

Fire-retardant, breathable, mesh knit polymer liner provides blood borne pathogen/liquid resistance and reduces friction during donning and doffing.

Outer palm layer's distinctive stitching prevents the material from bunching up and promotes the most efficient grip of any NFPA compliant structural glove.

Ring and middle fingers' palm sides are cut and sewn independently for enhanced dexterity.

Unique flexible 7-layer knuckle guard system provides repetitive thermal protection and cut/puncture resistance at the vulnerable knuckle compression point.

Gathered stitching around the entire wrist provides a secure fit and prevents debris from entering the glove.

Independently certified to NFPA 1971-2013 Edition by the Safety Equipment Institute, Virginia.

Materials and Layering

Outermost Palm Side Layer: Highly flexible and durable water repellant goat skin suede.

Second Palm Side Layer: Cut and heat resistant knitted Kevlar/Nomex.

Palm Side Inner Liner: 100% modacrylic mesh knit.

Palm Side Fingers: Knitted 100% modacrylic.

Outermost Back Side Layer: Layer of suede leather and layer of cut and heat resistant 100% Kevlar® knit that runs the length of the glove from finger tips to cuff edge.

Back Side Inner Liner: Mesh knit modacrylic.

Back Side Fingers: Knitted modacrylic.

Finger Sidewalls: Outer layer of Kevlar/Nomex and two additional layers of 100% modacrylic knit.

Knuckle Guard: Outer layer of 100% Kevlar®, two layers of silicon carbide both fused to 100% Kevlar®, another layer of 100% Kevlar®, and another layer of modacrylic knit.

Glove Interior: Two layers of highly breathable, completely sealed, polyurethane membrane to prevent liquid penetration and protect against blood borne pathogens.

Moisture Barrier: NFPA 1971 compliant Porelle FR 540.

100% Kevlar® high burst thread is used throughout the gloves.

Reflective tape is used on the glove's back side near the wrist area.

Pro-Tech 8: TITAN-K Structural Firefighting Glove, Kangaroo Leather/Kevlar, NFPA 1971-2013

Multiple layers of Kevlar® and Nomex can withstand the effects of flame, heat, vapor, hazardous liquids, sharp objects, and related hazards during structural firefighting.

100% FR kangaroo leather outer layer is more durable, pliable, and water resistant than any other leather.

NFPA 1971 certified Porelle® FR 540 breathable barrier provides effective moisture and blood borne pathogen resistance.

Palm layers are stitched down with Kevlar high burst thread for a stronger grip.

Finger sidewalls made of Kevlar and Nomex maximize dexterity and flexibility.

Multilayer knuckle guard system provides unmatched thermal protection and cut/puncture resistance.

Long cuff model with debris blocker extends the glove body for superior protection at the vulnerable glove-sleeve interface.

Reinforced leather inner cuff and leather pull tab enable easy donning and doffing.

TITAN glove remains soft and flexible after use and washing and is certified to NFPA 1971-2013 Edition.

Materials and Layering

Outer Layer: 100% FR kangaroo leather.

Inner Liner: 100% Nomex.

Inner Cuff: Reinforced leather.

Finger Sidewalls: Kevlar® and Nomex.

Knuckle Guard: 8 layer system featuring two layers of Kevlar, two layers of Nomex, and two layers of silicone carbide infused with 100% Kevlar for a total of four layers.

Moisture Barrier: NFPA 1971 certified Porelle® FR 540 breathable barrier.

100% Kevlar high burst thread is used throughout the gloves.

Shelby: FDP Koala / Gore Gloves, NFPA 1971-2013 Edition

Constructed of 3.25 to 4.0 oz. Midnight Blue Koala Tanned Cowhide and 8 oz. S.E.F. Modacrylic Fleece laminated to Gore RT7100 Glove Barrier Fabric.

Fire retardant and heat resistant.

Honeywell: Kangaroo Leather Cadet Size Super Glove, NFPA

Fingers are about ½" shorter than regular sizes.

NFPA 1971, 2007 edition compliant.

Top Grain Kangaroo back outer shell stands up to abrasion, and is strong enough for any firefighting task.

Densely packed fibers minimize water absorption, and the leather does not become slippery when wet. Black Digiroom™ kangaroo palm grips and fingers extend the advantages of kangaroo leather to provide incredible durability, grip, and tactility with unprecedented thinness.

Crosstech® moisture barrier provides high breathability, high heat resistance, high temperature stability, high abrasion resistance, continuous moisture barrier protection, and fast glove drying.

Air Spacer™ Kevlar® Nomex® thermal lining traps air for thermal protection without traditional bulk.

2-Ply Nomex wristlet.

3-D patterning with wing thumb.

Specifications

Outer Shell: Kangaroo Back Digiroom Palm & Fingers.

Moisture Barrier: Crosstech®.

Thermal Lining: Air Spacer™ Kevlar® Nomex®.

Pattern: 3-D.

Thumb: Wing.

Cuff:

Wristlet - 2-Ply Black Nomex®.

Gauntlet - Eversoft Black Cowhide.

Level of Bloodborne Pathogen Protection: HNO.

Glove with Gauntlet or Wristlet Performance Certifications

NFPA 1971, 2007 Edition for Structural Fire Fighting Gloves.

Glove with Wristlet only Performance Certifications

NFPA 1951, 2007 Edition for Technical Rescue & Recovery Gloves.

NFPA 1951, 2007 Edition for Technical Rescue Utility Gloves.

NFPA 1999, 2003 Edition for Emergency Medical Operations Work Gloves.

Veridian: Fire Armor Structural Firefighting Glove, NFPA

Back shell is made from FR and water repellent 100% Kevlar knit fleece 7.5 oz. fabric.

Eversoft® leather knuckle band is sewn across back for added knuckle protection.

Elastic is sewn into wrist crease for close fitting cuff.

Back is lined with a layer of 6 oz. modacrylic non-melting and non-dripping liner.

60+ TPP and class leading conductive heat transfer protection.

FR water repellent 100% Kevlar® knit fleece with 1 piece back shell.

A layered non-restrictive knuckle patch.

Extra layer of 6 oz. modacrylic liner sewn to the back shell.

A double backed 3 mil breathable Pyrotect Barricade moisture barrier.

100% water proof, viral/chemical penetration resistance and blood borne pathogen protection.

A layered 6 oz. 65% Kevlar®/35% Nomex® stitch bonded FR liner.

Five separate curved form fitting forchettes made from 3.5 oz. to 4.0 oz. grain cow leather for maximum finger dexterity with a 60+ TPP rating.

Exclusive breathable adhesive for ensuring full liner/barrier glove bonding.

1 piece palm 3.5 to 4.0 oz. Eversoft® cow leather tanned with additives to stay soft when wet and low water absorbance with repeated soakings for a 60+ TPP rating.

Glove liner has a 2 inch grain leather cuff sewn inside glove wrist over top of the liner for the gauntlet model and bond with 1 1/2 inch black FR binding to finish cuff.

4" Black Nomex cuff with leather pull patch and hang up loop on the wristlet model.

This glove is sewn completely with 30/3 Kevlar® thread.

This glove is available in Gauntlet, Long Cuff, and Cadet sizes.

This glove is certified to NFPA NFPA 1971-2013 by the Safety Equipment Institute (SEI)

Veridian: Fire Hog Fire Gloves

A girdle is sewn into palm for positive grip and extended wear for thumb area. Welts sewn into the middle and ring fingers for extra seam strength.

Eversoft® cowhide leather, flame, and heat resistant 3.5 to 4.0 oz. leather tanned with additives to stay soft and provided low water absorbance when soaked repeatedly. Meets NFPA flame resistance test.

3.5 to 4.0 oz. smooth grain Flexor cow leather back with 60+ TPP rating.

A double layer of soft 6 oz. FR modacrylic no melt no drip liner for a smooth inside feel and heat protection to the back of hand.

A leather cuff is sewn inside wrist opening over liner for extended wear of liner and smoother donning.

Exclusive breathable adhesive for glove bonding.

Pryotect Barricade 3 mil Barrier that is 100% waterproof, viral/chemical penetration resistant and protects against blood borne pathogens.

4" Nomex® wristlet cuff with leather pull patch.

Gauntlet style has smooth grain all leather 1 inch cuff hemmed over top of glove. Elastic is sewn to wrist crease on back and palm for close fitting cuff.

Meets NFPA 1971-2013 standard and is SEI certified.

Honeywell: 9550 Fire Mate Kangaroo/Elk Leather Structural Fire Glove, NFPA

Kangaroo leather palm absorbs far less water than traditional glove leathers and offers very high abrasion resistance with an excellent grip when wet.

Pliable Elk back stretches and stays soft.

Crosstech Moisture Barrier.

Thermal Liner Kevlar/Nomex.

Pattern: 2-D / Thumb: Wing.

Leather Gauntlet.

Certification: NFPA 1971.

Shelby 5291 Tuff Glove Structural Firefighting Glove with Wristlet

Superior Pre-Curved Components: Lining, Barrier, Shell.

Shelby Engineered: Flex-Points, Trigger Finger, G-BLOC.

Lifetime Guarantee Against Liner Pullout.

Relaxed Curved Hand: The natural position of the hand at rest.

Pre-Curved Thermal Liner: Brushed thermal liner with a Reverse Gunn pattern technology that is another first from Shelby, allowing for a true pre-curved thermal liner. Our system is designed to mate flawlessly and prevent glove roll in the palm and fingers resulting in a secure hold on tools and hoses, using less grip force resulting in less hand fatigue during extended use.

Pre-Curved GORE RT7100 Glove Barrier Fabric System: Unmatched thermal stability in its class and the reputation of The World Leader in Barrier Technologies. Our exclusive seam sealed system is 100% dunk test proven, and is the ONLY pre-curved lining barrier system that mirrors the outer shell.

Nomex® On Demand Emergency Protection and Thermal Layers: Exclusive light weight DuPont thermal barrier that boosts protection when and where it's needed most.

Pre-Curved Shell Layer: Functionally enhanced multi-dimensional (2,3 & 4D!) protective leather glove pattern that features a tapered trigger/index finger with Shelby engineered Flex-Points on thumb, middle, ring and small fingers. The end result is superior index finger dexterity and better finger and thumb articulation. Our G-BLOC proprietary wrist blocking system prevents glove creep during usage, providing a secure, comfortable and responsive fit.

Reflective Safety Enhancements: Snag resistant 3M reflective nail guards and Reflexite® bridge stripe for better visibility.

Made in USA.

Shelby 5292 Tuff Glove Structural Firefighting Glove with Gauntlet

Superior Pre-Curved Components: Lining, Barrier, Shell.

Shelby Engineered: Flex-Points, Trigger Finger, G-BLOC.

Lifetime Guarantee Against Liner Pullout.

Relaxed Curved Hand: The natural position of the hand at rest.

Pre-Curved Thermal Liner: Brushed thermal liner with a Reverse Gunn pattern technology that is another first from Shelby, allowing for a true pre-curved thermal liner. Our system is designed to mate flawlessly and prevent glove roll in the palm and fingers resulting in a secure hold on tools and hoses, using less grip force resulting in less hand fatigue during extended use.

Pre-Curved GORE RT7100 Glove Barrier Fabric System: Unmatched thermal stability in its class and the reputation of The World Leader in Barrier Technologies. Our exclusive seam sealed system is 100% dunk test proven, and is the ONLY pre-curved lining barrier system that mirrors the outer shell.

Nomex® On Demand Emergency Protection and Thermal Layers: Exclusive light weight DuPont thermal barrier that boosts protection when and where it's needed most.

Pre-Curved Shell Layer: Functionally enhanced multi-dimensional (2, 3 & 4D!) protective leather glove pattern that features a tapered trigger/index finger with Shelby engineered Flex-Points on thumb, middle, ring and small fingers. The end result is superior index finger dexterity and better finger and thumb articulation. Our G-BLOC proprietary wrist blocking system prevents glove creep during usage, providing a secure, comfortable and responsive fit.

Reflective Safety Enhancements: Snag resistant 3M reflective nail guards and Reflexite® bridge stripe for better visibility.

Made in USA.

Shelby Extrication Glove w/ Hipora Barrier

Pre-curved form fitting glove body has wrist snugger and is made of an "air-textured", high-tenacity Cordura nylon.

Kevlar reinforced palm & finger reinforcements are at all the high wear stress points.

Hipora waterproof barrier and soft breathable Bemberg Lining.

Glove offers 270 degrees of shirred elastic circumferentially at wrist crease and elastic snugger to repel debris.

Ribbed Rubber pull at underside of wrist closure.

Hipora waterproof barrier with breathable insulation.

Kevlar[®] reinforced palm, knuckles and finger tips.
Armor-Dillo Knuckle Protection.
Cotton terry brow wipe.
Reinforced rubber pull with a hidden cord carabineer loop.
Custom finger-back rubber guards.
Reflective finger tips and trim.

Example Eye Protection

Conway/Lion: Faceshield, 4" x .150 Apec (Thumbwheel Style)

Fits Heritage & Classic Helmets.
Hardware not included.

Conway/Lion: Faceshield Hardware, Thumbwheel

Faceshield Bracket Kit (Thumbwheel).
Comes with one set of screws (not pictured). Fits Heritage & Classic Helmets.

Bullard: 6" Polycarbonate, Hard Coated Faceshield

Mounting hardware (R151) NOT included.
For PX/FX Series Helmets.

Bullard: Faceshield Mounting Hardware Kit

Aluminum mounting brackets, nylon knobs, small hitch pin clips, stainless steel studs, and brass T-nuts included.
For PX/FX Series Helmets.

Innerzone 1 NFPA Goggle System With Mounting Brackets.

Fits all brands of modern and traditional style helmets.

The **Innerzone** Series of NFPA-compliant firefighting goggles designed to withstand the rigors of structural firefighting, while offering the highest levels of protection and safety available. Certified by independent test labs to meet or exceed all the standards associated with NFPA 1971-2000, including the 500°F 5-minute oven test.

The **Innerzone 1** goggle utilizes a unique two-piece strap and mounting bracket system. It functions well with all major brands of structural fire helmets, with no drilling required. Thumb screws secure goggle straps to the helmet. Goggles can be stowed on the front or rear of the helmet.

ESS: FirePro-1971 FS Structural Firefighting Goggle Kit, Full Strap, NFPA 2013

This goggle series is certified as compliant with NFPA 1971-2013 Edition, including the 5-minute, 500°F oven test. It is also U.S. Federal OSHA compliant, exceeds the requirements of ANSI Z87.1-2010, and is considered Primary Eye Protection by NFPA 1500. All components of ESS FirePro-1971™ goggles are heat and flame resistant.

Goggles feature a one-piece, wrap-around strap that easily secures to any helmet with VELCRO® brand® tabs. This system keeps the goggle on hand at all times, with the flexibility of quickly removing them if needed.

Recommended for use without face shields.

Patented ESS **Speed-Clip™** strap system makes adjusting the tension of goggle straps quick and easy, even with gloves on.

ClearZone™ FlowCoat lens treatments provide an optimal combination of anti-scratch coatings on the outside of the lens and anti-fog coatings on the inside.

Low-profile frame with wide wrap minimizes helmet interference and maximizes peripheral vision.

Full-perimeter ventilation and filtration system further minimizes lens fogging while filtering airborne particles, dust, and debris.

Extra-thick, 2.8 mm high-impact **Profile™ Series** military goggle lenses that meet and exceed ANSI Z87.1-2010, the U.S. Military .22 caliber ballistic impact test MIL-DTL-43511D (Clause 3.5.10), and CE EN 166.

Lenses provide 100% UVA/UVB protection and distortion-free optical clarity.

A prescription eyewear solution is available for the **ESS FirePro™** goggles.

Example Boots

Hellfire Rubber Felt Insulated Boot, Lug Sole

Upper: FLAME/HEAT-RESISTING Rubber.

Construction: Vulcanized Rubber/Shoe Felt Engineered.

Lining: 3.5mm Polyester Needled Felt with Heel Reinforcement.

Insole: Removable Superknit Covered Polyurethane Footbed.

Midsole: Stainless Steel Puncture Resisting Bottom Plate .

Shank: Steel Triple Ladder Shank.

Outsole: FLAME/HEAT RESISTING White "Traction Lug".

Special Features: Meets Both NFPA Requirements. UL Certified. Blood Borne Pathogen Compliant. ASTM F 2413-05 M/I/75/C/75 Oversized Steel Toe. Electrical Hazard. Double Reinforced Pull Loops. Cushioned Shin Guard. Light-Reflecting Instep and Heel Patches.

Hellfire Rubber Insulated Boot, Lug Sole

Upper: FLAME/Heat-Resisting Rubber.

Construction: Vulcanized.

Lining: Dupont™ Kevlar® Yellow Knit One Piece Liner.

Insole: Removable Superknit Covered Polyurethane Footbed.

Midsole: Flexible L-Protection® or Stainless Steel Puncture Resisting Material.

Shank: Steel Triple Ladder Shank.

Outsole: FLAME/HEAT RESISTING "Traction Lug".

Special Features: Meets NFPA Requirements. UL Certified. Blood Borne Pathogen Compliant. ASTM F 2413-05 M/I/75/C/75 Oversized Steel Toe. Electrical Hazard. Double Reinforced Pull Loops. Cushioned Shin Guard. Light-Reflecting Instep and Heel Patches.

Hellfire Latex HazMat/Structural Dual Boot

Upper: Chemical/FLAME/HEAT-RESISTING Neoprene.

Construction: Neoprene Latex Dipped and Vulcanized Rubber / Shoe Fit Engineered.

Lining: 3mm Closed Cell Neoprene Foam Laminated to Nylon with 3.5mm Polyester Needled Felt Mid-Layer.

Insole: Removable Superknit Covered Polyurethane Footbed.

Midsole: Flexible L-Protection® or Stainless Steel Puncture Resisting Material.

Shank: Steel Triple Ladder Shank.

Outsole: Chemical/Oil/FLAME/HEAT RESISTING Polyurethane "Traction Lug".

Special Features: Meets Both NFPA 1971-2007 (Structural Fire Fighting) and NFPA 1992-2005 (Splash-Protective for Hazardous Materials). UL Certified. Blood Borne Pathogen Compliant. ASTM F 2413-05 M/I/75/C/75 Oversized Steel Toe. Electrical Hazard. Double Reinforced Pull Loops. Cushioned Shin Guard. Light-Reflecting Instep and Heel Patches.

Globe: Men's Supreme 14" Structural Fire Boot Pull-On, NFPA

Certified NFPA 1971 (Structural Fire Fighting) and NFPA 1992 (Liquid Splash) compliant.

Feels like you are wearing an athletic sneaker.

Flame, abrasion, oil, acid, and slip resistant compound engineered for high-traction and durability even during prolonged exposure to extremes of heat and cold.

High flexibility material that can endure up to 1,000,000 flexes with no compromise in performance.

Multi-layer composite puncture protection insole.

3D Molded shin guard protects you when you are on a ladder.

Boots include removable Snug Fit Inserts to customize your comfort level.

CROSSTECH® Moisture barrier provides protection unmatched by any others.

Composite safety toe.

Toe bumper.

Reinforced Pull-Straps.

Molded Footbed.

Boots include removable Snug Fit Inserts to customize your comfort level.

Contoured outsoles are cement bonded to the bottom and sides of the upper

FIRESTORM™ Leather is heavyweight, flame-resistant, and waterproof leather for durable performance.

Leather has added reflective material at the heel for added nighttime visibility. Specially softened tumbled leather in high flex areas to move with you.

3M SCOTCHLITE™ Flame-resistant fluorescent and reflective material for added visibility.

HEELPORT™ Internal Fit System - anatomical foam insert holds your heel securely so it won't slip while cushioning your ankle.

A rugged heel counter is individually molded to fit each size perfectly.

LENZI® Puncture Protection - High-performance composite penetration-resistant insole is made from multiple layers of HT ceramic material - like ballistic armor for your feet. Far more flexible than a steel plate and doesn't transmit heat or cold. Exceeds NFPA standards for safety.

Composite Shank is lighter than steel, doesn't transmit heat or cold, and springs back to shape better.

A protective shield of KEVLAR® and NOMEX® fiber batting protects the CROSSTECH® moisture barrier, provides cut resistance, and adds thermal protection.
Available in standard calf and wide calf lengths in medium, wide, and x-wide widths.

Thorogood: 14" Oblique Toe Structural Boot, NFPA

Stedair® Waterproof Barrier is Blood-Borne Pathogen Compliant.
Exclusive Vibram® FIRE Sole with Chiseled Edge Lugs.
Tempered Steel Safety Toe.
Black Combat Superknit and 4 oz. Thermal Barrier.
Black Boulder Waterproof, Flame, and Cut-Resisting Leather Upper.
Exclusive Vibram® FIRE Sole with Chiseled Edge Lugs.
Scuff-Resisting Vibram® Rubber Toe.
Stedair® Waterproof Barrier is Blood-Borne Pathogen Compliant - ASTM F 1671.
Black Combat Superknit and 4 oz. Thermal Barrier.
Soft, Flexible Top Facing.
Built In Shin Guard.
Heat-Resisting Kevlar® Thread.
Goodyear Storm Welt Construction.
Tip Stitching for Extra Secure Sole Attachment.
Triple Row Toe Stitching and Sealed Seams.
Thermo Formed Counter.
Steel Triple Ladder Shank.
Fully Comfort Weave Lined.
Oblique Tempered Steel Safety Toe Exceeds ASTM F 2413-11 M/I/75/C/75 Rating.
Toe Cap Padding for Greater Comfort.
Polyurethane Removable Contoured Cushion Insole on Flexible Double Rubber.
Flexible Non-Metallic Puncture-Resisting Textile Insole Material.

Certifications: Meets the requirements of NFPA 1971-2013 Standard on Protective Ensemble for Structural Fire Fighting, Current Edition, NFPA 1500, Fire Department Occupational Safety and Health Program, Compliant with ASTM F 1671, Standard Test Method for Blood-Borne Pathogen Penetration Resistance of Materials used in Protective Clothing, ASTM M 2413-11 M I/75 C/75 PR, Electric Hazard Rated, Tested for and meets CAN/CSA-Z195-M92 Electric Shock Resistance.

Pro Warrington: 5006 Ultimate Power 14" Bunker Boot, NFPA

Patented PowerToe™ & PowerHeel™ cover provides 3x the wear life and protects the heel from abusive doffing.
Reflective wraparound welt and reflective ridges on the PowerHeel™ are truly visible—not covered by bunker pants.
Fire and Ice Vibram® PowerSole™ welted lug sole gives more traction under almost any conditions and adds support, reduces fatigue and protects against sprains and strains.; replaceable for longer life.
Berry Amendment compliant.
Certified to meet or exceed NFPA 1971, 2007 Edition for Structural Firefighting Protective Ensembles.
Full grain military AB leather insulates and adds abrasion and puncture resistant properties to the foot area of the boots. Water and chemical resistant and protects the internal bootie system.

All leather PowerVamp and 7.5 oz Kevlar® felt thermal barrier combine to stabilize temperatures inside the boot, and add unsurpassed lightweight puncture resistance to the entire foot area. Stays comfortable for hours with no heat transfer from steel toes, plate, or shank.

Crosstech® moisture barrier provides superior liquid penetration resistance to blood, body fluids and NFPA tested common chemicals.

Exclusive bootie package quilts a 7.5 oz Kevlar® thermal barrier to the boot liner and laminates it to the **Crosstech® Fabric Moisture Barrier** preventing moisture accumulation and wicking. Only PRO boot products have this exclusive bootie composite package.

Soft thermo resin combines with an Advance® Rip Stop outer shell to provide superior impact protection against side punctures.

Molded thermoplastic heel counter locks your foot into the boot and anchors it in place.

Vibram® Fire/Ice PowerSole™ angled lugs provide substantial edging and gripping capabilities. Center medallion of stars surrounded by lug pattern provides maximum wear and traction.

Lining provides high abrasion and tear resistance, with antibacterial properties that keep your boots dry and your feet healthy.

Toe cover resists toe abrasion and provides unparalleled wear over the lifetime of the boots.

Toe safety cap.

Rip Stop Fabric.

External Texon Board shinguard protects and guards the sensitive shin area of the legs and is covered with military AB leather for additional protection.

Corrosion Resistant Steel Ladder Shank and Stainless Steel, Full Length, Toe-to-Heel

Puncture Resistant Bottom Plate.

Heavy duty 3/4" reinforced straps mounted to the exterior of boot and anchored with a 2" x 1½" shield-shaped base.

Pro Warrington: 5007 14" Structural Firefighting Boots, NFPA

14" high pull-on, fabric/leather bunker style boot with enhanced side and back stays, fire resistant fabric, water-repellent leather, safety toes, electrical hazard rated soles, steel bottom penetration resistance barrier, steel shank, shinguard and quick donning and doffing features for fire suppression personnel.

7½ oz. Nomex/Kevlar rip-stop fabric covers shaft of boot with married full grain cowhide leather covering shinguard, straps, and heel and vamp area.

Improved lock fit in heel area.

No angle shaft eliminates leg exposure from pant ride up.

Rounded straps protects against leg chafing and pant liner abrasion.

Sturdy back and side stays supports boot shaft when stacked on pants.

Crosstech Moisture Barrier with 7.5 oz Kevlar Thermal Barrier.

Removable insert for customizable comfort.

Oblique steel toe, steel bottom plate and shank.

PowerToe and Heel with Vibram Fire and Ice lug sole.

Meets or exceeds: .NFPA 1971 2007 edition and Class 75 impact resistance/compression resistance requirements of ASTM F2413-05.

Globe: Men's SUPRALITE 14" Pull-On Structural Firefighting Boot

Sizing Note: A different footbed insert is in the SupraLite which is slightly taller than the thinner footbed used with the Supremes and Shadows. This extra height makes the boots feel narrower. Please take this into consideration when ordering your size.

NFPA 1971 (Structural Fire Fighting) and NFPA 1992 (Liquid Splash) compliant.

Specifications

Flame Resistant, Waterproof Leather

Pebble grain leather with tumbled leather collar.

CROSSTECH® Footwear Fabric

A full-height bootie liner made from a package of Cambrelle®, 300g insulation, and CROSSTECH® moisture barrier provides protection unmatched by any other waterproof, breathable barrier.

DRAGONHIDE® Fabric

Fabric panels in shaft and flex joints are made from DRAGONHIDE® – a highly abrasion, cut, flame, and water-resistant fabric so tough that it is used to reinforce turnout gear.

3M SCOTCHLITE™ Reflective Material

Flame-resistant fluorescent and reflective piping.

HEELPORT™ Internal Fit System

Holds your heel securely so it won't slip while cushioning your ankle.

Molded Heel Counter

Individually molded to fit each size perfectly.

Composite Shank

Lighter than steel, doesn't transmit heat or cold, springs back to shape better.

Composite Puncture Protection

Far more flexible than a steel plate and doesn't transmit heat or cold. Exceeds NFPA standards for safety.

Vibram® Contoured Cup Outsole

Molded outsole wraps onto the leather upper for athletic shoe performance. Flame, abrasion, oil, acid and slip-resistant compound engineered for high-traction and durability even during prolonged exposure to extremes of heat and cold.

Slip Resistant Tread

Siping – thin slits cut into flat areas across the sole – open up when flexed to provide additional traction on water and ice. Self-cleaning lugs and omni-direction tread pattern designed for superior performance in all terrains and when working on ladders.

Pull-Straps

Flexible NOMEX® webbing pull-straps reinforced with leather slide easily under turnout pants and are kind to your legs.

NOMEX®/KEVLAR® Protective Shield

Protects the CROSSTECH® moisture barrier, provides cut resistance, and adds thermal protection.

3D Molded and Padded Shin Guard

Provides extra protection when you are working on a ladder.

Composite Safety Toe Cap

Lighter than steel, doesn't transmit heat or cold, and exceeds NFPA standards for safety.

Toe Bumper

Made from the same rugged compound as the outsole for abrasion resistance when crawling.

Dual Density Enhanced 3D Molded Footbed System

Removable dual density inserts are contoured to cradle and cushion the bottom of the foot and to

provide arch support. Urethane foam bottom layer for durable cushioning with PORON® foam top layer to mold to the foot and keep the feet cool. Moisture-wicking and anti-microbial fabric top layer. An additional EVA insert to use in conjunction with the footbed provides for a snugger fit as needed.

3D Composite Lasting Board

Boot uppers are lasted to a molded and contoured lasting board with built-in flex zone in the forefoot and a torsionally stable heel. Works together with the 3D molded footbed to conform to the shape of your foot.

Athletic Footwear Construction

2-part cross-linking adhesive bonds outsoles and the upper. Without stiff welts and ribbed mid-soles, this attachment process is far more flexible.

Pro Warrington 3009 14" Structural Firefighting Boot

Meets or exceeds NFPA 1971 (2007 Edition).

Vibram Technical lug sole provides outstanding abrasion, thermal and chemical resistant properties. Slip resistant tread design formulated with exclusive NFPA compound.

Reinforced scuff resistant toe of urethane impregnated leather.

Oblique shaped safety toe cap matches the natural contour of the foot for greater comfort. Toe area has high abrasion resistance due to oblique shaped toe distributing surface contact.

Reinforced stitched-down sole.

Corrosion resistant steel ladder shank and stainless steel, puncture resistant bottom plate.

Full wraparound Goodyear welt- adds support, reduces fatigue, and ankle sprains/strains. Welted construction retains its shape over the life of the boot so you keep that great fit.

Thermoplastic backpart molded heel counter ensures superior comfort, fit and durability. Will not lose shape if exposed to moisture.

Top grade Military AB water resistant leather for outstanding durability and comfort.

Exclusive bootie package of bacteria resistant Cambrelle quilted to 7.5 oz 100% Kevlar full thermal barrier laminated to full height **CROSSTECH** footwear fabric designed to exceed NFPA 1971 (2007 Edition).

CROSSTECH Moisture barrier encapsulates entire boot including foot bed. Thermal barrier mounted to the inside of the moisture barrier to prevent moisture wicking.

Pull straps are 3/4" wide and fully reinforced for extra strength.

Honeywell: Ranger Series Model 1500 Insulated Rubber Boots, 16", NFPA

Insulated and non-insulated models with a choice of Kevlar®/Nomex® or wool felt lining.

Constructed of natural rubber or a combination of natural and butyl rubber.

16" high / approx. 7 lbs.

Shoe-Fit™ construction.

Kevlar®/Nomex® lining (insulated).

Shinguard for additional ladder-rung shin protection.

Steel toe, plate, and shank.

Molded sole and removable insert.

Available widths: narrow, medium wide.

Available sizes: 3 to 16 full sizes / 5.5 to 15.5 half sizes.

Certified to NFPA 1971 and NFPA 1992.

HAIX: FIRE HERO XTREME 11" Leather Bunker Boot, Mens, NFPA

11" overall height protects without restricting the movement of wider calves.

HAIX® Sun Reflect Leather reduces radiant heating of the leather; keeps feet significantly cooler in hot sunlight.

HAIX® Secura Liner® inner liner will never pull out or even wrinkle up over time.

CROSSTECH® 4-layer technology for a waterproof, breathable, bacteria and chemical resistant, blood borne pathogen resistant boot.

Innovative protective toe cap of non-conductive carbon HX. Meets ASTM F2413-05 standard for protective footwear with less weight, more comfort.

All-new more slip-resistant nitrile rubber sole integrates non-slip edges, suction cups, and other features for superior traction on slick and wet surfaces.

HAIX AF Ankle Flex system provides additional, highly padded flex zones on the top and sides of the ankle, for optimal fit and flexibility without pressure points.

Anatomically formed fleece absorbs moisture and supports ankle in the footbed.

A white area at back of boot top acts as a nameplate that can be personalized with any permanent marker, for easy identification of your boots.

Reflective strips, profiled rubber toe cap, large boot straps on both sides, shin protection.

Polyurthane foam is injected into the midsole to optimize shock absorption and insulate against temperature extremes.

Certified NFPA 1971-2013, NFPA 1992-2005; NFPA 1992-2005; CAN/CSA Z195-2009; ASTM F2413-05.

Globe Men's Shadow 14" All-black Leather Structural Fire Boot, Pull-On, NFPA

FIRESTORM™ Leather - Heavyweight, flame-resistant and waterproof leather for durable performance. Leather has added reflective material at the heel for added nighttime visibility. Specially softened tumbled leather in high flex areas to move with you.

All-black upper: black leather, black thread, black toe bumper—no reflective trim.

Superior performance and protection, with the flexibility and comfort of a sneaker.

New, softer boot collar and Nomex webbing pull straps slide easily under narrow turnouts, stay comfortable against your calf.

Advanced composites in toe and shank provide more effective protection without the weight of steel.

Molded and padded shin guard provides extra protection from ladder rungs.

Full-height waterproof, breathable CROSSTECH® fabric bootie provides unmatched barrier protection.

Tested to withstand 1,000,000 flexes with no compromise in performance.

Anatomical HEELPORT™ foam insert holds your heel securely so it won't slip while cushioning your ankle.

A rugged heel counter is individually molded to fit each size perfectly.

A softer, wider calf for even the narrowest of turnouts.

LENZI® high-performance composite penetration-resistant insole is made from multiple layers of HT ceramic material - like ballistic armor for your feet. Exceeds NFPA standards for safety.

Contoured outsoles are cement bonded to the bottom and sides of the upper using a 2-part cross-linking adhesive that forms a bond stronger than the materials it attaches.

Outsole - Flame, abrasion, oil, acid, and slip resistant compound engineered for high-traction and durability even during prolonged exposure to extremes of heat and cold. Siping lines cut into flat areas open up when flexed to provide additional traction on water and ice. Self-cleaning lugs and omni-direction tread pattern designed for superior performance in all terrains and when working on ladders.

A protective shield of KEVLAR® and NOMEX® fiber batting protects the moisture barrier, provides cut resistance, and adds thermal protection.

Certified NFPA 1971 (Structural Fire Fighting) and NFPA 1992 (Liquid Splash) compliant.

Honeywell: Ranger Series Model 1000 Insulated Rubber Boots, 15", NFPA

15" high / approx. 6.3 lbs.

Constructed of natural rubber or a combination of natural and butyl rubber.

Shoe-Fit™ construction.

Kevlar®/Nomex® lining (insulated).

Shinguard for additional ladder-rung shin protection.

Steel toe, plate and shank.

Molded sole and removable insert.

Available widths: narrow, medium wide.

Available sizes: 4 to 16 full sizes / 5.5 to 15.5 half sizes.

Certified to NFPA 1971 and 1992.

Honeywell: Ranger Series Model 1600 Insulated Rubber Boots, 16", NFPA

16" high / approx. 6.7 lbs.

Constructed of natural rubber or a combination of natural and butyl rubber.

Shoe-Fit™ construction.

Insulated with wool felt lining..

Steel toe, plate and shank.

Molded sole and removable insert.

Available widths: narrow, medium wide.

Available sizes: 3 to 16 full sizes / 5.5 to 15.5 half sizes.

Certified to NFPA 1971 and 1992.

Thorogood Women's Rubber Insulated Felt Fire Boot With Lug Sole, NFPA

Water Proof.

Crush Proof Safety Toe.

Electrical Hazard Protection.

Upper: Flame/heat-resisting rubber.

Construction: Vulcanized rubber/shoe felt engineered.

Outsole: Flame/heat resisting white "traction lug".

Lining: 3.5mm polyester needled felt with heel reinforcement.

Insole: Removable superknit covered polyurethane.

Midsole: Stainless steel puncture resisting bottom plate.

Shank: Steel triple ladder shank.

Certified NFPA 1971-2013 Standard on Protective Ensemble for Structural Fire Fighting 2007 Edition;

NFPA 1992-2012 Standard on Liquid Splash-Protective Ensembles and Clothing for Hazardous Materials

Emergencies; NFPA 1500, Fire Department Occupational Safety and Health Program; and ASTM F 2413-

11 M I/75 C/75 PR EH.

Cosmas 13" Java Bunker Boot with Felt Lining

Handmade from 100% vulcanized waterproof rubber.

Black with high visibility yellow trim and 3M reflective piping around the outsole for optimum visibility.

Wool felt lining provides added insulation and safety.

Vulcanized pull-on loops enable easy donning and doffing.
100% polyurethane insole reduces foot, leg, and back fatigue.
Protective midsole features a puncture resistant steel plate and a steel ladder shank.
Lug outsole is non-slip, abrasion resistant, self-cleaning, and resistant to hydrocarbons.
Features an ASTM and CSA Grade 1 steel toe cap.
On average, boots weigh about 8.0 lbs. per pair.
Certified to NFPA 1971, Standard on Protective Ensembles for Structural Fire Fighting, 2013 Edition.
100% top to bottom 3 year warranty.

Example NFPA Certified Turnout Gear

Globe: TheFireStore Spec Classix Coat

Left Chest Radio Pocket, Right Chest Survivor Pocket.
Certified to NFPA 1971 (Structural Fire Fighting).
Free-Hanging Throat Tab: Stays out of the way when not deployed.
YOCCO™ Drag Rescue Device: Is easy to deploy when you need it, out of the way when you don't.
TRIMTRAX® Thread Protection: Trim attached with cording that lasts far longer than conventional stitching.
Dual-Action Cargo Pockets: With KEVLAR® fabric reinforcement inside
Drop Shoulder Design moves seam beyond the shoulder for improved reach and reduced coat ride up.
Shorter Collar for better interface with helmet.
Double Sleeve Wells with NOMEX® wristers to keep water out and interface with all glove styles.
Liner Access Opening for easy access between the layers.
Double-Stitched Seams with 8 - 10 stitches per inch for a longer service life.

Globe: TheFireStore Spec Classix Pants

Low-rise pants.
Vertical fly closure with hook and dee positive closure and take-up straps or optional belt.
Padded H-Back ripcord suspenders attach to horizontal loops so there is no metal hardware to dig in or pull out.
Thermally enhanced flex liner knees add mobility and a layer of thermal and moisture barrier to protect this high-compression area.
Diamond crotch gusset distributes stress in both shell and liner for durability.
Independent stretch waistband for unrestricted fit and no-gap protection with liner.
Liner access opening on fly for easy access between the layers.
Reverse boot cut is shorter in the back to avoid premature cuff wear.
Trimtrax® thread protection with patented cording lasts far longer than conventional stitching.
Double-stitched seams with 8—10 stitches per inch for a longer service life.
Certified to NFPA 1971 (Structural Fire Fighting).

Fire-Dex: Nomex III Deluxe Chieftain Express Turnout Gear Coat with Q8 Thermal Liner and Stedair 3000 Moisture Barrier

32" Coat.
3M Scotchlite Reflective Material, NYC Configuration.

DexFlex Back.
Black PCA reinforced cuffs.
XP11 Double Notch Radio Pocket (9x3x2).
Black Nomex® Mic Clip.
Two XP34 Semi-Bellow Handwarmer Pockets (9x9x2).
Nomex knit wrists with thumb holes.
Closure: Inner – Zipper, Outer – H & L.
Trim style is 3" NYC.
Material is PCA.

Fire-Dex: Nomex III Deluxe Chieftain Express Turnout Gear Pants with Q8 Thermal Liner and Stedair 3000 Moisture Barrier

Regular rise pant with 6" rear panel.
Inner zipper, outer Hook & Loop closure.
3M Scotchlite Reflective Material in 3" NYC Configuration.
10x8" black PCA knee patches.
DexFlex Knees.
Two Full Bellow Cargo Pockets (10x10x2).
Handwarmer hand pockets (9x9x2).
Reversed Tapered Cuff reinforced with black PCA.
XP11 Double notched radio pocket (9x9x2).
XMCLPB Mic Clip.
Reinforcements on the knees and cuffs.

Fire-Dex: Gemini XT FX-M Express Turnout Gear Pants with Caldura SL2i Thermal Liner and Stedair 4000 Moisture Barrier

Regular rise pant with no rear panel.
Inner zipper, outer Hook & Loop closure.
3M Scotchlite Reflective Material in 3" NYC Configuration.
12x9" 1-layer foam knees, reinforced with black PCA.
DexFlex Knees.
Two Full Bellow Cargo Pockets (10x10x2).
Handwarmer hand pockets (9x9x2).
Reversed Tapered Cuff reinforced with black PCA.
XP11 Radio pocket (9x3x2).
XM12 Mic Clip (1x5).
Reinforcements on the knees and cuffs.
Long Nomex knit wrist with thumb loop.

Fire Dex: Gold FXA Express Coat, 7.2 oz Advance-Nomex/Kevlar

Advance Nomex®/Kevlar® in gold, khaki, or black with Xtra Lite® thermal liner and Stedair® 3000 moisture barrier.
32" Length.
Inner zipper, outer Hook & Loop closure.
3M Scotchlite Reflective Material, NYC Configuration.

DexFlex Elbows & Back.
Black PCA reinforced cuffs.
XP11 Radio Pocket (9x3x2).
XP12 Fabric Strap (1x5).
Two XP34 Semi-Bellow Handwarmer Pockets (9x9x2).
XM01 Long Nomex knit wrists with thumb loop.

Morning Pride: TheFireStore Spec Structural Firefighting Bunker Gear, NFPA 1971

Jacket Specifications:

Outer shell: 7.5 oz Kevlar/Nomex.
Thermal liner: 2 layer Spunlace/Meta-Aramid facecloth.
Moisture barrier: PTFE/Nomex/ParaAramid.
Foldover comfort chinstrap.
Drag rescue strap.
Inspection port liner.
Take up straps to postman.
Tabbed Nomex wristlets.
Kevlar/Nomex hem patch with VELCRO® brand.
1.5" VELCRO® brand and zipper coat closure.
Half high bellows pockets: Kevlar/Nomex 6" H x 9" W x 1.5" D.
Mic tab on the left chest, above radio pocket, 0.5" x 2.5".
Radio pocket, left chest, 8" H x 3" W x 2" D.
Lanyard flashlight clip, right chest.

Pant Specifications:

Outer shell: 7.5 oz Kevlar/Nomex.
Thermal liner: two layer Spunlace/Meta-Aramid facecloth.
Moisture barrier: PTFE/Nomex/ParaAramid.
Narrow 1.5" VELCRO® brand fly with D-ring closure.
PortLiner.
Detachable liner.
Lime 3" cuff trim and 2-tone Scotchlite.
Patented angled boot cuffs.
BiFlex heat channel knees "sewn in".
Take up straps to postman.
Bellows pockets 8" H x 8" W x 2" D.

Lion: V-Force TFS, Turnout Pants

Five inch back panel extends above the waist.
Pant Liner & Moisture Barrier: Traditional Liner, Glide™ face cloth quilted to 2.3oz NOMEX®/Kevlar® spunlace & 1.5 oz AraFlo® Dri, CROSSTECH® BLACK (Type 2F) PTFE/Nomex® Pajama Check laminated membrane.

Outer Shell: PBI Matrix Plus 7.0 oz.

Pant Fly Closure: Sewn on pant fly with PJ Crosstech®, closure thermo zipper inside with 1.5" hook & loop, 3/4" hook underneath PJ crosstech for liner attachment.

Take Up Straps: 1 pair 1 x 8.5" self fabric take-up straps w/ 1" x 3" hook on end & 1" x 4.5" loop on opposite end, 1" x 2.5" strap w/one 1" nickel loop, take-ups bartacked to shell.

Pant Knee Reinforcement: Black poly coated aramid contoured knees with Lite-N-Dri padding.

Pant Cuff Reinforcement: Black poly-coated aramid pant cuffs and 3x3.5" kick shield.

Turn-Out Pockets: 9" x 10" x 2" split bellow pocket with Kevlar® lined on all 4 sides, 2 x 9" loop on pocket, 1.5 x 3" hook on flap, antenna notch on flap-specify location, split 5" front and 4" rear.

Turn-Out Pockets: 9" x 10" x 2" pocket with Kevlar lined on all 4 sides, (2) add layers of outer shell fabric lined with Kevlar on shell inside pocket, first layer is 6.5" high, second layer is 4.5" high, both layers stitched in 3" increments to create 6 combined, 1.5 x 3" hook on shell.

Leg Tabs: Standard, 2 black leather leg tabs per leg, with non-logo female snaps.

Reflective Trim: Ventilated 3" strip above cuffs, 3M™ Scotchlite™ Triple Trim, Yellow / Silver.

Hi-Back Pants design offers consistent support and easy attachment to matching V-Back™ Suspenders (*Not included*).

Liner Inspection System: Pant liner inspection system with 1 x 3" loop located at right side of liner waist. 1 x 3" hook sewn to right shell front for the pant liner inspection system.

Lion: V-Force TFS, 32" Bi-Swing Turnout Coat

Outer Shell: PBI Matrix Plus: 7.25 oz.

Coat liner inspection system located at center right front of liner, with 1x4" loop.

Waterwells -Chambray DWR 2-Layer NOMEX®/Kevlar® spunlace quilt/pajama check crosstech with 1" elastic wrist shield. W-well with 3/4" loop, male snap, sewn to coat liner sleeves.

Coat Wristlets: 8" isodri® over the hand- KEVLAR® / NOMEX® / Spandex® construction.

Coat Inner Yoke Reinforcement: Semper Dri® front and back yokes sewn to coat thermal liners.

Coat Closure System: 2.5" stormflap (Square Corners) with 2 layer self fabric & 1 layer Gore RT7100 PTFE, thermo plastic zipper in, 1.5" hook & 1.5" loop out (zipper in, hook on coat front, loop on stormflap with poly-coated aramid tab for V-Fit Bi-Swing coat.

Coat Elbow Reinforcement: Contoured Black poly-coated aramid elbow patch w/ 1 layer GIC E-88 foam padding. V-Force Bi-Swing.

Coat Collar: 3" split self fabric collar with CROSSTECH® PJ lined. 1 x 3" hook on each end inside and two pieces 1" hook set 1/2" from center along top edge for liner attachment. 1.5 x 4" hook & loop for front closure.

Throat Tab: 4 x 11" contoured collar throat tab with Gore RT7100, 2 x 2" hook on tab, 2 x 2" loop on bottom tab & collar, tab set on right end of collar, 2 x 3" loop on left side of collar, 2 x 2" loop on right side of collar & 2 x 2" hook on top side of collar tab for throat tab storage.

Coat Shoulder Reinforcement: Self fabric shoulder caps.

Coat Cuff Reinforcement: Self-Fabric Cuff Reinforcements.

Turn-Out Pockets: Two 9 x 9 x 2" semi bellow & handwarmer combined pocket with 6" opening on side, Kevlar® twill backer, handwarmer lined with semper dri. 1.5 x 3" loop on pocket & 1.5 x 3" hook on flap, 2 layers lite-n-dri inside flap corner & PCA tab out.

Turn-Out Pockets: 3.5 x 7.5 x 2" Radio Pocket with polycotton fully lined 3 sides inside pocket 5.25" divider, 2 x 3" loop on pocket & 2 x 3" hook on flap. Antenna notch on both sides of flap.

Mic Tab: 1" x 3" triple layer self fabric mic tab bartacked on each end.

Flashlight Strap: 1 x 10" 2 layers self fabric flashlite strap X-stitched to shell with 1 x 3" hook and loop. 1 x 3" triple layer self fabric mic tab bartacked at each end 2" above flashlight strap. 701 reverse snap hook

riveted to shell with leather backing 2" above mic tab.

Misc. Fasteners: 1 Dee ring attached to coat.

Belts and Harnesses: DRD: Firefighter Recovery Harness with 2" welt and 5.25 x 2.25" flap with rounded corners. 1 x 2" loop for harness storage. 1 x 2" loop on shell flap closure, 1 x 2" hook on flap. 1.5 x 2" hook on harness. 2 x 2" loop underneath chest trim for harness storage, 1 pair 1 x 3.5" self-fabric straps with 1 x 2" hook and loop. The loop handle has a silver retro-reflective LION logo patch.

Reflective Trim: 3" New York Style trim pattern for V-Force. Ventilated Yellow 3M™ Scotchlite™.

Hangar Loop: Standard 5/8" x 5 1/2" self fabric hanger loop.

Example Tools Carried/Utilized by Firefighters in Structural Firefighting

Examples

Fire Pole Systems

Fire Axes

Rubber Mallet

McLeod Tool

Channellock Rescue Tool

Hydrant Wrenches

Scoop

Shovel

Fire Rescue Chain Saw

Broom

Fire Rake

Sledge Hammer

Pry Bar

Wedge

Fire Swatter

Hooks

Window Punch

Halligan Bar

Knives

Attachment D

Category 3 - Wildland Firefighter's Equipment

Example Boots

Pro Warrington: 3003 8" Wildland/Station Boot, NFPA 1977

Military AB water resistant leather for outstanding durability, breathability and comfort.

Oblique shaped steel toe for added protection and comfort.

Stitched-down sole.

Abrasion and bacteria resistant Cambrelle lining.

Foam filled comfort collar that will not chafe.

Dual function closure system for enhanced ankle support and fit plus zipper for rapid donning and doffing.

Thermoplastic backpart molded heel counter ensures superior comfort, fit and durability. Will not lose shape if exposed to moisture.

Full wraparound Goodyear welt. Adds support, reduces fatigue and ankle sprains/strains. Welted construction retains its shape over the life of the boot so you keep that great fit.

Triple linear ridge shank for increased arch support and puncture resistant steel bottom plate.

Vibram Technical Lug non-marking outsole, combined with special fire retardant NFPA compound, for improved traction and durability.

NFPA Certified 1977 Wildland.

Haix: Airpower XR1 Dual-Certified Wildland, EMS, Station Boot, NFPA

Certified for Wildland Firefighting and EMS.

Secura Liner® - will never wrinkle up or pull out over time.

HAIX® Sun Reflect leather keeps feet cooler in direct sunlight.

HAIX® Arch Support System supports your foot in its natural, ideal position.

Insole is anatomically formed, quick change, machine washable insert with excellent moisture absorption and quick drying qualities.

Anatomically formed fleece absorbs moisture and supports ankle.

Anatomically formed and softly padded tongue, integrated heel bend, raised tip.

Carbon protective toe cap and exterior rubber toe cap.

Puncture protection sole.

Crosstech moisture barrier is 4 layers with inner Cambrelle lining, abrasion resistant, softly padded with breathable foam. It is waterproof, breathable, bacteria, chemical, and bloodborne pathogen resistant.

Heat resistant rubber sole.

Slip resistant rubber sole.

Black.

Waterproof Leather.

Height: 9".

Flexible protective and metal-free, cast into the midsole, to meet ASTM F2413-11 and CAN/CSA Z195-2009 standard for personal protection – protective footwear.

NFPA 1977-2011, NFPA 1999-2013, ASTM F 2413-2011, CAN/CSA Z195-2009.

8" Station/EMS Boot, Men's, NFPA

Upper material is soft, supple waterproof leather; hydrophobic, breathable, 1.8 – 2.0 mm thick. Every step produces a pumping movement that literally blows moisture outside through air-permeable materials and larger air holes in the upper leg.

Provides excellent arch support which, when combined with the heel construction, holds and stabilizes your foot while allowing more freedom of movement in the forefoot area.

Heel bend improves ankle flexibility and increases freedom of movement while retaining ankle stability. Reduces pressure on the Achilles tendon while kneeling and/or driving.

Moisture barrier is waterproof, breathable, bacteria and chemical resistant, bloodborne pathogen resistant.

Inner lining is 4 layers, with inner Cambrelle® lining especially abrasion resistant, softly padded with breathable foam.

Footbed is anatomically formed, quick change, machine washable insert with excellent moisture absorption and quick drying qualities.

Insole is anatomically formed fleece absorbs moisture and supports ankle.

Foam is injected into the midsole to optimize shock absorption and insulate against temperature extremes.

Anatomically formed protective toe cap meets ASTM F 2413-05, CAN/CSA Z 195-2002 standard for protective footwear.

Protective flexible midsole is stainless and case into the sole. Meets ASTM F 2413-05, CAN/CSA Z 195-2002 standard for personal protection - protective footwear.

Slip resistant rubber sole with polyurethane damping wedge, self cleaning tread, non-marking, oil and fuel resistant, with antistatic characteristics.

Puncture protection sole.

Zipper is securely mounted in the boot to allow for very quick entry and exit with optimum comfort while limiting lace exposure to snags.

Novel terrain and street tread with 3 tread levels for longer service life. Superior wear resistance, excellent anti-slip properties even in the cold, resistant to oil and fuel, non-marking.

Anatomically formed and softly padded tongue, integrated heel bend, raised tip.

Meets NFPA 1999-2013 edition, ASTM F 2413-05, CAN/CSA Z 195-2002.

Thorogoods 10" Wildland Hellfire Fire Boot

Upper: 6-7 oz. Black Oil Tanned Logger Leather. FLAME and Cut-Resisting Leather.

Construction: Goodyear Storm Welt.

Lining: Dri-Lex® Tongue, Comfort Weave Vamp.

Insole: Removable Felt Footbed.

Midsole: Rubber and Leather.

Shank: Composite.

Outsole: Thorogoods Vibram® FIRE Sole.

Special Features: Kevlar® Thread and Lace. Tip stitching for extra secure sole attachment. Meets the requirements of NFPA 1977 Protective Clothing and Equipment for Wildland Fire Fighting, Current Edition. UL Certified. Made in USA by ISO 9001 Certified Shoe Company.

Thorogoods 9" Hellfire Wildland Boot

Upper: Black Panther Oiled Leather, FLAME, and Cut-Resisting Leather.

Construction: Goodyear Storm Welt.

Lining: Dri-lex® Tongue, Comfort Weave Vamp.

Insole: Removable Felt Footbed.

Midsole: Rubber and Leather.

Shank: Composite.

Outsole: Thorogoods Vibram® FIRE Sole.

Special Features: Kevlar® Thread. Meets the Requirements of NFPA 1977 Protective Clothing and Equipment for Wildland Fire Fighting, Current Edition. UL Certified. Made in USA by ISO 9001 Certified Shoe Company.

Thorogoods 10" Wildland Boot with Zipper

Upper: Black Panther Oiled Leather. FLAME and Cut-Resisting Leather with Scuff-Resisting "Shark-Skin" Leather Toe and Heel Counter.

Construction: Goodyear Storm Welt.

Lining: Dri-Lex® Tongue, Comfort Weave Vamp.

Insole: Removable Felt Footbed.

Midsole: Rubber and Leather.

Shank: Steel Triple Ladder Shank.

Outsole: Thorogoods Exclusive Vibram® FIRE Sole.

Special Features: Meets the Requirements of NFPA 1977 Protective Clothing and Equipment for Wildland Fire Fighting, Current Edition. UL Certified. Lace-in YKK Duty Zipper. Made in USA by ISO 9001 Certified Shoe Company.

10" I-Met Structural/TRI/Wildland Boot

Upper: Black Boulder WATERPROOF, FLAME, and Cut Resisting Leather With Scuff-Resisting Vibram® Rubber Toe Bumper.

Construction: Goodyear Storm Welt.

Lining: Comfort Weave / Sympatex® WATERPROOF Barrier, Blood Borne Pathogen Compliant.

Insole: Polyurethane Removable Footbed on Flexible Double Rubber.

Midsole: Rubber.

Shank: Steel Triple Ladder Shank.

Outsole: Exclusive Vibram® FIRE Sole with chiseled edge lugs.

Special Features: I-Met Metatarsal Protection. L-Protection™ Puncture-Resisting Insole Material. This utility and rescue and recovery protective ensemble footwear element meets the requirements of NFPA 1951, Standard on Protective Ensembles for Technical Rescue Incidents, 2007 Edition. This wildland fire fighting protective footwear meets the requirements of NFPA 1977, Standard on Protective Clothing and Equipment for Wildland Fire Fighting, 2005 Edition. ASTM F 2413-05 M/I/75/C/75 Steel Toe. Electrical Hazard Tested For and Meets CAN/CSA-Z195 Electrical Shock Resistance Standard. Made in USA by ISO 9001 Certified Shoe Company.

Hercules V2 9" Leather Wildland Boot

Full-grain, water, flame, chemical, and cut resistant leather upper protects your foot.

Accordion-style flex point in the Achilles area allows the boot to flex where you do.

Fire-resistant Kevlar® thread throughout the upper ensures durability under fire.

Dual-Zone Contact™ Lacing System: Anatomically asymmetrical, with free floating lace points that allow the upper to conform precisely to the shape of each individual's foot.

Bi-zonal Lacing: The first speed hook is a lace lock, allowing you to tighten the boot in the forefoot area, lock the lace, then tighten the upper part of the boot for a custom fit.

Anti-microbial removable footbed with molded EVA heelcup and arch conforms to your foot providing comfort and support.

Molded heel counter cups heel and provides support.

Tapered microfiber heel slide for ease of donning and doffing. Stitching is offset to prevent premature wear and blisters.

Open cell polyurethane foam padding is strategically placed throughout the upper for superior comfort and support.

Welted construction allows for resoling, extending the life of your boots.

THOROGOOD FIRE > EMS > 8" POWER EMS/WILDLAND BOOT

Safety Toe.

Blood Borne Pathogen.

Electrical Hazard.

Electric Shock Resistance.

Puncture Resisting.

Slip Resisting.

Wildland Fire Fighting.

Waterproof.

Upper: Black Prime WATERPROOF, FLAME, and Cut-Resisting Leather, 3M Scotchlite Reflective Material.

Construction: Goodyear Storm Welt.

Lining: Cambrelle® / Sympatex® WATERPROOF Barrier. Blood Borne Pathogen Compliant.

Insole: Dual Density Polyurethane Removable Footbed .

Midsole: Rubber.

Shank: Steel Triple Ladder Shank.

Outsole: Vibram® FIRE and ICE Slip Resisting Sole.

Special Features: Flexible L-Protection® Puncture-Resisting Insole Material. Two Row Padded Leather Top. Shaft Vapor Exhaust Vents. This footwear meets the requirements of NFPA 1999, Standard on Protective clothing for Emergency Medical Operations, 2008 Edition. This wildland fire fighting protective footwear meets the requirements of NFPA 1977, Standard on Protective Clothing and Equipment for Wildland Fire Fighting, 2005 Edition. ASTM F 2413/05 M/I/75/C/75 COMPOSITE SAFETY TOE. Electrical Hazard. Tested For and Meets CAN/CSA/Z195 18,000 Volts Electric Shock Resistance Standard. 3M Scotchlite Reflective Material - High Visibility Piping.

Example Gloves

Pro-Tech 8: Fusion Structural / Wildland Firefighting and Extrication Glove, NFPA

Lightweight glove breaks in extremely fast and remains soft and flexible after use and washing.

Fire-retardant, breathable, mesh knit polymer liner provides blood borne pathogen/liquid resistance and reduces friction during donning and doffing.

Outer palm layer's distinctive stitching prevents the material from bunching up and promotes the most efficient grip of any NFPA compliant structural glove.

Ring and middle fingers' palm sides are cut and sewn independently for enhanced dexterity

Unique flexible 7-layer knuckle guard system provides repetitive thermal protection and cut/puncture resistance at the vulnerable knuckle compression point.

Gathered stitching around the entire wrist provides a secure fit and prevents debris from entering the glove.

Independently certified to NFPA 1971-2013 Edition by the Safety Equipment Institute, Virginia.

Materials and Layering

Outermost Palm Side Layer: Highly flexible and durable water repellant goat skin suede.

Second Palm Side Layer: Cut and heat resistant knitted Kevlar/Nomex.

Palm Side Inner Liner: 100% modacrylic mesh knit.

Palm Side Fingers: Knitted 100% modacrylic.

Outermost Back Side Layer: Layer of suede leather and layer of cut and heat resistant 100% Kevlar® knit that runs the length of the glove from finger tips to cuff edge.

Back Side Inner Liner: Mesh knit modacrylic.

Back Side Fingers: Knitted modacrylic.

Finger Sidewalls: Outer layer of Kevlar/Nomex and two additional layers of 100% modacrylic knit.

Knuckle Guard: Outer layer of 100% Kevlar®, two layers of silicon carbide both fused to 100% Kevlar®, another layer of 100% Kevlar®, and another layer of modacrylic knit.

Glove Interior: Two layers of highly breathable, completely sealed, polyurethane membrane to prevent liquid penetration and protect against blood borne pathogens.

Moisture Barrier: NFPA 1971 compliant Porelle FR 540.

100% Kevlar® high burst thread is used throughout the gloves.

Reflective tape is used on the glove's back side near the wrist area.

Shelby Pigskin Wildland/Rescue Glove

3oz. Shelby® Popcorn and black Color Pigskin, Wildland/Rescue with wristlet. CE Compliant. Meets NFPA 1977 Standard on Protective Clothing and Equipment for Wildland Fire Fighting, 2005 Edition.

Shelby 5002 & 5002F Specifications

Outer Shell: Heavy 3 to 3.5 oz., popcorn or black color abrasion resistant, multidirectional fiber structure, brushed pigskin. Tanned hide does not contain PCP (pentachlorophenol), its salts or esters. 5002F no wristlet and all popcorn color.

Pattern: Gunn cut, keystone double layer thumb crotch protection. 6mm wide, double row stitching around inset thumb.

Storage Attachment: Leather, 6mm x 51mm cut length, double stitched 38 mm apart.

Binding: Black 29mm Cotton (only model 5002F).

Wrist Shirring: 10mm Natural Elastic.

Thread: Lock-Stitch sewn with Kevlar thread, 8-10 stitches per 25mm. Spun Kevlar thread, tex 70,27.5 to 30.0/4 count, minimum break 12.0#.

Made in U.S.A.

Design & Construction

Anatomically designed gunn cut, keystone glove & thumb pattern. The glove body shall extend 1" above the wrist crease & shall have shirred elastic snuggler. Glove shall have bound hem & be machine washable.

Example Pants

FeldFire CrewBoss Nomex Brush Pant

Designed to equip Wildland firefighters with the best in personal protective clothing, CrewBoss Brush pants offer an extensive list of features that provide unequaled strength and support. With the sewn in support of 10 bartacks along stress points, the extensive use of double needle seams and the crotch reinforcement panel, the Wildland Brush pant is ready to stand up to the toughest job. The roomier cut and elastic back band help to bring additional comfort to the firefighter while the unidirectional bellow thigh pockets with hook and loop closures bring additional functionality to any operation. With all these features and a proven history of reliability, it's no wonder that the CrewBoss Wildland Brush pant is a favorite on the fire line.

Features:

- Elastic back band for ultimate freedom and comfort.
- Seven oversized belt loops to accept 2 web belts.
- Two generous rear pockets.
- Oversized, extra-deep front slash pockets.
- Extra roomy leg and seat cut.
- Original crotch reinforcement panel.
- Unidirectional bellow thigh pockets with full flap closures.
- Hook and loop ankle straps covered with Nomex® fabric for heat resistance.
- Brass, self-locking zippered fly with snap closure.
- Nomex thread throughout.
- Stress points bartacked at 10 locations for maximum durability.
- ISO 9001 registered and certified by Underwriters Laboratories Inc.®
- Available in sizes Small through 3XL.

Coaxsher CX Wildland Brush Pant

Comfortable: Seamless crotch design minimizes chafing.

Fit & Mobility: Articulated areas along with an aggressive cut provide excellent fit and mobility.

Durable: Double reinforced in high-stress areas to take the abuse.

Features

- Minimize chafing with our new underside pattern design.
- Articulated areas provide excellent comfort and fit.
- Aggressively cut for maximum mobility.
- Double reinforced in high-stress areas to take the abuse.
- Super tough black oxidized YKK fly zipper assures a long life.
- Double closure system with Mil-Spec Velcro and melamine button makes a solid closure system which gives redundancy and reliability in the field.
- 100% Guarantee.
- Designed and built to NFPA 1977-2011 specifications.

Technical Specs

Material: NOMEX® IIIA, 6.8oz.
NOMEX® CRAQ-SPUN® Thread.
YKK® Zipper Pulls & Tape.
Melamine Buttons.
Mil-Spec Velcro.
Single Needle Tailoring.
Total Weight (Size: L): 23 oz. / 1.44 lbs. / 0.65 kg.

Coaxsher CX Wildland Vent Brush Pant

Breathable: XVent design provides air flow keeping your lower body cool.
Comfortable: Seamless crotch design minimizes chafing.
Fit & Mobility: Articulated areas along with an aggressive cut provide excellent fit and mobility.
Durable: Double reinforced in high-stress areas to take the abuse.

Features

Patent Pending XVent Technology makes these pants the coolest period.
Minimize chafing with our new underside pattern design.
Articulated areas provide excellent comfort and fit.
Aggressively cut for maximum mobility.
Double reinforced in high-stress areas to take the abuse.
Super tough black oxidized YKK fly zipper assures a long life.
Double closure system with Mil-Spec Velcro and melamine button makes a solid closure system which gives redundancy and reliability in the field.
100% Guarantee.
Designed and built to NFPA 1977-2011 specifications.

Technical Specs

Material: NOMEX® IIIA, 6.8oz.
NOMEX® CRAQ-SPUN® Thread.
YKK® NOMEX® Zipper Pulls & Tape.
Melamine Buttons.
Mil-Spec Velcro.
Single Needle Tailoring.
Total Weight (Size: L): 26 oz. / 1.63 lbs. / 0.74 kg.

CX Urban Interface Vent Pant

Breathable: “Xvent” design provides air flow keeping your internal core temperature cooled.
Comfortable: Seamless crotch design minimizes chafing.
Fit & Mobility: Articulated areas along with an aggressive cut provide excellent fit and mobility.
Durable: Double reinforced in high-stress areas to take the abuse.

Features

Patent Pending "XVent" Technology makes these pants the "coolest" period.
Minimize chafing with our new underside pattern design.
Articulated areas provide excellent comfort and fit.
Aggressively cut for maximum mobility.
Bar Tacked and Stitched with high-quality Nomex® Thread.
Double reinforced in high-stress areas to take the abuse.
Super tough black oxidized YKK fly zipper assures a long life.
Double closure system with Mil-Spec Velcro and melamine button makes a solid closure system which gives redundancy and reliability in the field.
Excellent Moisture Management.
100% Guarantee.
UL® Certified to NFPA 1977-2011 Specifications.

Technical Specifications

Material: TECASAFE™ PLUS 7oz. by Tencate.
NOMEX® CRAQ-SPUN® Thread.
YKK® NOMEX® Zipper Pulls & Tape.
3M® Reflective Trim.
Melamine Buttons.
Mil-Spec Velcro.
Single Needle Tailoring.
Total Weight (Size: L): 26 oz. / 1.63 lbs. / 0.74 kg.
UL® Certified to NFPA 1977-2011 Specifications.

Vector Wildland Fire Pant

Features

Minimize chafing with our new underside pattern design.
Aggressively cut for maximum mobility.
Double reinforced in high-stress areas to take the abuse.
Super tough black oxidized YKK fly zipper assures a long life.
Double closure system with Mil-Spec Velcro and melamine button makes a solid closure system which gives redundancy and reliability in the field.
100% Guarantee.

Technical Specifications

Material: Tecasafe® Plus 700.
NOMEX® CRAQ-SPUN® Thread.
YKK® Zipper Pulls & Tape.
Melamine Buttons.
Mil-Spec Velcro.
Single Needle Tailoring.

Total Weight (Size: L): 21 oz. / 1.31 lbs. / 0.60 kg.
UL® Certified to NFPA 1977-2011 Specifications.

CX Wildland Vent Pant, Tecasafe

Breathable: “XVent” design provides air flow keeping your body cool.

Comfortable: Seamless crotch design minimizes chafing.

Fit & Mobility: Articulated areas along with an aggressive cut provide excellent fit and mobility.

Durable: Double reinforced in high-stress areas to take the abuse.

Features

Patent Pending “XVent” Technology makes these pants the “coolest” period.

Minimize chafing with our new underside pattern design.

Articulated areas provide excellent comfort and fit.

Aggressively cut for maximum mobility.

Double reinforced in high-stress areas to take the abuse.

Super tough black oxidized YKK fly zipper assures a long life.

Double closure system with Mil-Spec Velcro and melamine button makes a solid closure system which gives redundancy and reliability in the field.

100% Guarantee.

UL® Certified to NFPA 1977-2011 Specifications.

Technical Specifications

Material: 7oz. Tecasafe Plus.

NOMEX® CRAQ-SPUN® Thread.

YKK® NOMEX® Zipper Pulls & Tape.

Melamine Buttons.

Mil-Spec Velcro.

Single Needle Tailoring.

Total Weight (Size: L): 26 oz. / 1.63 lbs. / 0.74 kg.

UL® Certified to NFPA 1977-2011 Specifications.

Crew Boss: Interface Brush Pants, NFPA

Features

Full cut Interface design, available in Advance®, Nomex® IIIA, and FR Cotton fabrics.

Fully covered zipper front closure with #10 brass zipper mounted on Nomex tape.

Caped shoulder design with built-in ease for full freedom of movement.

Gusseted cuff with hook and loop closure for adjustment.

Alpine-style collar.

Radio pocket with microphone tab.

Uni Large interior storage pocket and glove hanger tab.

Hi-viz/Reflective 3M triple trim wraps fully around hem, around chest/back, and around arms.

Nomex® thread throughout.

Optional soft FR cotton button-in liner for added warmth when you need it. Choose red or blue.

ISO 9001 registered and certified by Underwriters Laboratories Inc.
UL certified to NFPA 1977, 2005 Edition (Certification to 2011 Edition pending at this writing).
ISO 9001 registered facility.
Available in sizes Small through 3XL.
Made in USA
Directional front cargo pockets with concealed hand warmers.
UL Certified to meet NFPA 1977, 2005 Standard on Protective Clothing and Equipment for Wildland Fire Fighting.

Example Shirts

Vector Wildland Fire Shirt

Features

Excellent Moisture Management.
Soft and Lightweight Fabric Provides Unmatched Comfort.
FR Properties Won't Wash or Wear Out.
Ideal Pocket Layout & Design.
Two Chest Pockets.
UL® Certified to NFPA 1977-2011 Specifications.
Lifetime Warranty.

Technical Specifications

Material: Tencate Tecasafe® Plus 580.
NOMEX® CRAQ-SPUN® Thread.
Melamine Buttons.
Mil-Spec Velcro.
Single Needle Tailoring.
Total Weight (Size: XL): 16 oz. / 1.0 lb. / 0.45 kg.
UL® Certified to NFPA 1977-2011 Specifications.

Coaxsher CX Wildland Brush Shirt

Superior Breathability: Our patent pending Xvent system provides vent openings allowing body heat to escape while letting cooler air in creating body torso airflow.

Unrivaled Maneuverability: To provide the user with extra mobility, we have carefully designed the back shoulder gusset area so it doesn't restrict movement.

Ideal Pocket Layout: Larger sized pockets for storage, easy access and closure via Mil-Spec Velcro, specially designed for writing tool, and handy arm pocket to store personal items like gum, lip balm, cell phone, etc.

Unmatched Comfort: Specially-designed shoulder pockets create space for fire-retardant padding to be inserted for greater shoulder comfort.

Features

Patent Pending Xvent system Allows Body Heat to Escape.
Excellent Moisture Management.
Soft and Lightweight Fabric Provides Unmatched Comfort.
Back Shoulder Gusset Allows for Excellent Maneuverability.
FR Properties Won't Wash or Wear Out.
Ideal Pocket Layout & Design.
Top Shoulder Pockets Fits Fire-Retardant Padding for Shoulder Protection.
Two Chest Pockets.
Two Arm Pockets.
Lifetime Warranty.

Stryker Wildland Fire Shirt

The Stryker is the perfect lightweight wildland fire shirt for battling wildfires. 5.8oz Tecasafe Plus material wicks sweat away from your body and dries quickly. ¾ YKK Nomex front zip allows for breathability and easy on/off capabilities. A chest pocket gives you a handy place to store fireline notepads and a mic-clip strap provides easy access to your mic. Top button neck closure along with Mil-Spec Velcro wrist straps allow you to batten down the hatches when needed.

Features

3/4 Front Zipper for breathability and easy on/off capabilities.
Excellent Moisture Management.
Soft and Lightweight Fabric Provides Unmatched Comfort.
FR Properties Won't Wash or Wear Out.
Chest Pocket to Store Fireline Notepads.
Mic-Clip Strap for Easy Access to Mic.
Top Front Neck Button Closure.
Mil-Spec Velcro Wrist Straps.
UL® Certified to NFPA 1977-2011 Specifications.
Lifetime Warranty.
Material: TECASAFE™ PLUS 5.8oz.
NOMEX® CRAQ-SPUN® Thread.
YKK® Nomex® Zipper.
Melamine Button.
Mil-Spec Velcro.
Total Weight (Size: XL): 23 oz. / 1.44 lbs. / 0.65 kg.
UL® Certified to NFPA 1977-2011 Specifications.

Beta Wildland Fire Shirt

This fire shirt is made mostly of 5.8oz Tecasafe Plus which is lightweight and breathable, and it also includes 7oz Tecasafe Plus in the areas where extra toughness is necessary. The Beta is easy to put on and remove thanks to its ¾ YKK Nomex front zip which also allows for breath-ability. Each bicep is featured with airflow vents and slanted Velcro pockets. This shirt also has a top button neck closure and Velcro wrist straps.

Features

Airflow Vents in Each Bicep Area.
3/4 Front Zipper for breathability and easy on/off capabilities.
Two slanted bicep pockets with segmented Velcro.
5.8oz Lightweight Fabric Provides Unmatched Comfort.
Excellent Moisture Management.
7.0oz Material for Toughness.
FR Properties Won't Wash or Wear Out.
Top Button Neck Closure.
Mil-Spec Velcro Wrist Straps.
UL® Certified to NFPA 1977-2011 Specifications.
Lifetime Warranty.
Material: TECASAFE™ PLUS 5.8 oz. and 7.0 oz.
NOMEX® CRAQ-SPUN® Thread.
YKK® Nomex® Zipper.
Melamine Button.
Mil-Spec Velcro.
Total Weight (Size: XL): 23 oz. / 1.44 lbs. / 0.65 kg.
UL® Certified to NFPA 1977-2011 Specifications.

BetaX Wildland Fire Shirt

Xvent is king in the BetaX Wildland Fire Shirt. Airflow vents in each bicep area of the arms and two lower chest region vents allow for maximum torso airflow. Airflow cools the core, that's a good thing. Made mostly of 5.8oz. Tecasafe Plus (Lightweight and Breathable) with 7oz. Tecasafe Plus in the areas you want extra toughness. Top button neck closure along with Mil-Spec Velcro wrist straps allow you to batten down the hatches when needed. ¾ YKK Nomex front zip allows for breathability and easy on/off capabilities. Two slanted bicep pockets with segmented Velcro keeps contents secure while allowing easy access even with gloves.

Features

Airflow Vents in Each Bicep Area and Chest Area.
3/4 Front Zipper for breathability and easy on/off capabilities.
Two slanted bicep pockets with segmented Velcro.
5.8oz Lightweight Fabric Provides Unmatched Comfort.
Excellent Moisture Management.
7.0oz Material for Toughness.
FR Properties Won't Wash or Wear Out.
Top Button Neck Closure.
Mil-Spec Velcro Wrist Straps.
UL® Certified to NFPA 1977-2011 Specifications.
Lifetime Warranty.
Material: TECASAFE™ PLUS 5.8oz. and 7.0oz.
NOMEX® CRAQ-SPUN® Thread.
YKK® Nomex® Zipper.
Melamine Button.
Mil-Spec Velcro.

Total Weight (Size: XL): 23 oz. / 1.44 lbs. / 0.65 kg.

Example Jumpsuits

Fireline Wildland Jumpsuit, 9 oz Indura Cotton or 6 oz Nomex IIIA

UL[®] classified to meet or exceed NFPA* protective clothing requirements for Wildland Fire Fighting and CAL-OSHA** requirements for protective clothing. Features include a 4" Alpine style collar with front zipper extended closure, encased with an internal and external flap. Zippers are Zytel FR50 Delrin zippers mounted on Nomex zipper tape. Articulated, radial designed sleeves eliminate shoulder seams and contour to fit the natural bend of the elbow. Self-material waistband has elastic at center back and take-up straps on each side with an adjustable ladder buckle to allow a 4" waist adjustment for a comfortable fit. Contoured deep front pockets' special pass-through design allows access to trousers. The breast (radio), rear, and mid-thigh pockets offer extra storage and have hook/loop closures. Contoured knees allow for full range of movement. Gusseted leg has multiple cuff closure system comprised of 14" leg zippers mounted on Nomex tape, elastic and hook/loop adjustable tabs. *NFPA 1977 standard on Protective Clothing and Equipment for Wildland Fire Fighting (Current Edition).

**CAL-OSHA Title 8 GISO Sections 3406(c)(1) and/or 3410(d)(1).

Example Coats/Jackets

Coaxsher: CX Urban Interface Coat

Comfortable: Soft and Lightweight FR Fabric Provides Unmatched Comfort along with Excellent Moisture Management.

Durable: Bar Tacked and Stitched with high-quality Nomex[®] Thread.

Fit & Mobility: Back Shoulder Gussets along with an Aggressive Cut Provide Excellent Fit and Mobility.

Safety & Protection: FR Properties Won't Wash or Wear Out.

Features

Excellent Moisture Management.

Soft and Lightweight Fabric Provides Unmatched Comfort.

Back Shoulder Gusset Allows for Excellent Maneuverability.

FR Properties Won't Wash or Wear Out.

Bar Tacked and Stitched with high-quality Nomex[®] Thread.

Ideal Pocket Layout & Design.

Chest Pocket.

Radio Pocket.

Arm Pocket.

UL[®] Certified to NFPA 1977-2011 Specifications.

Lifetime Warranty.

Technical Specifications

Material: TECASAFE[™] PLUS 7oz. by Tencate.

NOMEX® CRAQ-SPUN® Thread.
YKK® Zipper Pulls & Tape.
3M® Reflective Trim.
Mil-Spec Velcro.
Single Needle Tailoring.
Total Weight (Size: XL): 27 oz. / 1.69 lbs. / 0.77 kg.
UL® Certified to NFPA 1977-2011 Specifications.

Veridian Limited's Wildland Jacket

Available in Nomex® IIIa or FR Indura® cotton and offers durable protection and lightweight comfort for wildland fire fighters. Veridian's wildland jacket features our Flex wing back construction for extra mobility. Along with our standard triple stitch seam construction, choose from a variety of options to suit your needs and budget.

Fully compliant to NFPA 1977 (current edition).
Available in Nomex IIIa or Indura Ultrasoft FR cotton.
Durable protection and lightweight comfort.
Optional 3M™ Scotchlite™ Reflective Material.
Flex Wing back for greater mobility.
Zipper closure on jacket.
Roomy bellows pockets on jacket.
Hook and loop cuff adjustment.
Lime Triple Trim.

PGI Fireline Wildland Coat, Yellow Nomex IIIA

Features and Benefits

Four inch high collar can be worn folded down to allow venting or zipped up to completely cover neck providing additional protection from heat and flame. Unlike conventional Wildland coats, no bulky throat strap and closure system is required.

Two-way brass zipper mounted to Nomex tape is covered by double storm-flap with intermittent hook/loop closures.

Articulated elbows promote freedom of movement as well as a more contoured fit.

Gusset at cuff has secondary hook/loop strip allowing cuff to be opened to its fullest extent for maximum ventilation or to allow glove cuff to be tucked inside.

3M Scotchlite Flame Resistant Retro Reflective Lime/Yellow two inch wide Triple Trim sewn around arms, bottom and across shoulders in back.

Large cargo hip pockets with hook/loop flap closures expand for extra storage capacity and have built-in hand warmer compartments.

Radial sleeve design allows full arm movement and assures "no hike" fit when arms are raised over shoulders.

Adjustable cuffs incorporate hook/loop tab for easy adjustment even when wearing gloves. Partially elasticized wrist allows cuff to be tightly secured without impeding circulation or movement.

Radio pocket with hook/loop flap closure and microphone holder loop.

Seamless shoulders eliminates bulky seams and allows maximum mobility while reducing wear and seam pressure under pack harness.

Hanger loop at neck.

Certification

U.L. Classified to meet or exceed NFPA 1977 Standard on Protective Clothing and Equipment for Wildland Firefighting (Current Edition).

Requirements for Cal-OSHA Title 8 GISO Sections 3406 (c)(1) and/or 3410(d)(1).

Crew Boss: Interface Wildland/Urban Coat, NFPA 1977

Combines features and functionality of both Wildland and Structural Firefighting turnout gear.

The ideal Wildland over-coat for initial attack.

Generous full-cut design allows faster donning, immediate response.

Designed for comfort, protection, and convenience in a wider range of situations.

Matches Interface Brush Pant to make a full set of protective wildland outdoorwear.

Features

Full-cut design available in Nomex® IIIA or TecaSafe fabrics.

Fully covered zipper front closure with #10 brass zipper mounted on Nomex® tape.

Caped shoulder design provides extra room for full freedom of arm movement.

Gusset cuff with hook and loop closure.

Alpine style collar.

Radio pocket with mic tab.

Unidirectional front cargo pockets with concealed hand warmers.

Large interior storage pocket and glove hanger tab.

M Scotchlite™ Triple Trim around bottom, across back and around forearms.

Sewn with Nomex® thread throughout.

Coat available in Yellow only.

ISO 9001 registered and certified by Underwriters Laboratories Inc.

Available in sizes Small through 3XL.

Made in U.S.A.

Certified to meet NFPA 1977, 2008 Standard on Protective Clothing and Equipment for Wildland Fire Fighting.

Choose from three Outer Fabrics:

6.0 oz. NOMEX® IIIA, YELLOW

7.5 oz. NOMEX® IIIA, YELLOW

7.0 oz. TECASAFE PLUS

Example Helmets

Bullard Wildland Helmet Hat

Bullard Wildfire helmets are specifically engineered to meet the special needs of wildland/forestry firefighters. Manufactured from heat-resistant thermoplastic for superior impact and penetration protection, Wildfire helmets meet and exceed the performance specifications of NFPA 1977-2005.

These helmets also exceed all major state fire codes for wildland firefighting. Wildfire helmets can also be customized by the Bullard Logo Shop. The Bullard Logo Shop uses the latest pad printing technology to print your logo or insignia in vivid colors.

Highlights

Easy to adjust Flex-Gear® ratchet sizing suspension.
Thermoplastic shell.
Available in cap style or full brim hat style.
Reflective lime-yellow stripes.
Three goggle clips.
Adjustable chinstrap.
Comfortable 6-point suspension.
Leather ratchet cover (on ratchet models).
Absorbent cotton brow pad.
Velcro attachments inside shell.
Meets NFPA 1977-2005 specifications.

Phenix First Due Series WILDLAND Version - OSHA Compliant

High temperature thermo plastic shell.
Four 3M lime-yellow reflective 1 x 4 strips.
Closed cell energy impact cap.
Exclusive Phenix suspension liner (nape strap or ratchet).
Nomex and fire retardant cotton 8 earlaps (sewn-in or detachable).
Nomex webbing chinstrap (postman s slide, quick release, or combination).
NFPA compliant 4.5 face shield with scratch resistant coating.
Screw knob attachment kit.
Compliant to current NFPA, CAL and US OSHA standards.

Example Face Masks/Shrouds

Hot Shield Wildland Firefighter Face Mask

The Hot Shield (model HS-2) Firefighter Face Mask is a multiple layer, patented face protector mask designed by firefighters for use in all wildland firefighting operations. The HS-2 offers unequalled, extreme protection against burns to the face/neck with the added benefit of blocking & reducing the inhalation of smoke & ash particulate. Multiple layers of CarbonX® help maintain the crucial airspace in front of the mouth and nose. The soft comfortable inside liners (also CarbonX®) absorb perspiration, adding to user comfort.

Highly breathable mesh CarbonX® covers the center ventilation orifice allowing easy air exchange and helps prevent buildup of CO₂. The patented, user-friendly design allows the firefighter to insert an activated carbon, low cost disposable particle filter w/exhalation valve. CarbonX® is the only inherently non-flammable revolutionary fiber in the world that will not burn, ignite, char, shrink or decompose at temperatures exceeding 2600 F. even for extended periods of time. The HS-2 weighs 4.0 oz./112 grams,

incorporates Scotchlite® Reflective trim for nighttime visibility and is classified as an interface component of Wildland PPE.

HS-2 Mask Filter

Filter for use with the HS-2 Mask.

Carry Pouch

Carry Pouch for HS-2 Mask & Accessories.

Hot Shield UNI-V@ Ultra Shroud Extreme

The UB-V2 offers the top performance protection of CarbonX, yet doesn't require a filter of any kind. This mask is a nearly 100% fireproof facial protection garment that is easier to use, take off and put on than any mask or bandanna you have every used or seen before.

CX Wildland Helmet Shroud

Designed and built for comfort and protection, the CX Wildland Helmet Shroud keeps your face and neck shielded from embers and heat. An offset velcro-close face closure provides better comfort and less heat retention while breathing. Attaches to wildland helmet via Mil-Spec Velcro.

Features

Excellent Moisture Management.
Soft and Lightweight Fabric Provides Unmatched Comfort.
FR Properties Won't Wash or Wear Out.
Stitched with high-quality Nomex® Thread.
Offset Velcro Closure for Maximum Face Comfort.
Lifetime Warranty.

Example Goggles

Wildland Fire Odyssey II Goggles

HIGH TEMPERATURE MATERIAL Sealed "Dual" Scratch-Resistant, Anti-Fog Lens UV absorbing polycarbonate lens.
Ultra comfortable, soft closed cell foam for a snug seal allowing no smoke to come in.
Non-vented body, offering best protection against liquids and dust.
Extra wide peripheral vision.
Fits over prescription eyewear.
Easy strap adjustment.
Meets ANSI Z87.1-2003 Standards.
Meet CAN/CSA-Z94.3 Standards.
MEETS NFPA 1977.

Example Firefighting Pumps

Indian Backpack Firefighting Pumps-Galvanized

Five-gallon tank features baffle, outlet with filter screen at bottom, 1" recessed bottom, and ventilated back rest. Slide action pump is operated by hand. Gasketed cam lock tank cap features a ventilation hole to prevent tank collapse, and is secured to the tank by a 4" beaded chain. Combination nozzle allows quick change from spray to straight stream. Single-braided, flexible, oil-resistant hose, 1/2" I.D., 30" long. Carrying handle has clips for securing pump and holes for attaching removable, 1-3/4" heavy-duty polypropylene shoulder straps. One strap has clip for attaching pump to your chest. Net Weight: Stainless 12 lbs., 2 oz. Galvanized 12 lbs., 5 oz.

Smith Indian Fire Pump, Steel Wildland Fire Tank with Pump, 5 Gallon

Features

Galvanized or stainless steel tanks outfitted with premium Smith all-brass or chrome pump. Pump will provide years of bind free use and you can count on it in an emergency. Lumbar support built into back with air vent holes for comfort. Dual nozzle changes quickly from stream to spray without tools. Available in 5 gallon galvanized or stainless steel with a chrome or brass pump. Truck carry rack and tank/pump service kit available separately. MADE in the USA. Dimensions: 19" x 16.25" x 10". Weight: 10 lbs stainless and 11 lbs galvanized.

Additional Features

Large 4" filler opening for easy filling and cleanout. Carrying handle located at top of tank has clips for storing pump. Slide pump fabricated from seamless brass cylinders. A guide bushing on the inner cylinder allows for bind free operation. Combination nozzle allows for operator to change from a straight stream to a cone spray quickly and easily without any special tools. Nozzle secures to pump with beaded chain. Pump can be disassembled by hand for complete in field maintenance. Available in Stainless or Galvanized steel with a chrome or brass pump.

Smith 500 FSV Fedco SmokeChaser Collapsible Heavy Duty Vinyl Wildland Indian Fire Tank Bag with Pump, 5 Gallon

Features

Constructed of strong polyester fabric encased in vinyl for superior durability. Vinyl gives maximum resistance to weather, acid, alkalis, and water. Puncture, abrasion and weather resistant for years of use.

Collapsible, rolls up to fit in small areas when not in use.
Dual nozzle changes quickly from stream to spray without tools.
Lumbar support and waist belt added for comfort and stability.
Available in 5 gallon, 5 lb. (empty) with brass pump.
Service kit is available separately and includes replacement parts for the SmokeChaser.
MADE in the USA and approved the US Forestry Service.
Dimensions: 18.875" x 4.5" x 4.5".
Weight: 5 lbs.

Additional Features

Seams are electronically seals and reinforced at all stress points.
Pump is completely rust proof and provides a positive shutoff at any position with no drip off or waste of water.
Pump is unaffected by non-use periods of storage.
Pump has been tested 50,000 strokes at 4 psi without any loss of pump efficiency.
Shoulder strap is equipped with clip to hold pump, freeing up hands.
Oil proof 44" long hose is equipped with rust proof ball bearing quick connect type connector.

Smith Indian Fire Pump, Chief 5-Gallon Heavy-Duty Dual Bag Nylon Fire Pump

This 5 gallon lightweight, heavy duty nylon fire pump bag is collapsible and can be rolled up to fit in small areas when not in use. The lightweight design helps reduce operator fatigue and are perfect for forest, grass brush and rubbish fires. The shoulder harness straps offer the best in comfort with the center cinch strap distributing weight efficiently and comfortably. Nylon gives maximum resistance to weather, acid, alkalis, and water and is also puncture, abrasion and weather resistant for years of use and abuse found on the Fireline. The pump is all brass and the dual nozzle changes quickly from stream to spray without tools. The military spec shoulder straps and carry handle will not rot, mildew or twist while in service. Weighs approx. 5 lbs. (empty). All Smith Indian fire pump tanks are proudly MADE in the USA and approved the US Forestry Service.

Durable outer bag offers more protection from punctures.
Harness straps with chest cinch strap help balance the load and prevent straps from pulling forward.
2 liners are included with fire pump—an extra liner is stored in the outer pouch of nylon bag which is also perfect for storing extra gear.
Quick connect and Indian Fedco pump are the same as used on the Smokechaser model and the dual nozzle can change from stream to spray without any tools.

Hale Fyr Pak Backpack Pump

The compact Hale Fyr Pak pump is close coupled to a lightweight engine. This unique pumping unit is designed for dependable and efficient high pressure performance with minimum weight. The pump and engine are securely mounted using vibration absorbing bushings to a comfortable backpack carrying frame. The unit is well balanced and mounted close to the foam padded lightweight adjustable frame for maximum carrying comfort.

Features

Lightweight, easy to carry and set-up.
Simple & reliable to operate.
Meets USDA specifications 5100-274A.
Quick connect 5 gallon fuel can w / 5' fuel line.

Pump Specifications

Model: Hale 20FP.
Type: Centrifugal.
Primer: Optional hand type.
Construction: Aluminum w/bronze impeller.
Suction: 2".
Discharge: 1 1/2".

Engine Specifications

Engine: 8 hp Chrysler, 2 cycle Power Bee, air cooled.
Starting: Recoil type.
Construction: Lightweight aluminum.

Dimensions

Length: .32".
Width: .16.5".
Height: .13".
Weight: .34 lbs.

Pump Performance

PSI	GPM
205	10
140	40
40	70

Example Drip Torch

Forestry Suppliers Sure-Seal Double-Bottom Drip Torch

Safety features include a Big Mouth design for easier filling. A fuel trap on the spout prevents flashback into tank. A check valve in the cover provides a second level of protection against flashback. Breather valve, oilproof gaskets and sealed outlets prevent spills and fuel-slopping. Heavy-duty 15-gauge aluminum canister with welded double-bottom for extra-long life. Meets D.O.T. approval for transport of flammable fuel UN# 1B1-Y-150-06. Full-length handle. Height: 25-1/2" high in the operating position; 14" high in the sealed position. Capacity: 1-1/4 U.S. gallons. Weight (empty): 5 lbs., 6 oz.

Mercedes Textiles Drip Torch, 1.2 US Gallon Capacity

Constructed of lightweight, long-lasting aluminum, Mercedes Textiles' Drip Torch is an excellent tool for intentionally igniting and directing controlled fires during wildland firefighting. This drip torch is equipped with multiple safety features to assure safe and reliable ignitions, including a check valve, a fuel trap, and a self-extinguishing igniter when the torch is in an upright position. The torch wand is reversible for convenient, leak-proof storage within the reservoir. With a tank capacity of 1.2 US gallons (1 imperial gallon / 4.5 liters), Mercedes Textiles' Drip Torch makes it much easier and safer to ignite controlled fires for use in wildland firefighting situations.

Constructed of lightweight, long-lasting aluminum.

Equipped with multiple safety features.

Check valve.

Fuel trap.

Self-extinguishing igniter (when the torch is in an upright position).

Reversible wand for convenient, leak-proof storage within the reservoir.

Tank capacity of 1.2 US gallons / 1 imperial gallon / 4.5 liters.

Excellent for intentionally igniting and directing controlled fires during wildland firefighting.

Example Wildland Pack

True North Spitfire Wildland Pack

The patented SCS™ (Super Compression Suspension) is designed to make this pack feel virtually weightless and ultra comfortable by pulling the pack's load securely against you. Hip belt and harness are removable. Other features include a removable fire shelter pocket, two side pockets which can hold one-liter bottles, and reflective trim. Meets NFPA 1977, 2005 Edition. Lifetime manufacturer's warranty. Capacity: 2,250 cubic inches.

Coaxsher SR-1 Endeavor Search and Rescue Pack

Features

Modular Pack System for Multiple Set-Up Options.

Aluminum Stay Frame Structuring for Custom Fit.

New Patent Pending D.A.S. Dual Action Stabilizer.

4 Grommets on Each Side Pocket Provides Maximum Drainage for Fluids and Dirt.

Additional Inside Mesh Storage Pockets.

Daisy Chain with Built In Ladderloc Provide the Ability to Attach Belt-Loop Accessories .

Quick-Release ITW Nexus Buckles on All Connection Points for Maximum Speed when Converting Pack.

Adjustable Hip Belt/Torso to Fit Multiple Sizes.

Ergonomically Designed Harness System.

Webbing Reinforced Stress Points.

102 oz. Water Reservoir Pocket w/ Dual Hose Ports.

Removable 400 cubic inch Medical Kit Case.

Two Side Pockets for Water Bottles (Capacity: 4 - 32oz.).

Total of 10 Pockets for Organization.

More Webbing Daisy Chain Connection Points.

Two Covered Side Pockets.
Lifetime Warranty.
Material: DuPont® 1000 Denier Cordura®.
ITW Nexus® Buckles and Hardware.
YKK® Zipper Pulls & Tape.
Quality Nylon Webbing.
Total Weight: 7 8 oz / 4.88 lbs / 2.21 kg.
Full Volume: 2800ci / 45.88 liters.
Light-Duty Volume: 900ci / 14.75 liters.

Coaxsher FS-1 Spotter Mid-Weight Wildland Fire Pack

Features

Fire Shelter Case Drop-Down Feature Counterbalances Weight While Digging.
Modular Pack System for Multiple Set-Up Options.
Aluminum Stay Harness Structuring for Ultimate Hiking Comfort.
New Patent Pending D.A.S. Dual Action Stabilizer.
Inside Mesh Storage Pocket.
Daisy Chain with Built In Ladderloc Provides the Ability to Attach Belt-Loop Accessories.
Quick-Release Buckles on All Connection Points for Maximum Speed when Converting Pack.
Adjustable Hip Belt/Torso to Fit Multiple Sizes.
Ergonomically Designed Harness System.
Webbing Reinforced Stress Points.
102 oz. Water Reservoir Case w/ Dual Hose Ports.
Removable 700 cubic inch Main Pack.
Removable New Generation Fire Shelter Case.
Gloves Pocket on Fire Shelter Case.
Includes the Water Bottle Case.
Lifetime Warranty.
Material: DuPont® 1000 Denier Cordura®.
ITW Nexus® Buckles and Hardware.
YKK® Zipper Pulls & Tape.
Quality Nylon Webbing.
Total Weight: 60 oz / 3.75 lbs / 1.7 kg.
Volume: 1100ci / 18.03 liters.

Coaxsher FS-1 Ranger Wildland Fire Pack

Features

Fire Shelter Case Drop-Down Feature Counterbalances Weight While Digging.
Compression Straps Keeps Load Secure.
Modular Pack System for Multiple Set-Up Options.
Aluminum Stay Harness Structuring for Ultimate Hiking Comfort.
New Patent Pending D.A.S. Dual Action Stabilizer.
Spin-Drift Collars Inside Side Pockets.
4 Grommets on Each Side Pocket Provides Maximum Drainage for Fluids and Dirt.

Additional Inside Mesh Storage Pockets.
Daisy Chain with Built In Ladderloc Provides the Ability to Attach Belt-Loop Accessories.
Quick-Release ITW Nexus Buckles on All Connection Points for Maximum Speed when Converting Pack.
Adjustable Hip Belt/Torso to Fit Multiple Sizes.
Ergonomically Designed Harness System.
Webbing Reinforced Stress Points.
102 oz. Water Reservoir Case w/ Dual Hose Ports.
New Generation Fire Shelter Case w/ Alice Clips.
Glove Pocket on Fire Shelter Case.
Two Side Pockets for Water Bottles (Capacity: 4 - 32oz.).
Total of 10 Pockets for Organization.
Tool Loop to Secure Tools to Pack.
Two Covered Side Pockets for Fuses.
Lifetime Warranty.
Material: DuPont® 1000 Denier Cordura®.
ITW Nexus® Buckles and Hardware.
YKK® Zipper Pulls & Tape.
Quality Nylon Webbing.
Total Weight: 78 oz / 4.88 lbs / 2.21 kg.
Full Volume: 2700ci / 44.25 liters.
Light-Duty Volume: 800ci / 13.11 liters.

Coaxsher FS-1 Mojave Lightweight Wildland Fire Pack

Features

Water Reservoir Case Holds up to a 102oz. Water Bladder (Water Bladder Sold Separately).
New Generation Fire Shelter Case.
Gloves Pocket on Fire Shelter Case.
Fire Shelter Case Drop-Down Feature Counterbalances Weight While Digging.
Attach Fire Shelter Case to Side of Hip-Belt w/ alice clips.
Hip Belt Daisy Chain for Adding Coaxsher Accessories.
Capable of Adding Coaxsher Pack Modules.
Superior Comfort for Hip, Back, & Shoulders.
Perfect for Working In & Out of Vehicles.

Ranger/Endeavor 1500ci Pack

Note: This is just the 1500ci pack module. Does not include pack harness or any other module.

Features

Side Pocket Lids Stow When Not Needed.
4 Grommets on Each Side Pocket Provides Maximum Drainage for Fluids and Dirt.
Additional Inside Mesh Storage Pockets.
Quick-Release ITW Nexus Buckles on All Connection Points.
Webbing Reinforced Stress Points.
Two Side Pockets for Water Bottles (Capacity: 4 - 32oz.).
Total of 8 Pockets for Organization.

Tool Loops to Secure Tool to Pack.
Two Covered Side Pockets for Fuses.
Lifetime Warranty.

Alpha-10 Fire Line Pack System

Features

Top loader: uses a dry bag closure mechanism.
Non-detachable pack with radio holsters, flagging tape dispenser and battery pouch built-in.
Oversized, open side pockets fit multiple water / SIG bottles.
Dynamic Load Management System compresses entire pack without blocking access.
Heavily padded, softer belt, suspenders, yoke and back.
Tapered suspenders reduce rubbing while working.
CamelBak 102 oz. Omega reservoir included.
Fire Shelter Case is detachable, right or left hand pull, and can be mounted to the belt.
2200 cu in (main body alone).
NFPA certified.
6 lbs., 6 oz.
Black.

Example Forest Fire Protection Shelter

Anchor Industries New Generation Fire Shelter

This shelter provides added protection from direct flame, reflects radiant heat, and traps breathable air. The outer layer is comprised of aluminum foil which reflects radiant heat and woven silica cloth which slows the passage of heat to the inside of the shelter. The outer layer of foil reflects approximately 95 percent of radiant heat. The shelter's inner layer is constructed of fiberglass laminated to aluminum foil which prevents heat from being reradiated to the person inside the shelter. Shake handles allow for fast deployment while rounded ends scatter radiant heat.

Regular Fire Shelter: For most firefighters up to 6 ft. tall. Deployed size: Length: 86", Height: 15.5", Width: 31". Regular size shelter provides protection for most firefighters up to 6 ft. tall and of normal weight (no more than 53" in girth at any point). (NFES #0925).

Large Fire Shelter: For firefighters over 6 ft. or more than 53" in girth. Deployed size: Length: 96", Height: 19-1/2", Width: 33". Large size shelter is designed for firefighters taller than 6' 1" or whose girth exceeds 53" at any point. The larger fire shelter provides better protection for larger people by allowing less contact of the shelter material with the occupant's body and provides more air space between the shelter and occupant. The large fire shelter is easily identified by the orange deploy strap. Forest Service Spec 5100-606. (NFES #0975).

Specifications:

DIMENSIONS	REGULAR	LARGE
------------	---------	-------

DIMENSIONS	REGULAR	LARGE
Folded in Case	8.5"H x 5.5"W x 4"D	9"H x 5.5"W x 4"D
Deployed	86"L x 15.5"H x 31"W	96"L x 19.5"H x 33"W

Example Radio Holster, Hip Case, Radio Chest Harness

Coaxsher Mini Radio Holster

Attaches to hip-belt of Coaxsher backpacks and MOLLE Chest Harness via a MOLLE strap.

Features

Stores and Protects mini Radios.
MOLLE Attachment System.
Easy Access to Stored Items.
5" H x 3" W x 2" D.
Lifetime Warranty.

Multi-Use Hip-Case

Store and access sawyer supplies, EMT supplies, etc. Inside this case is sewn elastic to hold stored items in place. With the MOLLE attachment system you can attach this case to either the MOLLE Chest Harness or hip-belt on a Coaxsher backpack.

Features

Small/Medium Item Storage.
MOLLE Attachment System.
Easy Access to Stored Items.
8" H x 6" W x 3" D.
Lifetime Warranty.

Coaxsher DR-1 Commander Dual Radio Chest Harness

Features

Two Main Radio Holsters - Fits Two BK / 800 MHz radios.
Large Wide-Mouth Zipper Close Main Pocket.
Two Internal Pockets within the Main Pocket for Organization.
Fold-Down Platform for Reading/Writing.
Open Air Back Plate Cuts Weight and Allows Airflow.
Writing Tool Pockets.
Adjustable Radio Holsters to Fit Multiple Radio Sizes.
Spare Battery Shell / Cell Phone Pocket.

Hi-Strength Grommets / D-Ring to Secure Extra Gear.
Great Visibility - Reflective Material & Glow Stick Holder.
Removable Mod-u-Lox C-Clip Holds Mini Mag Lite®.
Lifetime Warranty.

Example Tools

Council Tools 3.75lb Pulaski Axe

3.75# Pulaski axe with 36" hickory handle. A traditional style bit axe blade on one end and a mattock blade for digging or grubbing on the other end. Used in a variety of settings including forestry and general landscaping.

Forged steel head.

Made in USA.

Hand sharpened, single bit edge and mattock blade.

ANSI Standards call for bit hardness of Rc 45-60, at least inch back from the cutting edge. Council Tool internal standards call for tempered bit hardness of Rc 48-55.

Body coated with red enamel and the cutting edges in clear lacquer to deter rust.

36" double bit American hickory handle. Eye section is dried to below 10% moisture content to minimize shrinkage and help prevent loosening.

Axe head is hydraulically seated onto handle and secured with a serrated aluminum wedge. The serrated shape improves bite and the aluminum choice of material is strong, lightweight and does not change size with moisture content.

The interior detail of the eye is tapered and allows for a strong mechanical bond. Approximately 1/2" of the overall length of the handle is removed during assembly.

Fire Hooks Unlimited Pulaski Axe with Fiberglass Handle

The Pulaski is a combination axe and grub hole ideal for chopping, digging fire lines in hard and soft soils. Ground and tempered cutting edges. Axe head attached to a fiberglass handle which dramatically outlasts wood in firefighting applications by resisting breakage, heat, moisture, and cleaning materials.

Akron 58" Round or Square Point Shovels, Ultra-Lite Handle

Features

HEAD DIMENSIONS: 8" W x 10" L.

OVERALL LENGTH: 58".

Square point shovel works well for structural fire clean-up.

Round point shovel works well for fast digging on the fire line.

Tempered steel construction allows shovel heads to keep their shape and edge.

Corrosion resistant clear-coat finish.

58" Akron Ultra-Lite hollow fiberglass poles provide high strength with minimum weight.

Bright yellow handle color will not chip or fade and makes these shovels easy to find.

5-year Manufacturer's Limited Warranty.

Akron McLeod Wildland Fire Tool, 48" Wooden Handle

A hoe and rake in one—to clear firelines faster.
Lightweight, convenient combo tool made especially for wildland firefighting.
Deeply serrated rake clears brush or debris.
Sharpened hoe for scraping, cutting, and chipping out trails.
48" White Ash handle provides strength with less weight.
Breaks down with a wrench for easy packing.

Features/Specifications

HEAD DIMENSIONS: 11" W x 8-3/4" H.
TOTAL LENGTH, ASSEMBLED: 50-1/2".
11" wide steel rake head with six tapered teeth.
Tapered hoe has sharpened blade for cutting and chipping.
Heavy-duty welded construction.
Steel head is attached by a hex nut for fast removal or replacement.
A pin keeps the tool head from rotating.
Tool breaks down easily for packing into remote locations.
Corrosion resistant powder-coated finish.
48" natural White Ash handle.
Shellac finish for durability.
5-year Manufacturer's Limited Warranty.

Council Pick & Shovel Combi-Tool

This high-quality, long-handled variation on the classic military folding foxhole shovel is used to construct fire lines, control burn operations, and construct or repair trails. The council combination tool is a pick and shovel that can be secured as a shovel/hoe/pick combination, shovel only, or pick only. The shovel end's cutting edge is able to cut light brush. The tools fold flat against the 42" wooden handle for easier transport and storage.

Features

Shovel.
Straight Pick.
Combination.
Folds flat for easy transport and storage.
Sharp edged shovel will cut light brush.
Classic versatility from a tool that can be used for many applications.

Council Tool Forest Fire Rake

4 triangular shaped steel cutting teeth, specially sharpened and hardened.
Securely rivited to tough iron.
Red enamel coating on body, teeth are natural steel finish coated to deter rust.
Tamp down style handle socket. Can break down easily for storage and handling.

52" American Ash handle. This material produces long, straight grain and provides strength, flexibility and memory.

Features

Durable forestry tool for chopping, raking, moving underbrush, vines, etc.
Produced in accordance with USDA Forest Service Specification 5100-284C.
Forest fire rake with a 52" or 60" handle.

Council Tool McLeod Tool

Features

Made in USA.
High carbon steel blade, formed and sharpened for digging and clawing and clearing brush.
Heat Treated for toughness and wear resistance.
Black enamel finish for rust resistance.
Enhanced ferrule joint for strength and durability.
48" American ash handle is strong and durable.
Produced in accordance with USDA Forest Service Specification 5100-353D, dated November 1992, or latest version thereof.

Fire Hooks Unlimited Wildland McCloud Tool

This efficiently designed tool is both a forestry rake and hoe. The heavy duty double-side blade comes complete with your choice of Fiberglass or Ash Core Wood handle. Can be used for trenching, grubbing, or slashing brush. Or put it to work cutting through deep duff, underbrush and similar fuels. If you've got to carry one tool, this is the one.

Efficiently designed to be both a forestry rake and hoe.
Can be used for trenching, grubbing, or slashing brush.
Cut through deep duff, underbrush and similar fuels.
Heavy duty double-sided blade comes with either Fiberglass or Ash Core Wood handle.
Handle is non-removable.

Specifications:

Length of handle: 4 ft. 6 in.
Width of head: 10.5 in.
Height of head: 9 in.

Fire Hooks Unlimited Brush Fire Broom, 5 Ft Length

Brush Fire Broom with 5-feet-long hickory handle.

Fire Hooks Unlimited Brush Rake, 5 feet

Available with either Ash Wood or Fiberglass handle.

Length: 5'.

Council Tool Fire Swatter w/ 60" Handle

Fire swatter has a 60" handle. Sometimes referred to as a fire flap, flail or beater, this tool is used to smother fire. Typically it is used to control or direct flames during controlled burns or in conjunction with mop-up details after fires.

Made in USA.

Flap is a masticated rubber piece of approximately 1/4" x 12" x 15".

Secured to a rectangular steel structure member with a welded stud which is forced into a ferrule.

Red enamel finish on the metal frame.

60" American ash handle with a ferrule for strength and durability.

Bundled for shipment and handling.

Nupla Single Edge Bush Hook

3 lb. Drop forged, heat treated and tempered heavy gauge carbon steel single-edge sharpened blade, 11 1/2" in length. Lifetime® warranted Nuplaglas® handle is constructed with thousands of fiberglass strands and a unique resin to make it super strong, all-weather, chemical and insect-resistant. Ergonomic non-slip grip.

Attachment E, Usage Report

Attachment E is separate Excel document posted with this solicitation.