

INCH-POUND

A-A-55086

26 October 1992

COMMERCIAL ITEM DESCRIPTION

TROUSERS, MEN'S, UNDRRESS, POLYESTER/COTTON (CG)

The General Services Administration has authorized the use of this Commercial Item Description.

Abstract. This Commercial Item Description covers the requirements for men's trousers made of polyester/cotton blended twill fabrics. The trousers are intended for wear by the male military personnel of the Coast Guard as part of the undress and working blue uniform.

Classification. The trousers shall be of one type in the following sizes, and lengths:

Sizes. 28, 30, 32, 34, 36, 38, 40, 42

Lengths. Short, Regular, Long, and X-Long

Salient Characteristics. The trousers shall be of single needle construction with a waistband utilizing a commercial-type lining assembly and a hook and eye closure; belt loops; front slide fastener fly; straight side pockets with a 6 to 6-1/2 inch opening; two hip pockets with a button and buttonhole closure on the left hip pocket; uncut darts; seat seam outlet; and unhemmed bottom.

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: Defense Personnel Support Center, Clothing and Textiles Directorate, Attn: DPSC-FSSD, 2800 South 20th Street, Philadelphia, PA 19101-8419, by using the Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

AMSC N/A

FSC 8405

DISTRIBUTION STATEMENT A.

Approved for public release;
distribution is unlimited.

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The buttonhole shall be an eyelet-end taper-bar type, worked over gimp with the ends securely tacked. The belt loops shall measure 5/8 to 3/4 inch wide with a 1-1/2 to 1/5/8 inch opening. There shall be seven loops for sizes up to and including size 36, eight loops for size 38 and above. The belt loops shall be located as follows: one on each front in accordance with notches on pattern, one on each side seam, one centered on each back, and one at center back aligned with seat seam. The extra loop for large sizes shall be on right front 1-1/4 to 1-3/4 inches from right fly joining seam. The waistband shall finish 1-1/2 (\pm 1/8) inches wide. The following seam allowances shall be overedged: inseams, outseams (from lower pocket notch to bottom), crotch seam, right front edge of foreparts, left end of waistband, top and bottom edges of front and back, and back edge of right fly. The back edge of left fly facing and left fly interlining shall be overedged together. Bartack ends of all pocket openings and the base of fly either horizontally or in line with left fly stitching.

Material. The basic material for the trousers shall be a 2 up, 1 down, right hand twill of polyester/cotton with a blend of no less than 50% polyester, with the remainder of cotton, and a minimum weight of 6.8 oz/sq yd when tested as specified in ASTM-D 3776-85, option C. The color shall be Blue. The fabric shall have a minimum tearing strength of 7.0 pounds (warp) and 5.0 pounds (filling) when tested as specified in ASTM-D 1424-83.

Pocketing and lining. The cloth for the pockets, waistband lining, and right fly lining shall be a polyester, polyester/cotton, or polyester/rayon twill. The color shall be Black 423. The cloth shall have a minimum weight of 3.6 oz/sq yd and a minimum breaking strength of 72 pounds (warp) and 55 pounds (filling) when tested as specified in ASTM-D 5034-90.

Interlining. The material for interlining waistbands shall be a polyester or a polyester/cellulose blend non-woven.

Thread. The thread shall be cotton-covered polyester core.

<u>Use</u>	<u>Ticket No.</u>	<u>Ply</u>
Seaming and stitching	50, 70	2 or 3
Button sewing, bartacks, and buttonholes	50	2 or 3
Overedging	70	2 or 3

The color of the thread shall be Blue AT, CA 66060. The colored thread shall show fastness to light and laundering.

Gimp. The gimp for reinforcing buttonholes shall be a no. 8 gimp, matching the color of thread, and shall show "good" colorfastness to light and laundering.

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Buttons. The buttons for the left hip pocket shall be flat, 4 hole melamine plastic, 22-line. The color of the buttons shall be Black BT, Cable 62001.

Slide fastener. The slide fastener shall be no separating, non reversible cam lock, size light medium, short tab pull. All metal components of the slide fastener shall be brass and the semi-automatic pin lock cover and spring shall be stainless steel. A staple bottom stop is required. The color of the tape shall be shade Black G, Cable No. 66507. The tape shall show "good" colorfastness to laundering.

Hook and eye. The hook and eye for the waistband shall be North and Judd (Hook flex H-49 and E-50), Universal Button Co. (Talon #7, #8 hook and #8 eye or #85 eye), Patwin Inc., (Slim-Slack with MB eye) or equal. The finish of both components shall be nickel plate.

Sizes and Measurements. The finished trousers shall conform to the measurements below.

Sizes and measurements

Waist		Inseam (B)				Bottom (C)			
Size	(A)	S	R	L	XL	S	R	L	XL
28	28	32	34	36	38	18-1/4	18-1/4	18-1/4	18-1/4
30	30	32	34	36	38	18-1/2	18-1/2	18-1/2	18-1/2
32	32	32	34	36	38	18-3/4	18-3/4	18-3/4	18-3/4
34	34	32	34	36	38	19	19	19	19
36	36	32	34	36	38	19-1/4	19-1/4	19-1/4	19-1/4
38	38	32	34	36	38	19-1/2	19-1/2	19-1/2	19-1/2
40	40	32	34	36	38	19-3/4	19-3/4	19-3/4	19-3/4
42	42	32	34	36	38	20	20	20	20

Tolerances:

$\pm 1/2$	+1	+1	+1	+1	$\pm 1/2$	$\pm 1/2$	$\pm 1/2$	+ 1/2
-1/2	-1/2	-1/2	-1/2	-1/2				

(A) - With slide fastener closed and waistband hooked, measure along top edge of waistband from folded edge to folded edge.

(B) - Measure along inseam from crotch seam to (unhemmed) bottom edge of leg.

(C) - Measure across unhemmed bottom edge of leg. Multiply by two.

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Label/markings. A commercial type label is acceptable provided an additional combination label and size label showing fastness to laundering is used. The inscription for the combination label shall be:

NAME:
SERVICE NO:
TROUSERS, MEN'S UNDRRESS, POLYESTER/COTTON (CG)
FIBER CONTENT: 50% POLYESTER 50% COTTON
CONTRACT NO: DLA-100-00-0-0000 (EXAMPLE)
NAME OF CONTRACTOR:
NAME OF MANUFACTURER: (if other than contractor)

INSTRUCTION

MACHINE WASH, WARM (120 F MAX)
USE MILD SOAP OR DETERGENT
DO NOT BLEACH OR STARCH

TUMBLE DRY, MEDIUM HEAT, REMOVE PROMPTLY
If needed, touch up with iron - Low Setting

The inscription for the size label shall be:

34 R (EXAMPLE)
8405-00-000-0000 (EXAMPLE)

NOTE: The lengths (Short, Regular, Long, and X-Long) may be abbreviated as S, R, L and XL.

Pressing. Press the trouser top smooth including the fly. Crease the legs in the center with the seam matching at the bottom and in the crotch. The inseam in the crotch may be slightly back of the outside seam.

Patterns. Standard patterns to be used to cut working patterns will be furnished by the Government. The working patterns shall be identical to the Government patterns. Neither the Government patterns nor the working patterns shall be altered in any way, except that additional notches for use during construction are permitted on the working patterns. Minor modifications are permitted where necessary when using automatic equipment. These modifications shall not alter the appearance, serviceability, or dimensional requirements cited in the specification. Government patterns have a seam allowance of 3/8 inch for all seams except 1/2 inch allowance for seat seams, inseams, and outseams. An additional 3/4 inch has been added to the seat allowances (total 1-1/8 inches at top) to allow for tapering the seat outlet.

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Product Demonstration Model. When required, offerers shall submit samples of their intended production. The Product Demonstration Model will consist of units independently developed. Product Demonstration Models will be analyzed and evaluated by the government. Evaluation criteria and basis for award are contained in the solicitation. Product Demonstration Models will be retained by the government. The manufacturer's approved Demonstration Model shall be used as a manufacturing standard for conformance to the quality, workmanship and style requirements of this document and patterns. One (1) Product Demonstration Model approved by DPSC under the resultant contract will serve as a manufacturing standard for the corresponding production items delivered under this contract. Offerers are advised that the Product Demonstration Model does not relieve the successful offerer of his responsibility to perform in accordance with the Commercial Item Description specified above.

Quality Assurance.

Responsibility of inspection. The contractor is responsible for assuring the trousers conform to the requirements of this document and the demonstration model. The contractor is also responsible for both inprocess and final inspection for the entire contract quantity. The Government reserves the right to check any trouser(s) at any time during or after production for design, construction, workmanship, appearance, quality, and conformance to the Demonstration Model and finished dimensions on Figure 1 and the measurement chart. Defective items shall be adjusted or replaced by the contractor. Quality control shall be performed in the following areas:

- a. Cutting room operations or dimensional conformance (determined by placing parts on pattern).
- b. Assembly areas.
- c. Pressing areas.
- d. One hundred percent final inspection for conformance to the approved demonstration model and this document prior to packing and shipping.

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First lot. A first lot consisting of not less than 100 trousers shall be submitted and inspected for compliance with the design, construction, workmanship, appearance, quality, and dimensional requirements stated herein and with the approved demonstration model.

Certification. The contractor shall certify and maintain substantiating evidence that the product offered meets the salient characteristics of this description and that the product conforms to the producer's own drawings, specifications, standards and quality assurance practices. The Government reserves the right to require proof of such conformance prior to the first delivery and thereafter as may be otherwise provided for under the provisions of the contract. Reliance on contractor quality assurance systems shall not relieve the contractor of the responsibility of ensuring all products or supplies submitted to the Government for acceptance comply with all requirements of the contract.

Examination. Trouser lots shall be inspected in accordance with "Sampling Procedures and Tables for Inspection by Attributes", ANSI Z1.4, published by the American Society for Quality Control.

Visual examination. The trousers shall be examined for the defects listed below. The lot size shall be expressed in units of trousers. The sample unit is one trouser. The inspection level shall be II and the acceptable quality level (AQL), expressed in terms of defects per hundred units, shall be 2.5.

Defects. After the finished trousers have been thoroughly cleaned with all loose thread, lint, and foreign matter removed, they shall be examined for the following defects:

Material defects.

Any hole, cut, tear, smash, burn, drill hole, multiple float, open place, knot or slub, misweave, loose yarn, woven in waist, or needle chew.

Shade variations.

Any variation between parts, poor dye penetration, or dyestreak.

Pressing.

Any omitted or poor pressing, any double creased line, any burn or scorch, gloss or impressions not removed, legs not pressed seam on seam.

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Cleanness.

Any spot or stain, threads ends not removed or trimmed.

Component and assembly.

Any component not as specified, tight, twisted, distorted, pleated, or full. any component part or operation missing.

Seams and stitching.

Seam allowance not as specified, any open seam, raw edge, loose or tight tension.

Buttonhole and button.

Any buttonhole omitted, not specified type, finished as specified, or misplaced.

Any button missing, broken, defective, misplaced, not as specified, or insecurely sewn.

Hook and eye.

Damaged, not securely attached causing a bulge, twist, distortion, or pucker.

Bartacks.

Missing, insecure, misplaced, not serving intended purpose, or loose stitch tension.

Waistband and waistband lining.

Width of waistband or waistband lining not as specified, lining exposed on outside.

Belt loops.

Omitted, misplaced, not specified width or length.

Front opening.

Length of fly uneven at top, fly facing exposed beyond front edge, seam joining right fly to front exposed when fly is closed, left fly stitching irregular.

Slide fastener.

Slider not operable, stitching too close to edge of metal chain not permitting slider to pass freely, any cut, tear, or hole in slide fastener tape.

Pocket.

Top of pocketing not securely or evenly inserted under waistband, pocketing caught in unrelated stitching, unfinished seam on pocketing, hip pocket welt varies in width, dart incomplete or not extending into pocket opening.

Seat seam.

Outlet or lining outlet at waistband omitted or less than specified amount.

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Label.

Missing, misplaced, incorrect, illegible, or stitching through the printing.

Measurements.

Measurement of item not as specified.

Dimensional examination. The finished trousers shall conform to the dimensions specified. Any dimension that is not within the established tolerance shall be classified as a defect. The sample unit shall be one pair of trouser; the inspection level shall be S-4 and the AQL, expressed in terms of defects per hundred units, shall be 2.5.

Packaging Examination. The fully packaged shipping containers shall be examined in accordance with defects listed below. The lot size shall be the number of shipping containers in the inspection lot. The inspection level shall be S-2 and AQL, expressed in terms of defects per hundred units, shall be 2.5.

EXAMINE	DEFECT
Marking (exterior and interior)	Omitted; incorrect; illegible; of improper size, location, or method of application
Materials	Any component missing, damaged, or not as specified
Workmanship	Inadequate application of components, such as: incomplete closure of container flaps, loose strapping, improper taping, or inadequate stapling
Content	Number of items in container is more or less than required NSN shown on one or more items not as specified on shipping container
Palletization	Length, width, or height exceeds specified maximum requirements Pallet type not as specified Load not bonded as specified

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Regulatory Requirements. The offeror/contractor is encouraged to use recovered materials in accordance with Public Law 94-580 to the maximum extent practicable.

Packaging, Packing, Marking, and Palletization

Packaging, packing, marking and palletization shall be in accordance with ASTM-D 3951, Standard Practice for Commercial Packaging, as specified for shipments to the Department of Defense, including Section 7. Shipping cartons shall be style RSC-L, variety SW, with DW liners, class Domestic, grade 275.

Note: Each shipping container shall contain only one National Stock Number (NSN) and a total quantity of forty pairs of trousers packaged as specified above.

Unitized loads, placing boxes on pallets, shall be used whenever total quantity for shipment to one destination exceeds 250 pounds (excluding the pallet) or 20 cubic feet. Pallets shall have a length of 40 inches and a width of 48 inches. Pallet loads, including the pallet, shall not exceed 54 inches in height, 43 inches in length and 52 inches in width.

The containers shall be bonded onto wing type commercial 4-way entry pallets.

Note: All palletized loads shall contain only one NSN, to the maximum extent possible. When there is less than a pallet load per NSN, pallets may have containers not of the same NSN, but the pallet shall be clearly marked "mixed" and each applicable NSN shall be listed together with its total quantity.

Source of Government Documents. Copies of Military and Federal documents are available from:

Standardization Documents Order Desk
Bldg. 4D
700 Robbins Avenue Philadelphia, PA 19111-5094

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Source of Nongovernment Documents.

ANSI/ASQC Z1.4 - Sampling Procedures and Tables For Inspection
By Attributes

(Applications for copies should be addressed to American
National Standards Institute, 1430 Broadway, New York, NY 10018-
3308.)

ASTM-D 3951 - Standard Practice for Commercial Packaging

ASTM-D 1424-83 - Standard Test Method for Tear Resistance of
Woven Fabrics by Falling - Pendulum (Elmendorf) Apparatus

ASTM-D 3776-85 - Option C - Standard Test Methods for Mass per
Unit Area (Weight) of Woven Fabric

ASTM-D 5034-90 - Standard Test Method for Breaking Force and
Elongation of Textile Fabrics (Grab test)

(Applications for copies should be addressed to American
Society For Testing and Materials, 1916 Race Street,
Philadelphia, PA 19103.)

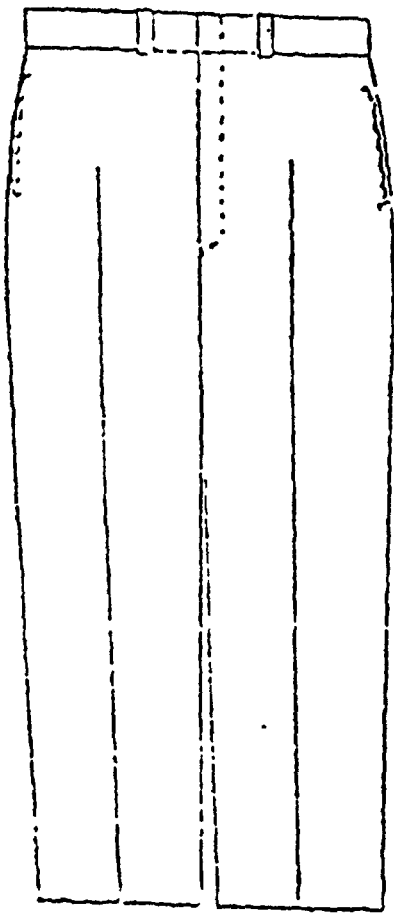
Custodian
Coast Guard - CG

Civil Agency Coordinating Activity:
GSA - FSS

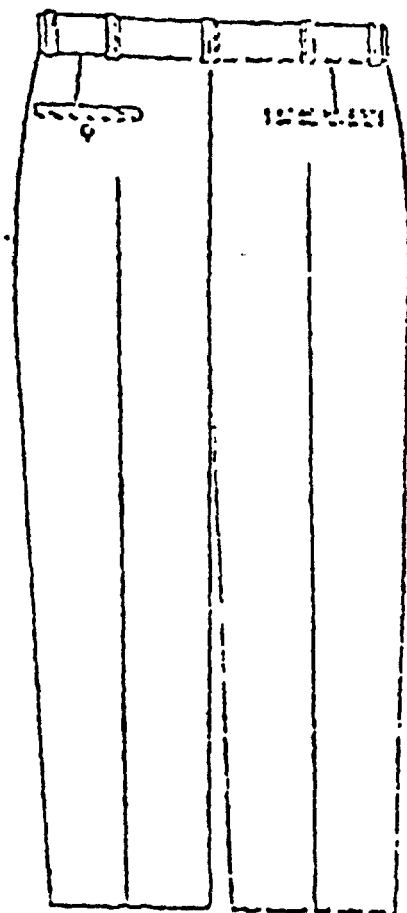
Preparing Activity:
DLA-CT

Project No. 8405-0208

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FRONT



BACK

FIGURE 1

TROUSERS, MEN'S, UNDRESS, POLYESTER/COTTON (CG)

STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

INSTRUCTIONS

1. The preparing activity must complete blocks 1, 2, 3, and 8. In block 1, both the document number and revision letter should be given.
2. The submitter of this form must complete blocks 4, 5, 6, and 7.
3. The preparing activity must provide a reply within 30 days from receipt of the form.

NOTE: This form may not be used to request copies of documents, nor to request waivers, or clarification of requirements on current contracts. Comments submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or to amend contractual requirements.

1. RECOMMEND A CHANGE:		1. DOCUMENT NUMBER A-A- 55086	2. DOCUMENT DATE (YYMMDD) 921026
3. DOCUMENT TITLE TROUSERS, MEN'S, UNDRRESS, POLYESTER/COTTON (CG)			
4. NATURE OF CHANGE (Identify paragraph number and include proposed rewrite, if possible. Attach extra sheets as needed.)			
5. REASON FOR RECOMMENDATION			
6. SUBMITTER			
a. NAME (Last, First, Middle Initial)		b. ORGANIZATION	
c. ADDRESS (Include Zip Code)		d. TELEPHONE (Include Area Code) (1) Commercial (2) AUTOVON (if applicable)	e. DATE SUBMITTED (YYMMDD)
8. PREPARING ACTIVITY			
a. NAME Defense Personnel Support Center ATTN: DPSC-FSSD (12-3-D)		b. TELEPHONE (Include Area Code) (1) Commercial 215-737-8105	(2) AUTOVON 444-8105
c. ADDRESS (Include Zip Code) 2800 South 20th Street P. O. Box 8419 Philadelphia, PA 19101-8419		IF YOU DO NOT RECEIVE A REPLY WITHIN 45 DAYS, CONTACT: Defense Quality and Standardization Office 5203 Leesburg Pike, Suite 1403, Falls Church, VA 22041-3456 Telephone (703) 756-2340 AUTOVON 269-2340	