

STATE OF VERMONT  
CONTRACT AMENDMENT

It is hereby agreed by and between the State of Vermont, Department of Buildings & General Services (the "State") and Ben's Uniforms Inc., with a principal place of business in Amesbury, MA (the "Contractor") that the contract between them originally dated as of February 2, 2021 Contract # 41232, as amended to date, (the "Contract") is hereby amended as follows:

- I. **Maximum Amount.** The maximum amount payable under the Contract, wherever such reference appears in the Contract, shall be changed from \$700,000.00 to \$900,000.00, representing an increase of \$200,000.00
- II. **Contract Term.** The Contract end date, wherever such reference appears in the Contract, shall be changed from February 1, 2023 to February 1, 2024 The Contract Term may be renewed for one additional one-year period at the discretion of the State.
- III. **Attachment A, Scope of Services.** The scope of services is amended as follows:

Effective 2/2/2023 - Attachment A is hereby deleted in its entirety and replaced as set forth in the attachment to this Amendment.

**Taxes Due to the State.** Contractor certifies under the pains and penalties of perjury that, as of the date this contract amendment is signed, the Contractor is in good standing with respect to, or in full compliance with a plan to pay, any and all taxes due the State of Vermont.

**Child Support (Applicable to natural persons only; not applicable to corporations, partnerships or LLCs).** Contractor is under no obligation to pay child support or is in good standing with respect to or in full compliance with a plan to pay any and all child support payable under a support order as of the date of this amendment.

**Certification Regarding Suspension or Debarment.** Contractor certifies under the pains and penalties of perjury that, as of the date this contract amendment is signed, neither Contractor nor Contractor's principals (officers, directors, owners, or partners) are presently debarred, suspended, proposed for debarment, declared ineligible or excluded from participation in federal programs, or programs supported in whole or in part by federal funds.

Contractor further certifies under pains and penalties of perjury that, as of the date this contract amendment is signed, Contractor is not presently debarred, suspended, nor named on the State's debarment list at: <http://bgs.vermont.gov/purchasing-contracting/debarment>

*[Remainder of Page Intentionally Left Blank]*

The signatures of the undersigned indicate that each has read and agrees to be bound by this Amendment to the Contract.

**STATE OF VERMONT**

**BEN'S UNIFORM INC.**

**By:** \_\_\_\_\_

**By:** \_\_\_\_\_

**Name:** Jennifer M.V. Fitch

**Name:** \_\_\_\_\_

**Title:** BGS Commissioner

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

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

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

**ATTACHMENT A – STATEMENT OF WORK**

The Contractor shall provide:

1. BDU Uniform Pants TenX™, 65% Poly/35% Cotton, Ripstop Weave, six pockets, knee patches, tunnel waistband, zipper fly, with button fly tap. Pockets Front, Rear, and sides, Machine Washable and Dry cleanable blend. Detailed Specifications attachment D entitled 8831 Blauer, TenX Operational Trouser, Tunnel Waistband dated February 8, 2019. Indicate the size at the time of order.  
  
Mfr. Blauer #8831  
  
Men's sizes: 28-50, \$62.00 each  
52-54, \$62.00 each  
56-60, \$80.00 each  
62-64, \$108.00 each  
  
Mfr. Blauer #8831W  
  
Women's Sizes: 00-26 \$62.00 each
2. BDU Long Sleeve Shirt, TenX™, 65% Poly/35% Cotton, Ripstop Weave, Machine Washable and Dry Cleanable blend, Detailed Specifications: Attachment E entitled 8731 Blauer TenX™ BDU Long Sleeve Shirt dated June 3, 2019. Indicate size at the time of order.  
  
Mfr. Blauer #8731  
  
Men's Sizes: XS-XXL, \$78.35 each  
3XL, \$98.50 each  
4XL, \$98.50 each  
5XL-6XL, \$111.75 each  
XT-Tall add \$25.00 per shirt  
  
Mfr. Blauer #8731W  
  
Women's Sizes: XS – XXL, \$78.35 each
3. BDU Short Sleeve Shirt, TenX™, 65% Poly/35% Cotton, Ripstop Weave, Machine Washable and Dry Cleanable blend, Detailed Specification: Attachment F entitled 8741 Blauer TenX™ BDU Short Sleeve Shirt Dated June 3, 2019. Indicate size at the time of order.  
  
Mfr. Blauer #8741  
  
Men's Sizes: XS-XXL, \$71.00 each  
3XL, \$88.95 each  
4XL, \$88.95 each  
5XL-6XL, \$115.85 each

XT-Tall add \$25.00 per shirt

Mfr. Blauer #8741W

Women's Sizes: XS – 3XL, \$71.00 each

4. Soft Shell Active-Duty Jacket, 88% Nylon, 12% Spandex with a durable water replant and soft release finish. Machine Washable blend. Detailed Specification: Attachment G entitled 4660 Blauer Soft Shell Active-Duty Jacket; Liner to System Outerwear, Dated March 28, 2018. Indicate Size at the time of order.

Mfr. Blauer #4660

Men's Sizes: XS-3XL, \$150.25 each

4XL, \$194.25 each

5XL-6XL, \$258.50 each

Women's Sizes: XS-18 \$150.25 each

5. Tacshell Jacket, Ripstop – 3-layer laminate consisting of nylon (shell), PU waterproof breathable membrane, and tapeable tricot backer, Machine Washable blend. Detailed Specification: Attachment H entitled 9820 Blauer Tacshell Jacket dated June 3, 2019. Indicate size at time of order.

Mfr. Blauer #9820

Men's Sizes: XS-3XL, \$295.00 each

4XL, \$380.00 each

5XL-6XL, \$510.00 each

Women's Sizes: XS-18 \$295.00 each

6. **Availability: Delivery of orders will be expected 7-14 business days from date of order.**
7. **Maintenance of uniforms:** patches and emblems will be attached to uniforms at no additional charge. Alterations are performed before the uniforms are delivered. If additional alterations are required turnaround time is 3-5 business days.
8. **Measurements:** Provide “measure on site” service at no additional charge.
  - a. All pricing includes delivery, embroidered badge patch, name tapes and applied shoulder patch.
  - b. Inventory of all clothing purchased. Maintain a clothing record for each employee; provide “measure on site” service. All “Returns” will be through a vendor sales representative.
  - c. As facilities purchase uniforms for their officers, they purchase 4 pants, 2 SS shirts, 2 LS shirts, Jacket w/liner, 2 Velcro name plates. A list of the number of officers by facility is attached.
9. **Warranty:** Each product purchased hereunder shall include a manufacturer's written warranty, which must be based on commercial use, and extend for a minimum term of one (1) year from the

date a Product is available for use by the purchaser, or such longer period as set forth in the written warranty.

10. **REPORTING REQUIREMENTS:** Contractor will be required to submit quarterly product sales report to the Purchasing Agent pursuant to the schedule below detailing the purchasing of all items under this Contractor. Contractor's reporting shall state "no activity" for any month in which there is no activity during a quarterly reporting period.

a. The reports shall be an excel spreadsheet transmitted electronically to the Purchasing Agent.

b. Reports are due for each quarter as follows:

Reporting Period	Report Due
January 1 to March 31	April 30
April 1 to June 30	July 31
July 1 to September 30	October 31
October 1 to December 31	January 31

c. Failure to meet these reporting requirements may result in suspension or termination of this Participating Addendum.

d. Notwithstanding the fact that any payment obligation for sales by contractor to any political subdivision or college, pursuant to "Purchasing Entities," below, shall be solely between the political subdivision or college and the contractor, the contractor must include, in reporting to State, the figures on quantities sold by contractor to, and amounts paid to contractor by, any such political subdivisions or independent colleges.

11. **Delivery:** Responsibility for product delivery remains with Contractor until the product is properly delivered and signed for. Contractor shall securely and properly pack all shipments in accordance with accepted commercial practices. Upon delivery, all packaging and containers shall become the property of the State, unless otherwise stated. Delivered goods that do not conform to the specifications or are not in good condition upon receipt shall be replaced promptly by the Contractor.

12. **Quantity:** All products will be new and unused. All products provided by the Contractor must meet all federal, state, and local standards for quality and safety requirements. Products not meeting the requirements of this section will be deemed unacceptable and returned to the Contractor for credit at no charge to the State.

13. **Default:** In case of default of the Contractor, the State may procure the materials or supplies from other sources and hold the Contractor responsible for any excess cost occasioned thereby, provided, that if public necessity requires the use of materials or supplies not conforming to the specifications they may be accepted and payment therefore shall be made at a proper reduction in price.

14. **Primary Contacts.** The Parties will keep and maintain current at all times a primary point of contact for this contract. The primary contacts for this this Contract are as follows: e. **For the Contractor:**

Name: Kathy Brace  
Phone: 800-225-2367  
Email: Kathy@bensuniforms.com

f. **For the State:**

Name: State of Vermont, Deb LaRose  
Address: 109 State Street, Montpelier, VT 05633-3001  
Phone: 802/828-4635  
Fax: 802/828-2222  
Email: Deborah.larose@vermont.gov

STANDARD CONTRACT

1. **Parties.** This is a contract between the State of Vermont, Department of Buildings & General Services (hereinafter called "State"), and Ben's Uniforms Inc., with a principal place of business in Amesbury, MA, (hereinafter called "Contractor"). Contractor's form of business organization is Incorporated. It is Contractor's responsibility to contact the Vermont Department of Taxes to determine if, by law, Contractor is required to have a Vermont Department of Taxes Business Account Number.

2. **Subject Matter.** The subject matter of this contract is commodities generally on the subject of Correctional Officer Uniforms. Detailed requirements to be provided by Contractor are described in Attachment A.

3. **Maximum Amount.** In consideration of the commodities to be provided by Contractor, the State agrees to pay Contractor, in accordance with the payment provisions specified in Attachment B, a sum not to exceed \$700,000.00.

4. **Contract Term.** The period of contractor's performance shall begin on February 2, 2021 and end on February 1, 2023 with the option to renew for two additional twelve-month periods.

5. **Prior Approvals.** This Contract shall not be binding unless and until all requisite prior approvals have been obtained in accordance with current State law, bulletins, and interpretations.

6. **Amendment.** No changes, modifications, or amendments in the terms and conditions of this contract shall be effective unless reduced to writing, numbered and signed by the duly authorized representative of the State and Contractor.

7. **Termination/Cancellation/Rejection.** The State specifically reserves the right upon written notice to immediately terminate the contract or any portion thereof at no additional cost to the State, providing, in the opinion of its Commissioner of Buildings and General Services, the products supplied by Contractor are not satisfactory or are not consistent with the terms of this Contract. The State also specifically reserves the right upon written notice, and at no additional cost to the State, to immediately terminate the contract for convenience and/or to immediately reject or cancel any order for convenience at any time prior to shipping notification.

8. **Attachments.** This contract consists of 24 pages including the following attachments which are incorporated herein:

Attachment A - Statement of Work

Attachment B - Payment Provisions

Attachment C – "Standard State Provisions for Contracts and Grants" a preprinted form (revision date 12/15/2017)

Attachment D – Entitled 8831 Blauer TenX™ Operational Trouser, Tunnel Waistband dated February 8, 2019.

Attachment E – Entitled 8731 Blauer TenX™ BDU Long Sleeve Shirt dated June 3, 2019.

Attachment F – Entitled 8741 Blauer TenX™ BDU Short Sleeve Shirt dated June 3, 2019.

Attachment G – Entitled 4660 Blauer Shoft Shell Active Duty Jacket; Liner to System Outwear dated March 28, 2018.

Attachment H – Entitled 9820 Blauer Tacshell Jacket dated June3, 2019.

9. **Order of Precedence.** Any ambiguity, conflict or inconsistency between the documents comprising this contract shall be resolved according to the following order of precedence:

- (1) Standard Contract
- (2) Attachment C (Standard Contract Provisions for Contracts and Grants)
- (3) Attachment A
- (4) Attachment B
- (5) Attachment D
- (6) Attachment E
- (7) Attachment F
- (8) Attachment G
- (9) Attachment H

**WE THE UNDERSIGNED PARTIES AGREE TO BE BOUND BY THIS CONTRACT**

By the State of Vermont:

By the Contractor:

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

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

Signature: \_\_\_\_\_

Signature: \_\_\_\_\_

Name: Jennifer Fitch

Name: \_\_\_\_\_

Title: Commissioner - Buildings and General Services

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



## ATTACHMENT A – STATEMENT OF WORK

The Contractor shall provide:

1. BDU Uniform Pants TenX™, 65% Poly/35% Cotton, Ripstop Weave, Six pockets, knee patches, tunnel waistband, zipper fly, with button fly tap. Pockets Front, Rear, and sides, Machine Washable and Dry cleanable blend. Detailed Specifications attachment D entitled 8831 Blauer, TenX Operational Trouser, Tunnel Waistband dated February 8, 2019. Indicate the size at the time of order.

Mfr. Blauer #8831

Men's sizes: 28-50, \$49.95 each

52-54, \$59.95 each

56-60, \$63.95 each

62-64, \$72.95 each

Mfr. Blauer #8831W

Women's Sizes: 2-18 \$49.95 each

1. BDU Long Sleeve Shirt, TenX™, 65% Poly/35% Cotton, Ripstop Weave, Machine Washable and Dry Cleanable blend, Detailed Specifications: Attachment E entitled 8731 Blauer TenX™ BDU Long Sleeve Shirt dated June 3, 2019. Indicate size at the time of order.

Mfr. Blauer #8731

Men's Sizes: XS-XXL, \$59.25 each

3XL, \$68.75 each

4XL, \$73.75 each

5XL-6XL, \$95.75 each

Mfr. Blauer #8731W

Women's Sizes: XS – 18, \$59.25 each

2. BDU Short Sleeve Shirt, TenX™, 65% Poly/35% Cotton, Ripstop Weave, Machine Washable and Dry Cleanable blend, Detailed Specification: Attachment F entitled 8741 Blauer TenX™ BDU Short Sleeve Shirt Dated June 3, 2019. Indicate size at the time of order.

Mfr. Blauer #8741

Men's Sizes: XS-XXL, \$54.75 each

3XL, \$63.75 each

4XL, \$67.75 each

5XL-6XL, \$86.95 each

Mfr. Blauer #8741W

Women's Sizes: XS – 18, \$54.75 each

3. Soft Shell Active Duty Jacket, 88% Nylon, 12% Spandex with a durable water replant and soft release finish. Machine Washable blend. Detailed Specification: Attachment G entitled 4660 Blauer Soft Shell Active Duty Jacket; Liner to System Outerwear, Dated March 28, 2018. Indicate Size at the time of order.

Mfr. Blauer #4660

Men's Sizes: XS-3XL, \$105.95 each

4XL, \$139.95 each

5XL, \$186.95 each

Women's Sizes: XS-18 \$105.95 each

4. Tacshell Jacket, Ripstop – 3 layer laminate consisting of nylon (shell), PU waterproof breathable membrane, and tapeable tricot backer, Machine Washable blend. Detailed Specification: Attachment H entitled 9820 Blauer Tacshell Jacket dated June 3, 2019. Indicate size at time of order.

Mfr. Blauer #9820

Men's Sizes: XS-3XL, \$223.95 each

4XL, \$289.95 each

5XL, \$386.95 each

Women's Sizes: XS-18 \$223.95 each

5. **Availability: Delivery of orders will be expected 7-14 business days from date of order.**
6. **Maintenance of uniforms:** patches and emblems will be attached to uniforms at no additional charge. Alterations are performed before the uniforms are delivered. If additional alterations are required turnaround time is 3-5 business days.
7. **Measurements:** Provide “measure on site” service at no additional charge.
  - a. All pricing includes delivery, embroidered badge patch, name tapes and applied shoulder patch.
  - b. Inventory of all clothing purchased. Maintain a clothing record for each employee; provide “measure on site” service. All “Returns” will be through a vendor sales representative.
  - c. As facilities purchase uniforms for their officers, they purchase 4 pants, 2 SS shirts, 2 LS shirts, Jacket w/liner, 2 Velcro name plates. A list of the number of officers by facility is attached.
8. **Warranty:** Each product purchased hereunder shall include a manufacturer's written warranty, which must be based on commercial use, and extend for a minimum term of one (1) year from the date a Product is available for use by the purchaser, or such longer period as set forth in the written warranty.

9. **REPORTING REQUIREMENTS:** Contractor will be required to submit quarterly product sales report to the Purchasing Agent pursuant to the schedule below detailing the purchasing of all items under this Contractor. Contractor's reporting shall state "no activity" for any month in which there is no activity during a quarterly reporting period.
- a. The reports shall be an excel spreadsheet transmitted electronically to the Purchasing Agent.
  - b. Reports are due for each quarter as follows:

Reporting Period	Report Due
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July 1 to September 30	October 31
October 1 to December 31	January 31

- c. Failure to meet these reporting requirements may result in suspension or termination of this Participating Addendum.
  - d. Notwithstanding the fact that any payment obligation for sales by contractor to any political subdivision or college, pursuant to "Purchasing Entities," below, shall be solely between the political subdivision or college and the contractor, the contractor must include, in reporting to State, the figures on quantities sold by contractor to, and amounts paid to contractor by, any such political subdivisions or independent colleges.
10. **Delivery:** Responsibility for product delivery remains with Contractor until the product is properly delivered and signed for. Contractor shall securely and properly pack all shipments in accordance with accepted commercial practices. Upon delivery, all packaging and containers shall become the property of the State, unless otherwise stated. Delivered goods that do not conform to the specifications or are not in good condition upon receipt shall be replaced promptly by the Contractor.
11. **Quantity:** All products will be new and unused. All products provided by the Contractor must meet all federal, state, and local standards for quality and safety requirements. Products not meeting the requirements of this section will be deemed unacceptable and returned to the Contractor for credit at no charge to the State.
12. **Default:** In case of default of the Contractor, the State may procure the materials or supplies from other sources and hold the Contractor responsible for any excess cost occasioned thereby, provided, that if public necessity requires the use of materials or supplies not conforming to the specifications they may be accepted and payment therefore shall be made at a proper reduction in price.

13. **Primary Contacts.** The Parties will keep and maintain current at all times a primary point of contact for this contract. The primary contacts for this this Contract are as follows:

e. **For the Contractor:**

Name: Kathy Brace  
Phone: 800-225-2367  
Email: Kathy@bensuniforms.com

f. **For the State:**

Name: State of Vermont, Deb LaRose  
Address: 109 State Street, Montpelier, VT 05633-3001  
Phone: 802/828-4635  
Fax: 802/828-2222  
Email: Deborah.larose@vermont.gov

## ATTACHMENT B – PAYMENT PROVISIONS

The maximum dollar amount payable under this contract is not intended as any form of a guaranteed amount. The Contractor will be paid for products actually delivered or performed, as specified in Attachment A, up to the maximum allowable amount specified on page 1 of this contract.

1. Prior to commencement of work and release of any payments, Contractor shall submit to the State:
  - a. a certificate of insurance consistent with the requirements set forth in Attachment C, Section 8 (Insurance), and with any additional requirements for insurance as may be set forth elsewhere in this contract; and
2. Payment terms are **Net 30** days from the date the State receives an error-free invoice with all necessary and complete supporting documentation.
3. All invoices are to be rendered by the Contractor on the vendor's standard billhead and forwarded directly to the institution or agency ordering materials and shall specify the address to which payments will be sent. Percentage discounts may be offered for prompt payments of invoices; however, such discounts must be in effect for a period of 30 days or more in order to be considered in making awards. Contractor shall submit invoice(s) to ordering entity.
4. **Pricing:** Contractor shall provide all products F.O.B. delivery to the ordering facility at no additional cost to the State. No request for extra delivery cost will be honored. No charge for packing, shipping, or for any other purpose will be allowed over and above the price quoted.
5. Following complete delivery of the items, each as specified in Attachment A, and the State's written confirmation to the Contractor of the State's acceptance of those items, Contractor will, within 30 business days, invoice the State in accordance with the rates specified in Attachment A.
6. Unless otherwise indicated in a manufacturer's return policy, unopened Products can be returned with no restocking fee up to 30 days from the date of receipt.
7. The State Purchasing Card may be used by State Purchasers for the payment of invoices. Use of the Purchasing Card requires all required documentation applicable to the purchase. The Purchasing Card is a payment mechanism, not a procurement approach and, therefore, does not relieve State Purchasers from adhering to all procurement laws, regulations, policies, procedures, and best practices. **Contractor charges a 3% transaction fee.**
8. Contractor will continue to maintain an acceptable level of inventoried uniforms for employees to receive in a timely but expedited manner. The State of Vermont Department of Corrections will give a 60 day written notice to the Contractor, if they change the color of uniforms, manufacturer of uniforms or style number not listed in this contract. The Contractor agrees to notify the Department of Corrections 60 days prior, if a color, manufacturer or style number is changed or discontinued.

**ATTACHMENT C: STANDARD STATE PROVISIONS  
FOR CONTRACTS AND GRANTS  
REVISED DECEMBER 15, 2017**

**“Attachment C: Standard State Provisions for Contracts and Grants” (revision version dated December 15, 2017) constitutes part of this Agreement and is hereby incorporated by reference as if fully set forth herein and shall apply to the purchase of all goods and/or services by the State under this Agreement. A copy of this document is available online at: <https://bgs.vermont.gov/purchasing-contracting/forms>.**

**ATTACHMENT D: SPECIFICATIONS**  
**8831 BLAUER TENX OPERATIONAL TROUSER, TUNNEL WAISTBAND**  
**COLOR: DARK GREY**  
**DATE: February 8, 2019**

**GENERAL:**

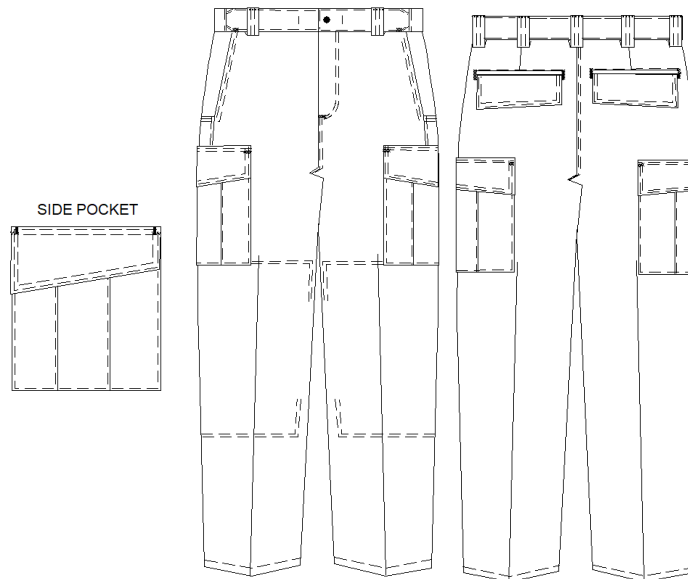
*All garment details not specifically described herein; tailoring, styling, construction, materials, and components must match the standard reference sample on file with the agency. Written specifications attempt to describe key requirements of a 3D garment and cannot do so adequately and therefore silence of the specifications does not absolve bidders from matching with precision the standard reference sample.*

Pre-bid samples will be required at the time of the bid opening. Samples may be subjected to laboratory testing at the discretion of the contracting officer. Bidders are responsible for all testing costs of their sample garments.

Bidders must enclose evidence (dated manufacturers catalogs or similar) that this item is currently a commercial in-stock style. The successful bidder will provide a full size run of try-on garments within 10 days for agency approval.

Garments must be manufactured to ISO 9001 quality assurance standard. A copy of the certificate registration will be required with the bid.

Specification based on Size Men 34, Regular length.



**FABRIC:**

Content – 65% Poly/ 35% Cotton, Ripstop Weave. Colorfastness to light and home laundering, with soil release finish. Machine washable and dry cleanable cotton blend provides user comfort, uniform appearance, durability, and easy care.

Physical Properties:

- Weight – 6.50 oz. per square yard (+ or - .25 oz.)
- Warp Yarn – 20/1
- Filling Yarn – 12.5/1
- Tensile – 80 x 45
- Tear – 4.0 x 3.0 lbs

- Wash fastness –Shade Change: 4.0  
-Staining: 3.0
- Crocking –Dry: 4.0  
-Wet: 3.0

**INTERNAL CONSTRUCTION FABRIC:**

Pockets shall be:

- Blend: 65% Polyester/ 35% cotton
- Weave: Twill
- Weight: 4.95 oz. per square yard (+ or - .25 oz.)
- Finish: Pre-cure permanent press

**TRIM:**

- Interlining: non-woven Polyester
- Binding: polyester/cotton twill bias cut
- Tunnel Elastic: 1" wide, washable and dry cleanable
- Shirt Grip: 3/4" poly/cotton tape with single strip of silicone
- Fly zipper: self-healing nylon coil #4.5 with auto lock slider
- Snap: Prym style brass non-rusting metal with cap
- Buttons: melamine, 24 ligne; Color: matching shell fabric
- Hook/Loop tape: 5/8"

**GENERAL DESIGN:**

B.DU style pant has six (6) pockets, knee patches, tunnel waistband, zipper fly, with button fly tab.

**TUNNEL WAISTBAND:**

The tunnel waistband has a finished width of 2". Construction made of 2-ply shell fabric, 1-ply interlining, elastic, silicone shirt grip tape, and edge binding. Construction consists of front waistband tapering at the side inserted into the back tunnel waistband, with 1" elastic band. Vertical bar tacks are added vertically at the front and toward back to control the elastic length. Top and bottom waistband seams are clean finished with 1/16" edge stitching. On the inside, the waistband edge is clean finished with binding and 3/4" twill silicone shirt grip tape stitched at center of under waistband. There shall be one snap closure with flat back and covered cap placed centered and 3/4" from center front edge to center of the snap.

**WAIST CLOSURE:**

Waist closure appearance is guaranteed by mounting a #24 ligne four-hole button on the bottom edge of the under waistband facing, on the wearer's left for the fly tab. (*\*Women does not have a fly tab.*)

**FLY CONSTRUCTION:**

The right inside fly is reinforced with 2-ply shell fabric and 1-ply interlining and 1/8" gauge top stitched along the entire exposed edge to insure shape retention for extended wear life. The left fly, constructed of 2-ply shell, fully lined internally for shape retention. Right and left fly are joined together at the base of the fly with vertical bar tack.

**SLIDE FASTENER (FLY ZIPPER):**

Delrin coil, self-healing hardware mounted on colorfast blend of nylon and cotton 7/16" tape, Coil size #4.5. Metal zippers which may break will not be accepted.

**BELT LOOPS:**

There are seven (7) belt loops on trouser sizes up to and including waist 45, nine (9) on sizes 46 through 60, and eleven (11) on sizes 62" and over. Each loop shall have an opening fully 2-1/4" long and 1" wide, double needle stitched, and interlined with fusible. Belt loop placement is specifically located to afford the cleanest of



appearances along with proper functionality of the tunnel waistband. (\*Quantity of belt loops changes per women sizing.)

### **POCKETS:**

There are 6 pockets assembled from internal construction fabric as follows:

- I. Front: Quarter pocket style with L-shape measure 1-5/8" from the top waistband to 1-1/4" at the bottom at the side seam. Pockets constructed of one piece of the specified pocketing material finish approximately 7" wide at the bottom of pocket opening, and 12-1/2" long from where the pocket is sewn into the waistband. Pockets will be over-edge stitched, turned and top-stitched for security and clean-finishing. There is a shell facing, on palm side of pocket, from the side seam along waistband that measures 4-1/4" wide and taper to the bottom of pocket opening. Another shell facing placed on the inside of the pocket, away from the body, measuring 1-3/4" wide. There shall be a horizontal bar tack across the top of the pocket opening, on outer layer of waistband, and a vertical bar tack at the bottom of the pocket opening centered on the side seam for reinforcement.
- II. Rear: Left and right besom hip pockets with double welt and asymmetrical flap. Vertical straight bar tacks set at each end of the pocket opening. The top and bottom pocket opening shall be topstitched. The finished pocket opening shall measure 5-1/2". The asymmetrical pocket flap shall be constructed of 2-ply of shell fabric and 1-ply interlining. Pocket flap measure 2" high at center back and taper down to 2-1/2" at side seam by 5-1/2" wide. This pocket flap is inserted between the welts with the longer side closest to the side seam and the shorter side at center back and shall be secured to the pocket with two pieces of hook and loop tape closure measuring 1" wide by 1" long (color should match shell fabric).
- III. Side: There shall be side cargo patch pockets sewn to each outside leg such that the pocket is centered across the side seam of the trouser. The top of the pocket flap set 8-1/2" below the waistband and 3/4" above the patch pocket. The asymmetrical pocket flap shall be made of 2-ply of shell fabric and 1-ply of interlining. The flap measure 2" high at front and taper down to 3-1/8" high at center back by 7-1/2" wide. The pocket flap is secured to the outer pocket with two pieces of hook and loop tape closure measuring 1" wide by 1" long. The patch pocket shall be constructed of 1-ply of shell fabric. The outer pocket measure 7-1/2" wide and 8" long. Patch pocket has 2 vertical pleats, square corners, and top edge of pocket opening is angled to follow flap shape. Horizontal bar tacks placed at top corners of flap and vertical bar tacks placed at top corners of patch pocket for reinforcement.

Inside wearers' left side cargo patch pocket shall have an interior magazine pocket cut out of 1-ply shell with top opening measuring 6" wide relax, extending to 6-1/2" wide, by 4" high, and tapering to 4-1/2" wide at the bottom. This pocket shall have an elasticized top hem with a single needle, vertical stitching thru' center dividing the pocket into two (2). There are vertical bar tacks placed at each top side edge and at top of center divider for reinforcement.

Inside wearers' right side cargo patch pocket shall have an interior phone pocket cut out of 1-ply shell with double bend-back top edge measuring 4" wide by 6" high. There are vertical bar tacks placed at each top side edge for reinforcement.

### **DARTS:**

There are two (2) darts to shape the trouser. They shall be placed at the left and right back extending down from the waistband to the center of each hip pocket.

### **CROTCH AND SEAT ASSEMBLY:**

The crotch is formed below the fly at the intersection of the four body panels and the diamond-shaped gusset. To ensure absolute seat seam integrity, the seat seam, which joins the left and right sides of the trousers, is double sewn by means of two needles each; sewing stitch type 401, chain stitch. The two needles sew in

tandem to form closely adjacent alternating stitches totaling not less than 16 per inch. Seams, which expose thread to external abrasion, are unacceptable.

**LEG CONSTRUCTION:**

The legs are fully cut for ease of movement and assembled using over-edge stitching with outside double-needle reinforcement. Knee pad openings on each leg, are made of 1-ply pocketing fabric with clean finished edges to accept optional knee pads.

**THREAD:**

All thread shall be polyester wrapped on monofilament polyester. Color to match.

**STITCHING:**

All stitching conforms to Federal Standard 751 specifications (FED-STD-751). All stitch types are sewn at stitch per inch (S.P.I.) rates individually set by operation at no less than 10 S.P.I. and not more than 12 S.P.I. to insure extended sewn wear life. Stitch type 401 Tandem is used at a combined S.P.I. of 16. All thread tension is evenly maintained to eliminate tight or loose stitching, All seam allowances are to be maintained so that there are no raw edges, run offs, twist, pleats, puckers or open seams.

**FINISHING:**

Trousers are fully shaped on high temperature, high-pressure presses to eliminate wrinkles and form creases. Trousers meet the standard of the American Association of Textile Chemists and Colorists as follows:

- I. AATCC Test Method 124-1975 "Appearance of Durable Press Fabric After Repeated Home Launderings".
- II. AATCC Test Method 88B-1975 "Appearance of Seams in Wash and Wear Items After Home Launderings".
- III. AATCC Test method 88C-1975 "Appearance of Crease in Wash and Wear Items After Home Launderings".

**WORKMANSHIP:**

All trousers are made in an ISO 9000 certified plant and are inspected during manufacturing, at final trimming and packing to insure consistent quality and adherence to this specification.

**WARRANTY:**

All trousers shall be warranted against defects in materials and workmanship for one year.

**LABELING:**

All trousers will bear all labels mandated by the Federal Trade Commission at the date of manufacture.

**SIZING:**

Trousers are fully graded such that all vital dimensions change according to waist size. The grade applies not only to seat, front rise, back rise, and thigh measurements but also to the knee and bottom measurements. Additionally, the trousers shall be manufactured and stocked in (5) inseam lengths: 30, 32, 34, 36, & 38(unhemmed). (*Women's sizing stocked in different inseam lengths.*)

**STANDARD SIZE RANGE:**

Men's: Waist sizes 28 - 54; pre-hemmed lengths

Women's: Sizes 2-26; Short & Regular

**MEASUREMENTS:**

Men's: Waist Size 34, Regular Length

1/2 Waist: 17.5 (plus or minus 0.25 inch)

1/2 Seat: 22.5 (plus or minus 0.25 inch)

1/2 Knee: 10.5 (plus or minus 0.25 inch)  
1/2 Bottom Leg: 8.75 (plus or minus 0.25 inch)  
Inseam: 38 unhemmed (plus or minus 0.50 inch)  
Front Rise: 9.25 (plus or minus 0.25 inch)  
Back Rise: 11.25 (plus or minus 0.25 inch)

Women's: Size 10, Regular Length

1/2 Waist: 17 (plus or minus 0.5 inch)  
1/2 Seat: 21.75 (plus or minus 0.25 inch)  
1/2 Knee: 10.375 (plus or minus 0.25 inch)  
1/2 Bottom Leg: 9 (plus or minus 0.25 inch)  
Inseam: 36 unhemmed (plus or minus 0.50 inch)  
Front Rise: 9 (plus or minus 0.25 inch)  
Back Rise: 10.125 (plus or minus 0.25 inch)

**ATTACHMENT E: SPECIFICATIONS**  
**8731 BLAUER TENX BDU LONG SLEEVE SHIRT**  
**COLOR: DARK GREY**  
**DATE: June 3, 2019**

**GENERAL:**

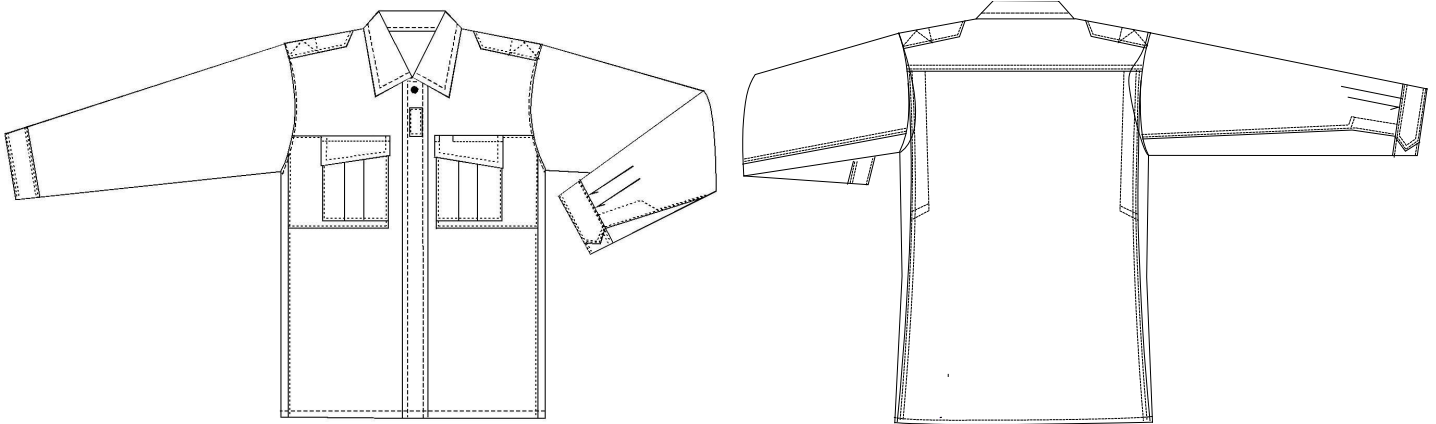
*All garment details not specifically described herein; tailoring, styling, construction, materials, and components must match the standard reference sample on file with the agency. Written specifications attempt to describe key requirements of a 3D garment and cannot do so adequately and therefore silence of the specifications does not absolve bidders from matching with precision the standard reference sample.*

Pre-bid samples will be required at the time of the bid opening. Samples may be subjected to laboratory testing at the discretion of the contracting officer. Bidders are responsible for all testing costs of their sample garments.

Bidders must enclose evidence (dated manufacturers catalogs or similar) that this item is currently a commercial in-stock style. The successful bidder will provide a full size run of try-on garments within 10 days for agency approval.

Garments must be manufactured to ISO 9001 quality assurance standard. A copy of the certificate registration will be required with the bid.

Specification based on Men Size Medium, Regular length.



**FABRIC:**

SHELL Content – 65% Poly /35% Cotton, Ripstop Weave

Colorfastness to light and home laundering with soil release finish. Machine washable and dry cleanable wool blend provides user comfort, uniform appearance, durability, and easy care.

Physical Properties:

- Weight – 6.50 oz. per square yard, + or - .25 oz.
- Warp Yarn – 20/1
- Filling Yarn – 12.5/1
- Tensile – 80 x 45
- Tear – 4.0 x 3.0 lbs
- Washfastness –Shade Change: 4.0
  - Staining: 3.0
- Crocking –Dry: 4.0
  - Wet: 3.0

SIDE PANEL KNIT: Content – 92% Nylon /8% Lycra mesh technical knit with high abrasion, pill resistance and anti-odor finish. Breathable, 4 way stretch.

Physical Properties:

- Weight – 6 oz. per square yard
- Pilling Resistance (Face) – 5
- Stretch (elongation) – 105 x 170
- Bursting Strength, min (psi) – 100

Colorfastness:

- Laundering shade change, min – 4
- Washfastness – 4
- Dry/Wet Crocking – 4

**TRIM:**

- Interlining: Front Placket: 50% Polyester 50% Cotton; Small Parts: 100% polyester.
- Hook and loop: Woven Nylon base
- Buttons: melamine, 20 ligne, 4-hole, matching shell fabric
- Zipper: #3 Nylon, separating
- Collar Stays; 2-1/2" x 3/8"
- Snaps: 12.5 mm metal, "S" spring
- Mesh lining

**TOP FUSING:**

The following parts shall be top fused prior to sewing with woven interlining:  
Placket, collar, pocket flaps, cuffs, and epaulets.

**GENERAL DESIGN:**

B.DU style long sleeve shirt with convertible collar, zippered front, and stretch mesh panels.

**CONVERTIBLE COLLAR:**

Convertible 'sport' collar of medium spread, with collar points measuring 2-3/4" in length and collar height of 3-1/4" at center back. Collar consists of 2-ply shell and 1-ply interlining on top collar only. Permanent stays 2" in length and 3/8" wide, are sewn inside collars so that no stitches are made through bottom leaf, and placed along front edge. Collar shall be 1/4" double needle topstitched all around.

**SLEEVES:**

Are straight, two piece set-in sleeves with a stretch mesh underarm panel with a 1/4" double needle topstitch on shell fabric. The cuffs to be 2-1/2" in width and shall have a tab adjustment. Tab shall be pointed, with hook and loop closure. The cuff shall be 1/4" double needled topstitched at the bottom, and 1/16" from the edge of the top. There shall be a sleeve vent opening from the top of the cuff, measuring 4-3/4" long. The vent placket shall be 3/4" wide finished with 1/16" single needle topstitch. The sleeve seam, as well as the sleeve setting seam (i.e. securing it to be body of the shirt) must be made by a narrow safety stitch, so as to properly strengthen the seam, as well as prevent the fabric from raveling. Cuffs are to be top fused and fully lined to give body by sewing in a self-fabric inner lining, cut straight to retain its shape.

**FRONT:**

The left front shall have a top center placket 1-1/2" wide with two double rows of stitching 7/8" apart. The front shoulders shall be joined so that both raw edges of the back yoke are turned under, with the front sandwiched between, then all three are stitched down with a 1/4" double needle stitch. Shoulder joining shall utilize quality folder joining method; a safety stitch joining is unacceptable. The front placket at top center is interlined with stabilized fusible interlining. Front placket shall have a 14" nylon zipper with a compatible colored tape sewn to the front of the shirt and hidden snap at top and bottom of zipper. Hem shall be clean finished using double bend back folder with 1/4" top stitching.

**MESH SIDE PANELS:**

There shall be two (2) mesh side panels sewn to the front and back panels to allow ventilation and for bi-swing action. Top of the side panel meets the top of the mesh sleeve panel on the fronts. Top of the side panel extends to below back yoke on the back side and acts as a bi-swing. There are 1" wire openings, clean finished, between the front panels placed directly below the bottom of the notebook pockets. Panels shall be finished with 1/4" double needle topstitching.

**POCKETS:**

- Two (2) B.DU style patch pockets are on the chest with 1-1/4" box pleat, stitched top and bottom to prevent spreading. Pockets are topstitched 1/16" from the edge, with square corners, to finish 5-3/4" wide by 5-3/4" long. The left chest pocket shall have an internal pencil compartment 1-1/2" wide corresponding to opening on flap.
- Hidden napoleon or notebook pockets on the left and right sides are under the chest patch pockets and close with hook and loop, measuring 5/8" wide by 2" long. Notebook pocket opening measures 6-1/4", shall be secured with 1 vertical bar-tack at the bottom of the opening on both sides.

**POCKET FLAPS:**

Style has two (2) asymmetrical flaps, with 1/4" double needle topstitching, to finish 5-3/4" in width, by 2-3/4" long at outer sides, and 2-1/4" at front side. Flaps are secured to the front of the shirt with two rows of stitching 3/16" apart. Left flap has a 1-1/4" pencil opening corresponding to pencil compartment inside the pocket. Flaps have woven interlining of stabilized fusible. Creased and edge stitched pocket flap construction is unacceptable. The side points of the flaps are to be secured to the pocket by means of hook and loop fasteners sewn onto the flaps and pockets, the hook portion being stitched to the pocket and loop portion sewn to the underside of the flap. The loop piece sewn to the flap shall not be sewn through and through the flap, but must be attached during the manufacturing process before the flap is assembled to prevent the stitching from showing.

**BACK:**

There shall be a bi-wing pleat stitched to back side of mesh side panel. Pleat is constructed with a 1-1/4" fold-over, reinforced with a 1-1/4" box-stitch and "X" stitch directly below back yoke. Bi-wing measures approximately 1-1/4" wide by 9" long. Back panel side seams are finished with 1/4" double needle topstitch towards center back.

**BACK YOKE:**

One-piece back yoke is fully lined with mesh fabric and finished with 1/4" double needle topstitching. The yoke is to measure approximately 3-3/8" high at the center back.

**EPAULETS:**

The epaulets shall be made of 1-ply shell fabric folded, and 1-ply fuse and tac interlining, measuring 1-3/4" wide at shoulders and 1-1/2" wide at point. Both sides of the point shall be tacked down to prevent curling while the other end shall be sewn into the armhole seam during sleeve setting. The length is to be graded conforming to the size of the shirt, while maintaining point placement at 1" from the neckline seam. The epaulets shall be tacked at shoulder with a 1-3/4" box-stitch and "X" stitch from the sleeve head seam through all layers; the remaining opening shall be big enough to allow a standard external microphone to pass through.

**MIC TAB:**

There shall be a mic tab on front placket measuring 7/8" wide and 2" long. Mic tab shall be interlined and placed centered on front placket, 4" below neckline.

**THREAD:**

All thread shall be polyester wrapped on monofilament polyester. Color to match.

**STITCHING:**

All stitching conforms to Federal Standard 751 specifications (FED-STD-751). All stitch types are sewn at stitch per inch (S.P.I.) rates individually set by operation at no less than 10 S.P.I. and not more than 12 S.P.I. to insure extended sewn wear life. All thread tension is evenly maintained to eliminate right or loose stitching. All seam allowances are to be maintained so that there are no raw edges, run offs, twist, pleats, puckers or open seams.

**SIZES:**

Permanent size marking giving size is to be located inside of collar.

**CARE LABEL:**

Care instructions to be on hem of shirt in front.

**PRESSING & FINISHING:**

Shirt shall be carefully pressed by hand in a first class manner. All loose threads to be thoroughly trimmed.

**STANDARD SIZE RANGE:**

Men's: XS – 5XL; Short, Regular, Tall Lengths

Women's: XS – 2XL; Regular Length

**MEASUREMENTS:**

Men's: Size M, Regular

Neck Width: 6.5 (plus or minus 0.25 inches)

Chest: 46 (plus or minus 0.75 inches)

Back Length: 32.5 (plus or minus 0.5 inches)

Sleeve Length (from CB neck): 35 (plus or minus 0.5 inches)

Women's: Size M, Regular

Neck Width: 6 (plus or minus 0.125 inches)

Chest: 41 (plus or minus 0.75 inches)

Back Length: 28 (plus or minus 0.5 inches)

Sleeve Length (from CB neck): 32 (plus or minus 0.5 inches)

**ATTACHMENT F: SPECIFICATIONS**  
**8741 BLAUER TENX BDU SHORT SLEEVE SHIRT**  
**COLOR: DARK GREY**  
**DATE: June 3, 2019**

**GENERAL:**

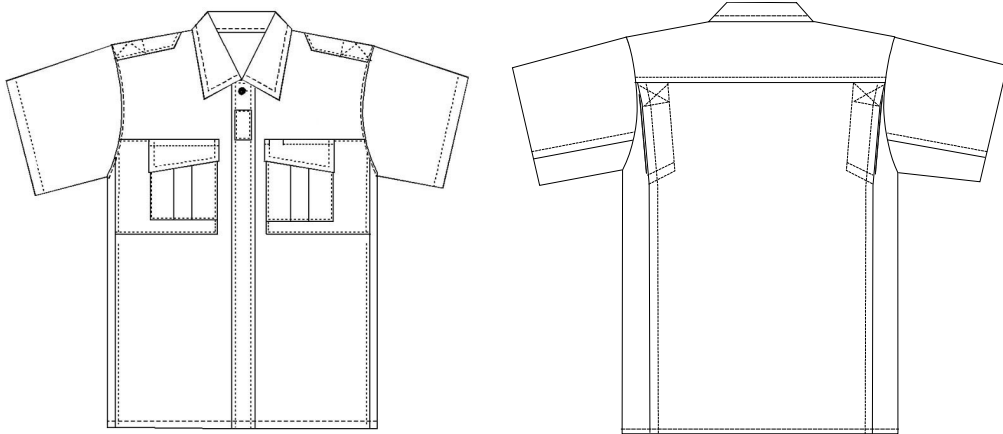
*All garment details not specifically described herein; tailoring, styling, construction, materials, and components must match the standard reference sample on file with the agency. Written specifications attempt to describe key requirements of a 3D garment and cannot do so adequately and therefore silence of the specifications does not absolve bidders from matching with precision the standard reference sample.*

Pre-bid samples will be required at the time of the bid opening. Samples may be subjected to laboratory testing at the discretion of the contracting officer. Bidders are responsible for all testing costs of their sample garments.

Bidders must enclose evidence (dated manufacturers catalogs or similar) that this item is currently a commercial in-stock style. The successful bidder will provide a full size run of try-on garments within 10 days for agency approval.

Garments must be manufactured to ISO 9001 quality assurance standard. A copy of the certificate registration will be required with the bid.

Specification based on Men Size Medium, Regular length.



**FABRIC:**

SHELL Content – 65% Poly /35% Cotton, Ripstop Weave

Colorfastness to light and home laundering with soil release finish. Machine washable and dry cleanable wool blend provides user comfort, uniform appearance, durability, and easy care.

Physical Properties:

- Weight – 6.50 oz. per square yard, + or - .25 oz.
- Warp Yarn – 20/1
- Filling Yarn – 12.5/1
- Tensile – 80 x 45
- Tear – 4.0 x 3.0 lbs
- Washfastness –Shade Change: 4.0  
-Staining: 3.0
- Crocking –Dry: 4.0  
-Wet: 3.0



**SIDE PANEL KNIT:** Content – 92% Nylon /8% Lycra mesh technical knit with high abrasion, pill resistance and anti-odor finish. Breathable, 4 way stretch.

Physical Properties:

- Weight – 6 oz. per square yard
- Pilling Resistance (Face) – 5
- Stretch (elongation) – 105 x 170
- Bursting Strength, min (psi) – 100

**Colorfastness:**

- Laundering shade change, min – 4
- Washfastness – 4
- Dry/Wet Crocking – 4

**TRIM:**

- Interlining: Front Placket: 50% Polyester 50% Cotton; Small Parts: 100% polyester.
- Hook and loop: Woven Nylon base
- Buttons: melamine, 20 ligne, 4-hole, matching shell fabric
- Zipper: #3 Nylon, separating
- Collar Stays; 2-1/2" x 3/8"
- Snaps: 12.5 mm metal, "S" spring
- Mesh lining

**TOP FUSING:**

The following parts shall be top fused prior to sewing with woven interlining:  
Placket, collar, pocket flaps, and epaulets.

**GENERAL DESIGN:**

B.DU style short sleeve shirt with convertible collar, zippered front, and stretch mesh panels.

**CONVERTIBLE COLLAR:**

Convertible 'sport' collar of medium spread, with collar points measuring 2-3/4" in length and collar height of 3-1/4" at center back. Collar consists of 2-ply shell and 1-ply interlining on top collar only. Permanent stays 2" in length and 3/8" wide, are sewn inside collars so that no stitches are made through bottom leaf, and placed along front edge. Collar shall be 1/4" double needle topstitched all around.

**SLEEVES:**

Are straight, set-in sleeves, two-piece style of shell & knit, with knit underarm panel, and 1/4" double needle topstitching on shell fabric. Sleeve hem should be clean finished with a 1" hem and 1/16" edge stitch. The sleeve seam, as well as the sleeve setting seam (i.e. securing it to be body of the shirt) must be made by a narrow safety stitch, so as to properly strengthen the seam, as well as prevent the fabric from raveling.

**FRONT:**

The left front shall have a top center placket 1-1/2" wide with two double rows of stitching 7/8" apart. The front shoulders shall be joined so that both raw edges of the back yoke are turned under, with the front sandwiched between, then all three are stitched down with a 1/4" double needle stitch. Shoulder joining shall utilize quality folder joining method; a safety stitch joining is unacceptable. The front placket at top center is interlined with stabilized fusible interlining. Front placket shall have a 14" nylon zipper with a compatible colored tape sewn to the front of the shirt and hidden snap at top and bottom of zipper. Hem shall be clean finished using double bend back folder with 1/4" top stitching.

**MESH SIDE PANELS:**

There shall be two (2) mesh side panels sewn to the front and back panels to allow ventilation and for bi-swing action. Top of the side panel meets the top of the mesh sleeve panel on the fronts. Top of the side

panel extends to below back yoke on the back side and acts as a bi-swing. There are 1" wire openings, clean finished, between the front panels placed directly below the bottom of the notebook pockets. Panels shall be finished with 1/4" double needle topstitching.

**POCKETS:**

- Two (2) B.DU style patch pockets are on the chest with 1-1/4" box pleat, stitched top and bottom to prevent spreading. Pockets are topstitched 1/16" from the edge, with square corners, to finish 5-3/4" wide by 5-3/4" long. The left chest pocket shall have an internal pencil compartment 1-1/2" wide corresponding to opening on flap.
- Hidden napoleon or notebook pockets on the left and right sides are under the chest patch pockets and close with hook and loop, measuring 5/8" wide by 2" long. Notebook pocket opening measures 6-1/4", shall be secured with 1 vertical bar-tack at the bottom of the opening on both sides.

**POCKET FLAPS:**

Style has two (2) asymmetrical flaps, with 1/4" double needle topstitching, to finish 5-3/4" in width, by 2-3/4" long at outer sides, and 2-1/4" at front side. Flaps are secured to the front of the shirt with two rows of stitching 3/16" apart. Left flap has a 1-1/4" pencil opening corresponding to pencil compartment inside the pocket. Flaps have woven interlining of stabilized fusible. Creased and edge stitched pocket flap construction is unacceptable. The side points of the flaps are to be secured to the pocket by means of hook and loop fasteners sewn onto the flaps and pockets, the hook portion being stitched to the pocket and loop portion sewn to the underside of the flap. The loop piece sewn to the flap shall not be sewn through and through the flap, but must be attached during the manufacturing process before the flap is assembled to prevent the stitching from showing.

**BACK:**

There shall be a bi-wing pleat stitched to back side of mesh side panel. Pleat is constructed with a 1-1/4" fold-over, reinforced with a 1-1/4" box-stitch and "X" stitch directly below back yoke. Bi-wing measures approximately 1-1/4" wide by 9" long. Back panel side seams are finished with 1/4" double needle topstitch towards center back.

**BACK YOKE:**

One-piece back yoke is fully lined with mesh fabric and finished with 1/4" double needle topstitching. The yoke is to measure approximately 3-3/8" high at the center back.

**EPAULETS:**

The epaulets shall be made of 1-ply shell fabric folded, and 1-ply fuse and tac interlining, measuring 1-3/4" wide at shoulders and 1-1/2" wide at point. Both sides of the point shall be tacked down to prevent curling while the other end shall be sewn into the armhole seam during sleeve setting. The length is to be graded conforming to the size of the shirt, while maintaining point placement at 1" from the neckline seam. The epaulets shall be tacked at shoulder with a 1-3/4" box-stitch and "X" stitch from the sleeve head seam through all layers; the remaining opening shall be big enough to allow a standard external microphone to pass through.

**MIC TAB:**

There shall be a mic tab on front placket measuring 7/8" wide and 2" long. Mic tab shall be interlined and placed centered on front placket, 4" below neckline.

**THREAD:**

All thread shall be polyester wrapped on monofilament polyester. Color to match.

**STITCHING:**

All stitching conforms to Federal Standard 751 specifications (FED-STD-751). All stitch types are sewn at stitch per inch (S.P.I.) rates individually set by operation at no less than 10 S.P.I. and not more than 12 S.P.I. to insure extended sewn wear life. All thread tension is evenly maintained to eliminate right or loose stitching. All seam allowances are to be maintained so that there are no raw edges, run offs, twist, pleats, puckers or open seams.

**SIZES:**

Permanent size marking giving size is to be located inside of collar.

**CARE LABEL:**

Care instructions to be on hem of shirt in front.

**PRESSING & FINISHING:**

Shirt shall be carefully pressed by hand in a first class manner. All loose threads to be thoroughly trimmed.

**STANDARD SIZE RANGE:**

Men's: XS – 5XL; Short, Regular, Tall Lengths

Women's: XS – 2XL; Regular Length

**MEASUREMENTS:**

Men's: Size M, Regular

Neck Width: 6.5 (plus or minus 0.25 inches)

Chest: 46 (plus or minus 0.75 inches)

Back Length: 32.5 (plus or minus 0.5 inches)

Sleeve Length (from CB neck): 20 (plus or minus 0.5 inches)

Women's: Size M, Regular

Neck Width: 6 (plus or minus 0.125 inches)

Chest: 41 (plus or minus 0.75 inches)

Back Length: 28 (plus or minus 0.5 inches)

Sleeve Length (from CB neck): 18.5 (plus or minus 0.5 inches)

**ATTACHMENT G: SPECIFICATIONS**  
**4660 BLAUER SOFT SHELL ACTIVE DUTY JACKET; LINER TO SYSTEM OUTERWEAR**  
**COLOR: BLACK**  
**DATE: March 28, 2018**

**GENERAL:**

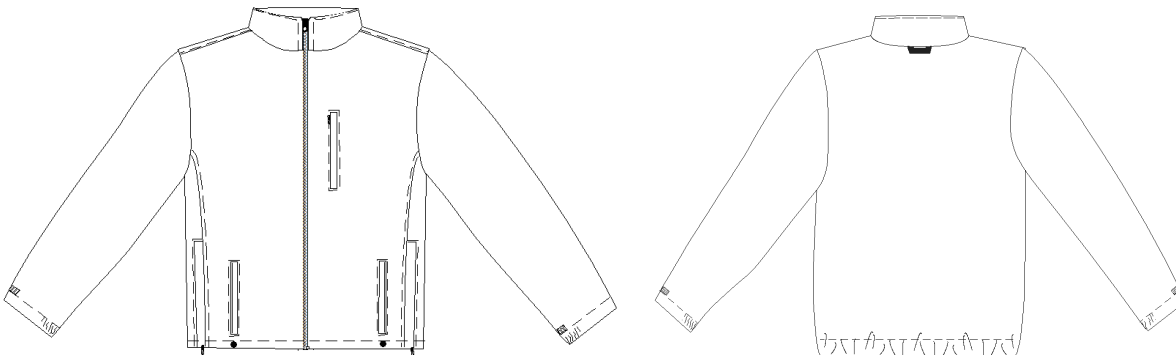
*All garment details not specifically described herein; tailoring, styling, construction, materials, and components must match the standard reference sample on file with the agency. Written specifications attempt to describe key requirements of a 3D garment and cannot do so adequately and therefore silence of the specifications does not absolve bidders from matching with precision the standard reference sample.*

Pre-bid samples will be required at the time of the bid opening. Samples may be subjected to laboratory testing at the discretion of the contracting officer. Bidders are responsible for all testing costs of their sample garments.

Bidders must enclose evidence (dated manufacturers catalogs or similar) that this item is currently a commercial in-stock style. The successful bidder will provide a full size run of try-on garments within 10 days for agency approval.

Garments must be manufactured to ISO 9001 quality assurance standard. A copy of the certificate registration will be required with the bid.

Specification based on Unisex Size Medium, Regular length.



**FABRIC:** Outer shell content: 88% Nylon, 12% Spandex with a durable water repellent and soil release finish. Softshell Fleece (laminated to inside) 50% Polyester, 44% Nylon, 6% Spandex. Shall be deep color reactive dyed, colorfast to home laundering, and have a permanent press finish. Shrinkage - +/-3% for torque and +/-7% for length & width Weight – 310 GSM

**OTHER:**

- Pocketing: Brushed 100% Polyester 2 x 1 Twill
- Interlining: Non-fusible Pellon

Softshell Fleece (laminated to inside) 50% Polyester, 44% Nylon, 6% Spandex. Shall be deep color reactive dyed, colorfast to home laundering, and have a permanent press finish. Shrinkage - +/-3% for torque and +/-7% for length & width Weight – 310 GSM

**TRIM:**

- Zippers, all YKK brand:
  - Center Front size #5, YKK MUZI, one-way
  - Front Pocket & Napoleon pocket size #3, nylon coil, one-way
  - Side Vents #5, nylon coil, one-way closed end
- Snaps: for Side tabs, metal with firm action, size 20L with 24L nylon cap; Color: Black
- Elastic: Spandex 1" knitted; Color: Black
- Tricot Mesh: for zipper binding, 100% polyester; Color: Black
- Grosgrain Ribbon: 1/2" & 3/4" widths; Color: Black

**GENERAL DESIGN:**

Jacket with front MUSI zipper to work with Blauer System Outerwear. Vertical single welt hip pockets with zipper closure and Napoleon pocket on wearer's left. Side front zipper openings for equipment access. Set-in one piece sleeve with partial elasticized cuff and stand up collar with CF zipper closure to top collar edge.

**COLLAR:**

Stand up collar style with zipper closure to top of collar. The collar consists of two layers of self-fabric and two layers of fusible tricot for reinforcement and structural integrity. The inner collar-joining seam will be clean finished to protect the wearer's neck from a rough seam edge. The collar will lay flat and be shaped to the neck without gapping or puckering. When turned up the collar will comfortably fit around the wearer's neck and come short of the chin. There shall be a 2" by 3/8" hanger loop attached to the back of the collar and a garment label on the inside collar.

**SLEEVES:**

To be straight one-piece set in style with 1" cuffs of self-fabric and lined with 7/8" elastic. The inseam shall be safety stitched. Ribbon loop 1/2" wide by 1-1/4" long is centered over sleeve underarm seam above bottom hem stitch for attachment to Shell System outer jacket. Cuff hem shall finish with 1-3/16" facing of shell fabric and underside of cuff shall be elasticized with 1" elastic.

**FRONT:**

The fronts are one piece and shall have a full zip opening from top of collar to bottom hem. The #5 Vislon molded tooth YKK zipper shall be exposed type with a rounded wide pull. A curved seam starts at the armhole and extends down to the hem. Along this seam are vertical side opening zippers covered by welts to allow easy access to wearer's equipment. Zippers shall be clean finished with tricot binding to edges. The bottom hem shall be turn up style 1-1/4" with 7/8" washable and dry cleanable elastic set into and clean finished. The bottom hem will stretch no less than 20%.

**SIDE OPENINGS:** There shall be side openings on both sides for access to equipment measuring 11-1/2" long. Zippers shall be clean finished with tricot binding to edges. There shall be an elasticized tab that measures 3" x 1" with male snap and female snaps with cap on waistband placed 1-3/4" away from zipper center on both side of opening.

**POCKETS:**

Has two (2) lower welt pockets made of Softshell fabric and 1 ply interlining with zipper closure. Side pockets opening towards side seam on slight angle and measures 7". There shall be a zippered napoleon pocket on wearer left side open towards center front measuring 6" (regular length). Pocket bags constructed with 1 layer brushed flannel fabric and 1 layer tricot. Zippers close from bottom to top.

**BACK:**

Back is plain and consists of 1 ply softshell fleece fabric. It wraps slight to the front, side curved seams. Bottom hem shall finish with 1-1/16" facing of shell fabric and back of hem shall be elasticized with 1" elastic.

**SHOULDERS:**

Set in style with slight drop for increased range of motion and comfort. Shoulder sleeve shall be top stitched for strength.

**ADDITIONAL COMPONENTS:**

The jacket shall come with two (2) epaulets, a name tab, two (2) mic tabs, and a badge tab; all made of shell fabric and shall be shipped in a small polybag that is swift tagged with the hangtags to the front of the jacket.

**THREAD:**

All thread shall be polyester wrapped on monofilament polyester. Color to match.

**STITCHING:**

All stitching conforms to Federal Standard 751 specifications (FED-STD-751). All stitch types are sewn at stitch per inch (S.P.I.) rates individually set by operation at no less than 10 S.P.I. and not more than 12 S.P.I. to insure extended sewn wear life. All thread tension is evenly maintained to eliminate right or loose stitching. All seam allowances are to be maintained so that there are no raw edges, run offs, twist, pleats, puckers or open seams.

**LABELS:**

Labeling shall be located inside of collar and shall list size, care, content, and country of origin.

**PRESSING & FINISHING:**

Jacket shall be carefully pressed and folded in a first class manner. All loose threads to be thoroughly trimmed.

**STANDARD SIZE RANGE:**

Unisex: Short, Regular, & Tall: XS – 4XL

**MEASUREMENTS**

Unisex: Regular length: Size Medium

Chest: 49.5 (plus or minus 0.75 inches)

Back Length: 25 (plus or minus 0.5 inches)

Sleeve Length From CB Neck: 34 (plus or minus 0.5 inches)

**ATTACHMENT H: SPECIFICATIONS**  
**9820 BLAUER TACSELL JACKET**  
**COLOR: BLACK**  
**DATE: June 3, 2019**

**GENERAL:**

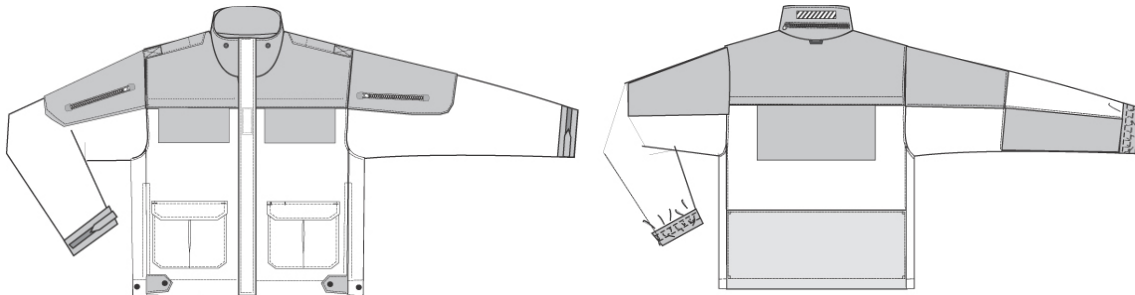
*All garment details not specifically described herein; tailoring, styling, construction, materials, and components must match the standard reference sample on file with the agency. Written specifications attempt to describe key requirements of a 3D garment and cannot do so adequately and therefore silence of the specifications does not absolve bidders from matching with precision the standard reference sample.*

Pre-bid samples will be required at the time of the bid opening. Samples may be subjected to laboratory testing at the discretion of the contracting officer. Bidders are responsible for all testing costs of their sample garments.

Bidders must enclose evidence (dated manufacturers catalogs or similar) that this item is currently a commercial in-stock style. The successful bidder will provide a full size run of try-on garments within 10 days for agency approval.

Garments must be manufactured to ISO 9001 quality assurance standard. A copy of the certificate registration will be required with the bid.

Specification based on Unisex Size Large, Regular length.



**FABRIC:**

Ripstop- 3 Layer laminate consisting of nylon (shell), PU waterproof breathable membrane, and tapeable tricot backer

- 10,000 mm waterproofness
- 10,000 g/m = 124 hours of moisture, vapor transmission.
- Dobby- 2L- Dobby w/1000mm clear coating.

**TRIM:**

- Eyelets: 8mm aluminum. Color: black
- Hook and loop: woven nylon base. Color: black
- Reflective trim: 1 inch wide, silver crosswalk.
- Seam tape: waterproof seam-sealing tape compatible with the permanent waterproof-breathable lining unchanged after minimum 12 home laundry cycles  
1-1/2" and 2cm widths. Color: grey
- Snaps:
  - 15-ligne plastic style for collar/hood.

- 20-ligne prong style with closed backs, gunmetal finish on brass, heavy-duty closure, with 24-ligne nylon cap for front storm-flies and side tabs. Color: Black (All snaps must be Universal Fastener brand)
- Brushed Pocketing: 100% Polyester brushed tricot. Color: black
- ZIPPERS: YKK brand quality; lengths specified are for size L/Reg; Color: Black unless specified
  - Front: Vislon, one way, double pull; size #5, 27-3/4.
  - Liner: Vislon, One-way, Separating, Reversible MUSI zipper with double pull; size #5, 25-1/2".
  - Sleeve underarm: coil, one way; size #5, 10".
  - Side seam: coil, one way; size #5, 11.5".
  - Napoleon Pocket: coil, one way; size # 3, 7".
  - Collar (hood storage): coil, one way; size #3, 14".

**COLLAR:**

There shall be a sport style collar with zipper extending to the top. The collar shall be made of two layers of shell fabric and one of non-woven interlining with a 1" by 8" strip of crosswalk reflective centered on back of collar. Collar zipper opening shall measure 14". The collar and stand will lay flat and be shaped to the neck without gapping or puckering. The collar will comfortably fit around the wearer's neck and come short of the chin. There shall be a 2" by 3/8" hanger loop attached to the back of the collar and a garment label on the inside collar.

**HOOD:**

There shall be a detachable hood made of 1-ply Dobby weave fabric. 3-pcs hood with front visor detail, unlined. There is an elastic draw cord with cord lock for hood opening and circumference adjustment. Hood width measures 23-3/4". Hood detaches using separating zipper and 4 snaps spaced evenly apart to bottom flange of collar pouch opening.

**SLEEVES:**

Sleeves are shaped two-piece style. There is a sleeve patch made of 1 ply dobby fabric with a 10" zipper to allow access to the shell for emblems and other customization. The cuffs measure 2" in width, half elastic and half not, and to fasten with a 3-3/4" x 1" hook and loop tab. Cuffs are to be interlined with non-woven and elastic to retain its shape. Cuff opening shall be 5-1/4" folded and consist of 1" wide by 5-1/2" long crosswalk reflective tape applied to underside portion of cuff.

**FRONTS:**

Jacket fronts shall be well one-piece, shaped, and symmetrical (balanced) with top and under stormflies. Top stormfly is constructed of 1 ply dobby, 1 ply ripstop, 1 ply interlining. Under stormfly constructed of 2 ply dobby, 1 ply interlining. Bottom stormfly turned up approximately 3/8" and secured with seven (7) bar-tacks to form a "Rain Gutter". Hidden female snaps set to top stormfly 3/4" from front edge (to center of snap). Male snaps set to bottom stormfly through all layers 1" from front edge (to center of snap). Front zipper set at top of collar and 1/8" above hem. Zipper facing consists of 1 ply dobby folded back hemmed edge, behind zipper of zip-out liner. Liner zipper set 1/2" down from top of collar with zipper pull on wearer's left side.

**FRONT YOKE:**

Front yoke consist of 1 ply dobby with 1" hem. There shall be an opening at bottom edge of yoke measuring approximately 6-1/2". There shall be a piece of hook 5/8" wide by 2" long centered on underside of yoke at bottom edge. Corresponding piece of loop 1-1/2" wide by 3 1/2" long sewn to front of jacket.

**HEM:**

Back hem shall consist of draw cord and cord lock. Hem shall measure 1 1/4".

**SIDE OPENINGS:**

There shall be side openings on both sides for access to equipment. The zippered opening will be 11-1/2" long and use a coil #5 coil zipper opening from bottom to top. There shall be an elasticized snap tab with female Prym style snap and cap and Prym style snaps male snaps on each side of the zipper for closure and



storage of the snap tab. The tab will hold front and rear portions of the jacket closed around equipment when the zipper is in the up position.

**POCKETS AND FLAPS:**

Front pocket flaps consist of 1 ply dobby and 1 ply ripstop. Side openings secured with horizontal and vertical bartacks at opening ends. Flaps shall measure 7-3/8" wide, 3" high at center of flap, and 2-1/4" at sides. Pocket shall measure 6-3/4" wide by 8-1/4" long (including flap) and have 1/2" inverted pleat at center of pocket, and mitered bottom corners. Pockets close with snaps. Pocket Flaps secured with horizontal bar-tacks at top corners, measure minimum of 3/8" (1 cm). Hidden Napoleon pocket on wearer's left only with zipper closure consists of 1 ply tricot/mesh material.

**BADGE TAB:**

There shall be a badge tab made from 2 plies of shell fabric with 2 eyelets. Badge tab measures 7/8" wide and 2-1/2" long and be sewn onto body (black colorway badge tab provided separate in polybag). Eyelets shall be 8mm in size of metal material and should measure 1-3/8" from center to center.

**NAME TAB:**

Name tab made of 2 ply ripstop measuring 7/8" wide by 4" long. Name tab shall be placed in polybag and swifftacked to badge tab with Blauer hangtag.

**MIC TAB:**

Mic tab made of 2 ply ripstop measuring 7/8" wide by 2-1/4" long and centered on top stormfly.

**SHOULDER STRAPS/EPAULETS:**

The shoulder straps shall be topstitched 1/16" from the edge and be pointed at the end toward the neck of the jacket where both points shall be tacked. Epaulets measure 2" at shoulder and 1-5/8" at point. The other end shall be sewn in the sleeve and measure 2" wide. The length is to be graduated conforming to the size of the jacket. The strap shall be box and cross-stitched to the shoulder approximately 1-1/4" from the sleeve head seam, leaving enough room for a detachable mic to feed through it. There shall be a stitched eyelet hole near the pointed end for fastening of a uniform metal button using a cotter pin.

**BACK YOKE:**

Back yoke made of 1 ply dobby with 1" hem. There shall be an opening at bottom edge of yoke measuring approximately 12-3/8". Opening securely bartacked at opening ends and consist of hook 5/8" wide by 5" long centered on underside of yoke at bottom edge. Corresponding piece of loop 1-1/2" wide by 8" long sewn to back of jacket.

**FRONT PULL DOWN PANEL:**

There shall be 2 front pull down panels made of 2 ply dobby and 1 ply interlining. Panels shall have a piece of hook 5/8" wide by 3-1/2" long and a piece of loop 5/8" wide by 2" long.

**BACK PULL DOWN PANEL:**

There shall be a pull down panel for the back yoke consist of 2 ply dobby and 1 ply interlining. Panel shall have a piece of hook 5/8" wide by 7-1/2" and a piece of loop 5/8" wide by 5" long.

**SIZES:**

Permanent size marking giving size to be located inside of collar.

**CARE LABEL:**

Care instructions to be located behind size label.

**PRESSING & FINISHING:**

Jacket shall be carefully pressed by hand in a first class manner. All loose threads to be thoroughly trimmed.

**UNISEX SIZING:**

Short: XS - XL

Regular: XS - 6XL

Tall: M - 6XL

**MEASUREMENTS**

Size: M, Regular length

Chest: 49.5 (plus or minus 0.75 inches)

Back Length: 26.75 (plus or minus 0.5 inches)

Sleeve from CB Neck: 36 (plus or minus 0.5 inches)