

MIL-J-83386 (USAF)  
1 September 1972

MILITARY SPECIFICATION  
JACKET, MAN'S, LIGHTWEIGHT

1. SCOPE

1.1 Scope. This specification covers one type of blue, polyester-cotton, lightweight jacket.

1.2 Size. The jacket shall be furnished in one of the following sizes as specified (see 6.2).

<u>Extra Short</u>	<u>Short</u>	<u>Regular</u>	<u>Long</u>	<u>Extra Long</u>
33	33	33	33	33
34	34	34	34	34
35	35	35	35	35
36	36	36	36	36
37	37	37	37	37
38	38	38	38	38
39	39	39	39	39
40	40	40	40	40
41	41	41	41	41
42	42	42	42	42
43	43	43	43	43
	44	44	44	44
	45	45	45	45
	46	46	46	46
	48	48	48	48
	50	50	50	50

2. APPLICABLE DOCUMENTS

2.1 The following documents, of the issue in effect on date of invitation for bids or request for proposal, form a part of this specification to the extent specified herein.

SPECIFICATIONS

Federal

V-B-871	Button, Sewing Hole, and Button, Staple, (Plastic)
V-F-106	Fasteners, Slide, Interlocking
V-T-276	Thread, Cotton
V-T-280	Thread, Cotton Gimp, Buttonhole
DDD-L-20	Lapel; for Clothing, Equipage, and Tentage, (General Use)

FSC 8405

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PPP-B-636 Boxes, Shipping, Fiberboard  
PPP-T-45 Tape, Gunned, Paper, Reinforced and Plain, for Sealing  
and Securing

Military

MIL-C-297 Cloth, Interlining, Cotton Warp, and Spun Hair-Wool Filling  
MIL-T-3530 Thread and Twine; Mildew Resistant or Water Repellent  
Treated

STANDARDS

Federal

FED-STD-191 Textile Test Methods  
FED-STD-751 Stitches, Seams, and Stitchings

Military

MIL-STD-105 Sampling Procedures and Tables for Inspection by Attributes  
MIL-STD-129 Marking for Shipment and Storage

(Copies of specifications, standards, drawings, and publications required by suppliers in connection with specific procurement functions should be obtained from the procuring activity or as directed by the contracting officer.)

2.2 Other publications. The following documents form a part of this specification to the extent specified herein. Unless otherwise indicated, the issue in effect on date of invitation for bids or request for proposal shall apply.

Department of Defense (DOD) Standard Shades for Buttons 1966

DOD Standard Color Card of Official Standardized Shades for Sewing Threads 1968

(Copies may be obtained from The Color Association of the United States, Inc., 200 Madison Avenue, New York, New York 10016.)

3. REQUIREMENTS

3.1 Materials

3.1.1 Basic fabric. The basic fabric shall be a polyester-cotton cloth with a durable water repellent finish. The basic fabric shall conform to the requirements of table I.

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TABLE I. Basic Fabric

Characteristics	Requirements <u>1/</u>
Fiber content of untreated cloth Polyethylene glycol terephthalate Cotton	65 (plus or minus 3) percent <u>2/</u> 32 percent (minimum) <u>2/</u>
Nonfibrous content of untreated cloth	2 percent (maximum) starch and protein content, including chloroform-soluble and water-soluble materials
Yarn ply	2 ply warp and filling yarns
Weave	plain
Color	match USAF color shade No. 1157 (see 3.1.1.1 and 6.3)
Sulfur content	labile sulfur in cloth not to exceed labile sulfur in standard sample (see 6.3)
Colorfastness	
Light	good
Crocking	good
Perspiration	good
Laundering	good
Wet dry cleaning	good
Weight	5.6 (minimum) and 6.2 (maximum) ounces per square yard
Number of yarns	
Warp	120 yarns per inch (minimum)
Filling	60 yarns per inch (minimum)
Breaking strength	
Warp	170 pounds (minimum)
Filling	90 pounds (minimum)
Tearing strength	
Warp	7 pounds (minimum)
Filling	4 pounds (minimum)
Seam efficiency	80 percent

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TABLE I. Basic Fabric (Cont)

Characteristics	Requirements <sup>1/</sup>
Dimensional stability	
Shrinkage or elongation of warp	2 percent (maximum)
Shrinkage or elongation of filling	1 percent (maximum)
Water extract (pH value)	5.5 minimum 8.5 maximum
Water resistance under hydrostatic pressure	
Initial	38 centimeters (minimum)
After 3 launderings	35 centimeters (minimum)
After 1 dry cleaning	35 centimeters (minimum)
Water resistance under dynamic conditions	
Initial	15 percent (maximum)
After 3 launderings	15 percent (maximum)
Spray rating of water resistance	
Initial (3 determinations)	100,, 100, and 90 (minimum)
After 1 dry cleaning (3 determinations)	80, 80, and 70 (minimum)

<sup>1/</sup> Except for the requirements for the fiber content and the nonfibrous content, the requirements of this table shall apply to the finished cloth after the application of the water-resistant treatment.

<sup>2/</sup> The requirements for the fiber content shall be based on the dry desized weight of the untreated cloth.

3.1.1.1 Color. The cloth shall be dyed to match the standard sample of USAF color shade No. 1157 (see 6.3) under natural (north sky) daylight or artificial daylight having a color temperature of 7500 degrees Kelvin and to be a good approximation to the standard sample under incandescent lamplight at 2800 degrees Kelvin. The dye used shall not be a sulfur dye nor a dye containing elementary sulfur or sulfur compounds capable of oxidation to sulfuric acid.

3.1.2 Lining. Unless otherwise specified herein, the material for the bias-cut binding for the edge of the armholes and the back edge of the facing, for lining the sleeves, and for the back yoke shall be nylon taffeta cloth. As an option, the basic fabric specified in 3.1.1 may be used for the back yoke. The nylon taffeta cloth shall be USAF color shade No. 3356 (see 6.3). The finished nylon taffeta cloth shall be clean and woven evenly. The warp and the filling yarns of the nylon taffeta cloth shall be first quality; 70 denier; bright, semibright, or semidull; continuous filament yarns with 34 filaments and with sufficient twist to meet the requirements of this specification. The fibers

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shall be nylon 66 (polyexamethylene adipamide), having a minimum melting point above 450 degrees Fahrenheit. The nylon taffeta cloth shall conform to the additional requirements specified in table II.

TABLE II. Nylon Cloth

Characteristic	Requirement
Weave	plain
Weight	1.9 (+0.15) ounces per square yard
Texture	
Warp	108 per inch, minimum
Filling	71 per inch, minimum
Breaking strength	
Warp	125 pounds per inch, minimum
Filling	85 pounds per inch, minimum
Tear strength	
Warp	5 pounds, minimum
Filling	3.5 pounds, minimum
Shrinkage	2 percent, warp and filling
Colorfastness	
Laundering	good
Perspiration	good
Crocking	good
Nonfibrous content	2 percent (maximum) starch and protein content, including chloroform soluble and water-soluble materials

3.1.3 Slide fastener. The slide fastener for the front closure shall conform to type IV, style 8, size LM of V-F-106. The chain shall be brass or zinc alloy with a short tab pull. The tape shall be cotton or cotton warp and nylon filling, shall be 5/8 to 3/4 inch wide, and shall be vat dyed to approximate the shade of the basic fabric. If a brass chain is supplied, the metal components shall have a black chemical finish. All metal components shall be from the same supplier.

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3.1.4 Buttons. The buttons for the collar closure, the cuff closure, the shoulder loops, and the adjustment tabs shall conform to type II, class D, style 20 or 21, size 24 line of V-B-871. The stay button shall conform to type II, class D, style 15, size 18 line of V-B-871. The buttons shall have a glossy finish and shall be DOD Button Shade Blue BU Cable No. 62002 (see DOD Standard Shades for Buttons 1966).

3.1.5 Thread. The thread for seaming, stitching, buttonhole making, and bartacks shall conform to type IA3, ticket No. 50, 3 ply of V-T-276 and to type IA3, ticket No. 60, 3 ply of V-T-276. The thread for sewing on buttons shall conform to type IA3, ticket No. 20, 4 ply of V-T-276. The thread shall have a water repellent finish conforming to type II, class 1 of MIL-T-3530. All colored thread shall be vat dyed to match the color of the material upon which it is sewn and shall have good colorfastness to laundering and weathering.

3.1.6 Gimp. The gimp for reinforcing the buttonholes shall conform to type I or II, size No. 8 of V-T-280 and shall be DOD Thread Shade Blue AB, Cable No 66044 (see DOD Standard Color Card of Official Standardized Shades for Sewing Thread 1968). The dyed gimp shall have colorfastness to laundering and wet dry cleaning equal to or better than the standard sample. If a standard sample is not available, the dyed gimp shall have good colorfastness to laundering and wet dry cleaning.

3.1.7 Interlining. The interlining for the pocket welt shall conform to type II, class 2 of MIL-C-297. The interlining for the collar, the collar stand, the shoulder loops, and the cuffs shall be the basic fabric specified in 3.1.1.

3.2 Design. The jacket shall be single breasted with a covered slide fastener front closure, a collar and a stand with a throat tab that buttons, two inverted slash pockets, one inside patch pocket, set-in sleeves with cuffs that button, a loop with a button and buttonhole on each shoulder, and an adjustment tab and a button on each side (rear) of the the jacket.

3.3 Construction. The jacket shall be constructed in accordance with table III; however, the manufacturer will not be required to follow the exact sequence of operations as listed therein. The thread and the fabric shall not be lubricated by any means prior to or during the seaming.

3.3.1 Stitches, seams, and stitchings. The stitch, seam, and stitching types specified herein shall conform to FED-STD-751. If two or more methods or seam or stitch types are given for the same part of an operation, any one of them may be used. Where stitch type 401 is used, the looper (under thread) shall be on the inside of the jacket.

3.3.1.1 Tack and backstitching. The ends of all seams and stitchings not caught by other seams and stitchings shall be backtacked not less than 1/2 inch. Thread breaks of stitch type 301 shall be secured by stitching back of the break not less than 1/2 inch. Thread breaks or skipped stitches in stitch type 401 shall be backstitched not less than 1 inch with the stitching superimposed and anchoring the ends of the break.

TABLE III. Sewing Operations

No.	Description of Operation	Stitch Type	Seam and Stitching Type	Stitches Per Inch
1	<p><u>Cut and shade mark</u></p> <p>(a) Cut the jacket in accordance with the patterns which have markings for placement of pockets, darts, buttons, and buttonholes; sizes; warp directional lines; and notches for proper assembly of all parts.</p> <p>(b) Replace at the time of cutting any part containing holes or seriously weakening defects such as smashes, multiple floats, slubs, snags, or pulls.</p> <p>(c) Replace any part damaged during the manufacturing process by needle chews, tears, holes, mends, burns, or scissor or knife cuts.</p> <p>(d) Mark or ticket all parts to insure a uniform shade throughout the jacket and the proper assembling of all parts. If shade marking is used, the marking shall not show through and be visible on the outside of the jacket.</p>			
2	<p><u>Make cuffs</u></p> <p>(a) Position the cuff interlining to each cuff. Stitch the interlining to the cuff.</p> <p>(b) Fold each cuff in half and seam the pointed and the square ends with a 1/4-inch seam.</p> <p>(c) Trim the corners, turn, work out the point and the edges, and single stitch 1/4 inch from the edge.</p>	301	SSa-1	12-14
		301	SSE-2(a)	12-14
		301	SSE-2(b)	12-14

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TABLE III. Sewing Operations (Cont)

No.	Description of Operation	Stitch Type	Seam and Stitching Type	Stitches Per Inch
3	<p><u>Make shoulder loops</u></p> <p>(a) Join the under ply and the interlining to the top of the shoulder loop around the side edges and the pointed end with a 1/4-inch seam.</p> <p>(b) Trim, turn, force out the edges and the pointed end, and single stitch 1/4 inch from the edge. The shoulder loop shall be 2-1/4 inches wide at the armhole and 1-3/4 inches wide at the neck.</p>	301	SSe-2(a)	12-14
4	<p><u>Make adjustment tabs</u></p> <p>(a) Join the under ply to the top ply of the adjustment tab around the side edges and the pointed end with a 1/4-inch seam.</p> <p>(b) Trim, turn, force out the edges, and single stitch 1/4 inch from the edge.</p>	301	SSe-2(a)	12-14
5	<p><u>Make sleeves</u></p> <p>(a) Join the forearm seam of the sleeve with a 1/2-inch seam.</p> <p>(b) Join the backarm seam of the sleeve with a 1/2-inch seam.</p> <p>(c) Press the forearm seams and the backarm seams open.</p>	301	SSa-1	12-14
		301	SSa-1	12-14
		301	SSa-1	12-14



TABLE III. Sewing Operations (Cont)

No.	Description of Operation	Stitch Type	Seam and Stitching Type	Stitches Per Inch
6	<p><u>Make sleeve linings</u></p> <p>(a) Join the forearm seam of the sleeve lining with a 1/2-inch seam.</p> <p>(b) Join the backarm of the sleeve lining with a 1/2-inch seam.</p>	301	SSa-1	12-14
7	<p><u>Join cuffs to sleeves</u></p> <p>(a) Insert the cuff between the sleeve and the lining at the notches, and stitch completely around the lower edge of the sleeve with a 1/2-inch seam.</p> <p>(b) Fold the lining and the sleeve up with the cuff extended down, and single raise stitch 1/4 inch from the folded edge.</p> <p>(c) Join the lining to the basic fabric around the sleeve (armhole) 1/8 inch from the raw edge.</p>	301	SSax-2(a) SSax-2(b)	12-14 12-14
8	<p><u>Attach label</u></p> <p>(a) Sew the label on all four sides to the patch pocket centered 1 inch from the finished top.</p>	301	SSa-1	6-8
9	<p><u>Make and attach patch pocket</u></p> <p>(a) Fold the top of the patch pocket at the notches with the raw edge turned under, and stitch with a single stitch 1/16 inch from the edge.</p>	301	SSa-1 EFb-1	12-14 12-14

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TABLE III. Sewing Operations (Cont)

No.	Description of Operation	Stitch Type	Seam and Stitching Type	Stitches Per Inch
10	<p>(b) Turn in the raw edges at the sides and the bottom of the pocket 1/2 inch, and stitch 1/16 inch from the turned edge to the right front facing as indicated by the marks on the patterns. Both corners shall be box stitched.</p> <p><u>Hem back edge of facing</u></p>	301	Lsd-1	12-14
11	<p>(a) Turn back the edge of the facing 1/2 inch, and blind-stitch from the top to the bottom, catching the back side edge of the patch pocket. (The back edge of the facing may be finished with a bias binding.)</p> <p><u>Make slash pockets.</u> Make a double-welt inverted slash pocket in each front at the pattern marks. The top welt shall be 7/8 inch (plus or minus 1/8 inch) wide. The inside welt shall be 1/2 inch (plus or minus 1/8 inch) wide. The depth at the center of each pocket shall be not less than 8-1/2 inches. The opening of each pocket shall be not less than 6-1/2 inches.</p>	301	EF1-1	12-14
	<p>(a) Fold in half and press the top welt. Place the interlining even with the folded edge and single stitch 1/8 inch from the folded edge.</p>	301	LSbj-1	12-14
	<p>(b) Fold and sew the welt and the facing piece to the pocketing with a single row of stitching 1/16 inch from the edge. If the facing and the welt pieces are cut with the selvage edge, the selvage edge need not be folded (turned over).</p>	301	LSq-1 and Lsd-1	12-14

TABLE III. Sewing Operations (Cont)

No.	Description of Operation	Stitch Type	Seam and Stitching Type	Stitches Per Inch
	<p>(c) Sew the pocketing with the inside welt on the front side of the outer shell and the top welt on the side fronts at the drill marks with a single row of stitching at each end of the pocketing and top welt.</p> <p>(d) Cut the opening for the pocket. Tongue notch the corners.</p> <p>(e) Turn the pocketing through the slits, doubled over at the front edge for reinforcement to form a 1/2-inch (plus or minus 1/8-inch) inside welt.</p> <p>(f) Raise stitch the bottom of inside welt through the front and the pocketing with a single row of stitching 1/16 inch from the edge.</p> <p>(g) Fold the top welt over the inside welt.</p> <p>(h) Sew the tongues at the corners to the welts and the facing on the inside with a single row of stitching.</p> <p>(i) Place the facing under the opening.</p> <p>(j) Raise stitch the seam joining the facing to the top welt and the end of the opening through the pocket with a single row of stitching 1/16 inch from the edge.</p> <p>(k) Stitch around the pocketing with a single row of stitching 1/2 inch from the edge.</p> <p>(l) Secure the corners of each end of the pockets at the base of the tongue at the underside with a 1/2-inch to 5/8-inch bartack.</p>	301	LSq-2(a)	12-14
		301	LSq-2(b)	12-14
		301	SSa-1	12-14
		301	LSq-2(b)	12-14
		301	SSa-1	12-14
		bartack		28 stitches per bartack

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TABLE III. Sewing Operations (Cont)

No.	Description of Operation	Stitch Type	Seam and Stitching Type	Stitches Per Inch
12	<p><u>Attach slide fastener (see figure 1)</u></p> <p>(a) Position the slide fastener between the right and the left front edges of the outer shell and the facing; stitch through all plies. Turn and roll the front edge of the outer shell out so that the chain is covered and stitch 5/16 to 3/8 inch and 1/16 to 1/8 inch from the folded edges of the outer shell and the facing, respectively. The slide fastener chain shall finish 5/8 inch (plus or minus 1/8 inch) below the raw edge of the neckline and 1 inch (plus or minus 1/8 inch) above the finished bottom.</p>			
13	<p><u>Hem back yoke</u></p> <p>(a) Hem the bottom edge of the back yoke with the raw edges turn in. The finished hem of the back yoke shall be 3/8 inch wide.</p> <p>(b) Fold the pleat in the center back of the back yoke as indicated by the pattern notches and press.</p>	301	EFb-1	12-14
14	<p><u>Join shoulder seams</u></p> <p>(a) Position the back yoke and the back, inserting the front and the facing, and stitch 1/2 inch from the edge.</p>	301	SSa-1	12-14
15	<p><u>Join side seams</u></p> <p>(a) Fold the additional seam allowance on the back over the front edge and stitch 1/16 to 1/8 inch from the back edge.</p>	301	SSw-2(a)	12-14

TABLE III. Sewing Operations (Cont)

No.	Description of Operation	Stitch Type	Seam and Stitching Type	Stitches Per Inch
		301	SSw-2(b)	12-14
	(b) Turn back the front over the folded back, and single stitch 1/4 inch from the folded edge. The back edge of the front facing and the adjustment tabs shall be caught in the seam. The bottom edge of the adjustment tabs shall be placed 1 inch from the finished bottom edge.	301 or 401	LSc-2	12-14
	(c) As an option to No. 15(a) and 15(b), join the side seams with the fronts lapping on the back with double-lapped, double-stitched seams 3/16-inch to 1/4-inch gage. The bottom edge of the adjustment tab shall be placed 1 inch from the finished bottom edge, and the pointed end of the tab shall face the back.			
16	<u>Make hanger</u> (a) Double stitch the hanger either with a cover stitch on the underside or with the edges folded under.	401 or 301	EFh-1 EFp-1	12-14 12-14
17	<u>Make collar</u> (a) Quilt the collar interlining to the undercollar with a series of diagonal stitching. The points of the diagonal stitching shall be approximately 2 inches apart. (b) Join the undercollar and the interlining to the top-collar around the top and the side edges with a 1/4-inch seam. (c) Trim, turn, force out the edges, and single stitch 1/4 inch from the edge.	301 or 401	SSv-1	12-14
		301 or 401	SSE-2(a)	12-14
		301	SSE-2(b)	12-14
18	<u>Make collar stand and attach collar</u> (a) Quilt the collar stand interlining to the undercollar stand with five rows of horizontal stitching approximately 1/4 inch apart. The stitching shall not be through the undercollar stand extension.	301	SSv-1	12-14

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TABLE III. Sewing Operations (Cont)

No.	Description of Operation	Stitch Type	Seam and Stitching Type	Stitches Per Inch
	(b) Place the collar between the topcollar stand and the undercollar stand (with the attached interlining) as indicated by the notches on the patterns, and stitch from end to end along the top edge of the collar stand around the stand extension.	301	SSq-2	12-14
	(c) Turn the topcollar stand and the undercollar stand to the finished position, and raise stitch 1/16 inch to 1/8 inch from the turned edge with the stitching continued around the ends of the collar stand.	301	SSq-2	12-14
	(d) Stitch the undercollar stand to the neck seam of the jacket with a 3/8-inch seam. Fold the lower edge of the topcollar stand 3/8 inch and stitch through all plies 1/16 inch from the folded edge.	301 301	SSa-1 LSb-1	12-14 12-14
	(e) Turn under each end of the hanger; center it to the collar stand, and backstitch or bartack the folded ends. The finished hanger shall be 3/8 inch (plus or minus 1/8 inch) wide, with a free opening 2-1/2 inches (plus or minus 1/4 inch) long between the tack at the ends.	301 or bartack	LSd-1	12 28 stitches per bartack
19	<u>Set sleeves</u>			
	(a) Join the sleeves with the linings to the jacket with a 1/2-inch seam, catching the back yoke and the shoulder loop. The loops shall be centered on the shoulder seams in accordance with the notches on the patterns and stitched to the armhole with a 1/4-inch seam.	301	SSa-1	12-14

TABLE III. Sewing Operations (Cont)

No.	Description of Operation	Stitch Type	Seam and Stitching Type	Stitches Per Inch
20	<p>(b) Bind the edge of the armholes with a 3/4-inch to 7/8-inch bias-cut binding.</p> <p><u>Hem bottom of jacket</u></p> <p>(a) Turn up the bottom of the jacket with the raw edges turned in. Stitch 1/16 inch from the folded edge, catching the lower edge of the slash pocket in the bottom hem. The bottom hem at the front shall be mitered so that it will not interfere with the slide fastener. The width of the finished bottom hem shall be not less than 3/4 inch or more than 7/8 inch.</p>	301	BSc-1	12-14
21	<p><u>Buttonholes</u></p> <p>(a) Mark and make one horizontal buttonhole, to fit a 24-line button, in the collar stand extension as indicated by the pattern marks. The front end of the finished buttonhole shall be 1/4 to 3/8 inch from the front end of the collar stand extension.</p> <p>(b) Mark and make one horizontal buttonhole, to fit a 24-line button, centered in each cuff. The front end of the finished buttonhole shall be 3/4 inch from the pointed end of the cuff.</p> <p>(c) Mark and make one horizontal buttonhole, to fit a 24-line button, centered in each adjustment tab. The front end of the finished buttonhole shall be 3/4 inch from the pointed end of the adjustment tab.</p>	button-hole	EFb-1	12-14
		button-hole		52-54 stitches per button-hole
		button-hole		52-54 stitches per buttonhole
		button-hole		52-54 stitches per buttonhole

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TABLE III. Sewing Operations (Cont)

No.	Description of Operation	Stitch Type	Seam and Stitching Type	Stitches Per Inch
22	<p><u>Buttons</u></p> <p>(d) Mark and make one buttonhole in each shoulder loop at the triangular end 1/2 inch from the end of the point to accommodate a 24-line button.</p> <p>(a) Sew one button on the right side of the undercollar stand to correspond with the buttonhole on the collar stand extension. Sew one button on the left side of the undercollar stand to secure the throat tab when not in use. The buttons shall be sewn to the undercollar stand and the interlining only.</p> <p>(b) Sew two buttons on the square end of each cuff to correspond with the buttonholes in the cuffs. The first button shall be located 1 inch from the square end of the cuff. The center of the second button shall be located 1 inch from the center of the first button.</p>	<p>button-hole</p> <p>301 or</p> <p>101 or</p> <p>hand</p> <p>301 or</p> <p>101 or</p> <p>hand</p>		<p>52-54 stitches per buttonhole</p> <p>14-16 stitches per button</p> <p>20-22 stitches per button</p> <p>4-6 stitches per button</p> <p>14-16 stitches per button</p> <p>20-22 stitches per button</p> <p>4-6 stitches per button</p>



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TABLE III. Sewing Operations (Cont)

No.	Description of Operation	Stitch Type	Seam and Stitching Type	Stitches Per Inch
	(c) Sew two buttons on each side of the jacket. The first button shall correspond with the buttonholes in the adjustment tab. The center of the second button shall be 1 inch from the center of the first button and shall be secured with an 18-line stay button.	301 or 101 or hand		14-16 stitches per button 20-22 stitches per button 4-6 stitches per button
	(d) Sew one button on each shoulder to correspond with the buttonholes on the shoulder loops. The inside edge of each button shall be placed not less than 1/8 inch nor more than 3/8 inch from the edge of the collar leaf.	301 or 101 or hand		14-16 stitches per button 20-22 stitches per button 4-6 stitches per button
23	<u>Clean jacket</u>  (a) The jacket shall be cleaned of all spots and stains and pressed smooth. Care shall be taken to remove gloss marks and creases.			

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3.4 Patterns. When specified (see 6.2), standard patterns will be furnished, by the Government, to the manufacturer for use in cutting the working patterns. The working patterns shall be identical to the Government patterns. Neither the Government patterns nor the working patterns shall be altered in any way. The parts of the jacket shall be cut, from the specified materials, in accordance with the pattern parts specified in table IV.

TABLE IV. Pattern Parts

Materials	Pattern Parts	Parts Cut
Basic fabric (see 3.1.1)	front	2
	back	1
	topsleeve	2
	undersleeve	2
	shoulder loop	4
	shoulder loop interlining	2
	adjustment tab	4
	slash pocket	4
	pocket welt	2
	patch pocket	1
	pocket facing	1
	collar	2
	collar interlining	1
	collar stand	2
	collar stand interlining	1
	cuff	2
	cuff interlining	2
back yoke <u>1/</u>	1	
pocket interlining	1	
Lining (see 3.1.2)	topsleeve	2
	undersleeve	2
	back yoke <u>1/</u>	1

1/ The back yoke may be cut from either the basic fabric specified in 3.1.1 or the lining specified in 3.1.2.

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3.5 Identification of product. Each jacket shall have an identification label conforming to type I, class 1 of DDD-L-20. The label shall be not less than 2-1/2 inches by 1-1/2 inches. The jacket is intended to be laundered. The following information shall be printed on the label.

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 Jacket, Man's, Lightweight  
 Manufacturer's Name or Trademark 1/  
 Size 1/

1/ The manufacturer shall insert the applicable information.

3.6 Finished measurements. The finished measurements of the jacket shall conform to table V.

3.7 Workmanship. The jacket shall be constructed in a thoroughly workmanlike manner.

#### 4. QUALITY ASSURANCE PROVISIONS

4.1 Responsibility for inspection. Unless otherwise specified in the contract or purchase order, the supplier is responsible for the performance of all inspection requirements as specified herein. Except as otherwise specified in the contract or order, the supplier may use his own or any other facilities suitable for the performance of the inspection requirements specified herein, unless disapproved by the Government. The Government reserves the right to perform any of the inspections set forth in the specification where such inspections are deemed necessary to assure supplies and services conform to prescribed requirements.

#### 4.2 Inspection

4.2.1 Materials and components. Unless otherwise specified (see 6.2), the materials and the components of the jacket shall be examined and tested in accordance with all of the applicable subsidiary documents referenced herein to the extent applicable and in accordance with table VI. The sample unit for the examinations and tests of the lining material specified in table VI shall be 3-1/2 yards full width of the nylon taffeta cloth. The sample unit for the examinations and tests of the basic fabric specified in table VI, except for the fiber content and the nonfibrous content, shall be 5 continuous yards full width of the basic fabric after it has been treated for water resistance. The sample unit for the examinations and tests of the basic fabric for fiber content and nonfibrous content specified in table VI shall be 1/2 yard full width of the basic fabric before it has been treated for water resistance. The sample size for the examinations and tests specified in table VI shall be as specified in table VII. If one or more sample units fail to meet any specified requirement, the lot shall be rejected. A certificate of compliance will be accepted for the requirement that all metal components of the slide fastener shall be furnished from one supplier (see 3.1.3).

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TABLE V. Finished Measurements

Size	Measurements in Inches $\frac{1}{2}$ / $\frac{2}{4}$					
	1/2 Chest	1/2 Bottom	Back Length	Sleeve Length	Collar Length	Cuff Length
<b>Extra short</b>						
33	20	17-3/4	23-1/2	17-1/4	14-1/4	10-1/2
34	20-1/2	18-1/4	23-1/2	17-1/4	14-1/2	10-3/4
35	21	18-3/4	23-1/2	17-1/4	14-3/4	10-3/4
36	21-1/2	19-1/4	23-1/2	17-1/4	15	11
37	22	19-3/4	23-1/2	17-1/4	15-1/4	11
38	22-1/2	20-1/4	23-1/2	17-1/4	15-1/2	11-1/4
39	23	20-3/4	23-1/2	17-1/4	15-3/4	11-1/4
40	23-1/2	21-1/4	23-1/2	17-1/4	16	11-1/2
41	24	21-3/4	23-1/2	17-1/4	16-1/4	11-1/2
42	24-1/2	22-1/4	23-1/2	17-1/4	16-1/2	11-3/4
43	25	22-3/4	23-1/2	17-1/4	16-3/4	11-3/4
<b>Short</b>						
33	20	17-3/4	24	17-3/4	14-1/4	10-1/2
34	20-1/2	18-1/4	24	17-3/4	14-1/2	10-3/4
35	21	18-3/4	24	17-3/4	14-3/4	10-3/4
36	21-1/2	19-1/4	24	17-3/4	15	11
37	22	19-3/4	24	17-3/4	15-1/4	11
38	22-1/2	20-1/4	24	17-3/4	15-1/2	11-1/4
39	23	20-3/4	24	17-3/4	15-3/4	11-1/4
40	23-1/2	21-1/4	24	17-3/4	16	11-1/2
41	24	21-3/4	24	17-3/4	16-1/4	11-1/2
42	24-1/2	22-1/4	24	17-3/4	16-1/2	11-3/4
43	25	22-3/4	24	17-3/4	16-3/4	11-3/4
44	25-1/2	23-1/4	24	17-3/4	17	12
45	26	23-3/4	24	17-3/4	17-1/4	12
46	26-1/2	24-1/4	24	17-3/4	17-1/2	12-1/4
48	27-1/2	25-1/4	24	17-3/4	18	12-1/2
50	28-1/2	26-1/4	24	17-3/4	18-1/2	12-3/4

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TABLE V. Finished Measurements (Cont)

Size	Measurements in Inches <sup>1/</sup> <sup>2/</sup>					
	1/2 Chest	1/2 Bottom	Back Length	Sleeve Length	Collar Length	Cuff Length
<u>Regular</u>						
33	20	17-3/4	24-1/2	18-1/4	14-1/4	10-1/2
34	20-1/2	18-1/4	24-1/2	18-1/4	14-1/2	10-3/4
35	21	18-3/4	24-1/2	18-1/4	14-3/4	10-3/4
36	21-1/2	19-1/4	24-1/2	18-1/4	15	11
37	22	19-3/4	24-1/2	18-1/4	15-1/4	11
38	22-1/2	20-1/4	24-1/2	18-1/4	15-1/2	11-1/4
39	23	20-3/4	24-1/2	18-1/4	15-3/4	11-1/4
40	23-1/2	21-1/4	24-1/2	18-1/4	16	11-1/2
41	24	21-3/4	24-1/2	18-1/4	16-1/4	11-1/2
42	24-1/2	22-1/4	24-1/2	18-1/4	16-1/2	11-3/4
43	25	22-3/4	24-1/2	18-1/4	16-3/4	11-3/4
44	25-1/2	23-1/4	24-1/2	18-1/4	17	12
45	26	23-3/4	24-1/2	18-1/4	17-1/4	12
46	26-1/2	24-1/4	24-1/2	18-1/4	17-1/2	12-1/4
48	27-1/2	25-1/4	24-1/2	18-1/4	18	12-1/2
50	28-1/2	26-1/4	24-1/2	18-1/4	18-1/2	12-3/4
<u>Long</u>						
33	20	17-3/4	25-1/2	19-1/2	14-1/4	10-1/2
34	20-1/2	18-1/4	25-1/2	19-1/2	14-1/2	10-3/4
35	21	18-3/4	25-1/2	19-1/2	14-3/4	10-3/4
36	21-1/2	19-1/4	25-1/2	19-1/2	15	11
37	22	19-3/4	25-1/2	19-1/2	15-1/4	11
38	22-1/2	20-1/4	25-1/2	19-1/2	15-1/2	11-1/4
39	23	20-3/4	25-1/2	19-1/2	15-3/4	11-1/4
40	23-1/2	21-1/4	25-1/2	19-1/2	16	11-1/2
41	24	21-3/4	25-1/2	19-1/2	16-1/4	11-1/2
42	24-1/2	22-1/4	25-1/2	19-1/2	16-1/2	11-3/4
43	25	22-3/4	25-1/2	19-1/2	16-3/4	11-3/4
44	25-1/2	23-1/4	25-1/2	19-1/2	17	12
45	26	23-3/4	25-1/2	19-1/2	17-1/4	12
46	26-1/2	24-1/4	25-1/2	19-1/2	17-1/2	12-1/4
48	27-1/2	25-1/4	25-1/2	19-1/2	18	12-1/2
50	28-1/2	26-1/4	25-1/2	19-1/2	18-1/2	12-3/4

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TABLE V. Finished Measurements (Cont)

Size	Measurements in Inches <u>1/</u> <u>2/</u>					
	1/2 Chest	1/2 Bottom	Back Length	Sleeve Length	Collar Length	Cuff Length
<u>Extra long</u>						
33	20	17-3/4	26-1/2	20-3/4	14-1/4	10-1/2
34	20-1/2	18-1/4	26-1/2	20-3/4	14-1/2	10-3/4
35	21	18-3/4	26-1/2	20-3/4	14-3/4	10-3/4
36	21-1/2	19-1/4	26-1/2	20-3/4	15	11
37	22	19-3/4	26-1/2	20-3/4	15-1/4	11
38	22-1/2	20-1/4	26-1/2	20-3/4	15-1/2	11-1/4
39	23	20-3/4	26-1/2	20-3/4	15-3/4	11-1/4
40	23-1/2	21-1/4	26-1/2	20-3/4	16	11-1/2
41	24	21-3/4	26-1/2	20-3/4	16-1/4	11-1/2
42	24-1/2	22-1/4	26-1/2	20-3/4	16-1/2	11-3/4
43	25	22-3/4	26-1/2	20-3/4	16-3/4	11-3/4
44	25-1/2	23-1/4	26-1/2	20-3/4	17	12
45	26	23-3/4	26-1/2	20-3/4	17-1/4	12
46	26-1/2	24-1/4	26-1/2	20-3/4	17-1/2	12-1/4

1/ The tolerance on the measurements of the 1/2 chest, the 1/2 bottom, the back length, and the sleeve length shall be plus or minus 1/2 inch. The tolerance on the measurement of the collar length shall be plus 1/4 inch or minus 1/8 inch. The tolerance on the measurement of the cuff length shall be plus or minus 1/4 inch.

2/ The finished measurements shall be taken as follows: Measure the 1/2 chest, with the slide fastener closed, from folded edge to folded edge at the base of the armhole. Measure the 1/2 bottom, with the slide fastener closed, from folded edge to folded edge 1 inch above the bottom edge. Measure the back length, at the center back, from the base of the undercollar seam to the edge of the bottom. Measure the sleeve length, along the underarm seam, from the armhole seam to the bottom edge of the cuff. Measure the collar length, with the collar in the flat position, at the base of the collar leaf seam joining the collar stand from finished edge to finished edge. Measure the cuff length from the finished edge of the point to the other finished end.

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TABLE VI. Testing of Materials and Components

Characteristic	Test Method of FED-STD-191
<u>Basic fabric (see 3.1.1 and table I)</u>	
Polyester fiber identification	see 4.3.1
Fiber content of untreated cloth	see 4.3.2
Nonfibrous content of untreated cloth	2611
Yarn ply	<u>1/</u>
Weave	<u>1/</u>
Color	<u>1/</u>
Sulfur content	2020
Colorfastness	
Light	5660
Crocking	5651
Perspiration	5680
Laundering	5610
Wet dry cleaning	5622
Weight	5041
Number of yarns	5050
Breaking strength	5100
Tearing strength	5132
Dimensional stability	5556
Water extract (pH value)	2811
Water resistance under hydrostatic pressure	
Initial	5514
After 3 launderings	5514 <u>2/</u>
After 1 dry cleaning	5508 and 5514
Water resistance under dynamic conditions	
Initial	5500
After 3 launderings	5500 <u>2/</u>
Spray rating of water resistance	
Initial	5526 <u>3/</u>
After 1 dry cleaning	5508 <u>3/</u>
Seam efficiency	5110

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TABLE VI. Testing of Materials and Components (Cont)

Characteristic	Test Method of FED-STD-191
<u>Lining (see 3.1.2 and table II)</u>	
Denier	<u>4/</u>
Filaments	<u>1/</u> <u>4/</u>
Nylon identification	1530
Melting point	1534
Color	<u>1/</u>
Weave	<u>1/</u>
Weight	5041
Yarns per inch (texture)	5050
Breaking strength	5100
Tear strength	5134
Shrinkage	5552
Colorfastness	
Laundering	<u>5/</u>
Perspiration	5680
Crocking	5651
Nonfibrous content	2611

1/ The test method shall be visual inspection. One determination on each sample unit shall be made.

2/ Prior to this test the specimens shall be subjected to three complete wash and dry cycles in accordance with 5556 (cotton laundering procedure) of FED-STD-191.

3/ Three determinations of the initial spray rating on each sample unit shall be equal to or better than 100, 100, and 90. Three determinations of the spray rating on each sample unit after one dry cleaning shall be equal to or better than 80, 80, and 70.

4/ A certificate of compliance shall be furnished for this requirement.

5/ The test method shall be 5610 (three cycles) of FED-STD-191. The specimens shall be dried after each of the three cycles of laundering. Only the stain on the nylon fibers of the color transfer cloth shall be evaluated for the color transfer cloth evaluation.



TABLE VII. Sample Unit

Lot Size	Sample Unit
800 or less	2
801 to 22,000 inclusive	3
22,001 or more	5

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4.2.2 End item. The end item shall be examined for defects as specified in 4.2.2.1 and 4.2.2.2. The sample unit for the examination shall be one shirt.

4.2.2.1 Visual examination. The end item shall be visually examined for defects. Except for the defects with an asterisk in the classification column, the defects found during this visual examination shall be classified as specified in tables VIII and IX. Defects with an asterisk in the classification column shall be classified as major defects if the defects seriously affect appearance or serviceability and as minor A defects if the defects affect appearance and serviceability but not seriously. The inspection level for this visual examination shall be II of MIL-STD-105. The acceptable quality level for this visual examination shall be 2.5 defects per 100 units (dhu) for major defects, 15.0 dhu for major and minor A (combined) defects, and 40.0 dhu for total (major and minor A and B combined) defects.

4.2.2.2 Examination of finished measurements. The end item shall be examined for conformance to the finished measurements specified herein. The inspection level for this examination of the finished measurements shall be S-3 of MIL-STD-105. The acceptable quality level for this examination of the finished measurements shall be 4.0 dhu for defects (one class). Any finished measurement deviating from the finished measurements specified herein or sleeve lengths of any jacket uneven 1/2 inch or more shall be classified as a finished measurement defect.

4.2.3 Examination of preparation for delivery. Shipping containers fully prepared for delivery shall be examined for the defects listed in table X to determine conformance to packaging, packing, and marking requirements. The sample unit shall be one shipping container fully prepared for delivery with the exception that it need not be sealed. The lot size shall be the number of containers in the inspection lot. The inspection level shall be S-2 of MIL-STD-105. The acceptable quality level shall be 2.5 dhu.

#### 4.3 Test methods

4.3.1 Polyester fiber identification. This is a visual qualitative test. The polyester fibers shall be tested in each of the following solvents: acetone (boiling), 70 percent sulfuric acid, 5 percent sodium hydroxide (boiling), and methylene chloride (boiling). Unless otherwise specified herein, each of the solvents shall be at room temperature. The quantity of each reagent shall be 100 times more than the polyester fibers tested. The fibers shall be placed in each of the solvents for 10 minutes and stirred intermittently. The polyester filament shall be insoluble in each of the solvents.

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TABLE VIII. General Defects

Defect	Major	Minor A	Minor B
<u>Material defects and workmanship damages</u> <u>1/</u>			
Any hole	*		
Any weakening defect such as smash, multiple float, or loose slub that might develop into hole	*		
Shade bar or unsightly slub on outside of jacket.	*		
Shade bar or unsightly slub on inside of jacket (except sleeve linings)		X	
Shade bar or unsightly slub on sleeve linings			X
Needle chews that might develop into hole	*		
Scissor or knife cut, tear, mend, pull, snag, or burn	*		
One or more exposed drill holes	*		
<u>Shaded parts</u>			
Any shaded parts on outside of jacket	*		
Any lining parts on inside of jacket, except sleeve linings and back yoke, badly shaded		X	
Back yoke badly shaded			X
Any sleeve lining parts badly shaded		X	
<u>Cleanness</u>			
Any spot or stain clearly noticeable on outside of jacket		X	
Any spot or stain clearly noticeable on inside of jacket			X
One or more bastings not removed			X
Thread ends not trimmed throughout major portion of jacket or two or more shade tickets not removed			X

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TABLE VIII. General Defects (Cont)

Defect	Major	Minor A	Minor B
<u>Component and assembly</u>			
Any defective component or defect of assembly (not classified herein)		*	
Any component or required operation omitted (not classified herein)		*	
Any component not cut in accordance with direction lines on patterns or specified requirements		*	
<u>Bartacks</u>			
One bartack missing, insecure, or misplaced not serving intended purpose			X
Two bartacks missing, insecure, or misplaced not serving intended purpose		X	
Three or more bartacks missing, insecure, or misplaced not serving intended purpose	X		
Any bartack not specified length			X
<u>Seams and stitchings</u>			
Seam twisted, puckered, or pleated		*	
Part of jacket caught in any unrelated operation or stitching		*	
Thread(s) used on outside of jacket not same shade or not satisfactorily matching shade of jacket		X	
Thread breaks or ends of stitching (if not caught in other seams or stitchings) not securely backtacked		X	
Looper thread of stitch type 401 exposed on outside of jacket		X	

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TABLE VIII. General Defects (Cont)

Defect	Major	Minor A	Minor B
Gage of stitching (edge, top, or raise stitching) irregular, i.e., unevenly gaged or corresponding stitchings not uniformly gaged, affecting appearance		X	
Gage of stitching (edge, top, or raise stitching) not within range of gage specified or varying more than 1/16 inch if range is not specified			X
Open seam over 1/8 inch but not over 1/4 inch <u>2/</u>			X
Open seam over 1/4 inch <u>2/</u>		X	
Stitches skipped or broken more than 1/4 inch but not more than 1/2 inch (on edge, top, or raise stitching when seam is seamed, turned, and stitched) <u>2/</u>			X
Stitches skipped or broken more than 1/2 inch (on edge, top, or raise stitching when seam is seamed, turned, and stitched) <u>2/</u>		X	
Raw edges more than 1/8 inch but not more than 1/4 inch on outside of jacket <u>3/</u>			X
Raw edges more than 1/4 inch on outside of jacket <u>3/</u>		X	
Raw edges more than 1/2 inch but not more than 1 inch on inside of jacket <u>3/</u>			X
Raw edges more than 1 inch on inside of jacket <u>3/</u>		X	
Run offs more than 1/2 inch but not more than 1 inch on edge, top, or raise stitching if not resulting in open seam (outside only) <u>4/</u>			X
Run offs more than 1 inch on edge, top, or raise stitching if not resulting in open seam (outside only) <u>4/</u>		X	
Seam or stitch not specified type		X	
Loose tension resulting in loose seam	X		

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TABLE VIII. General Defects (Cont)

Defect	Major	Minor A	Minor B
Loose tension on edge, top, or raise stitching recognized by loosely exposed loops of top or lower thread		X	
Tight tension <u>5</u> /			
Stitches per inch on major portion of jacket one or two less than specified			X
Stitches per inch on major portion of jacket three less than specified		X	
Stitches per inch on major portion of jacket four or more less than specified	X		
Stitches per inch on major portion of jacket more than specified			X
<u>Buttonholes</u>			
One or more buttonholes omitted	X		
Buttonhole too small, not permitting button to enter buttonhole	X		
Buttonhole too large, i.e., 3/8 inch or more longer than diameter of button		X	
Buttonhole stitching not securely caught in fabric, causing stitching to pull away from fabric	X		
One or more broken stitches in one buttonhole			X
One or more broken stitches in two or more buttonholes		X	
Buttonholes with ragged edges, affecting appearance			X
Buttonhole not specified type, uncut buttonhole		X	
Gimp not pulled through to underside on one or more buttonholes			X
Gimp omitted on one or more buttonholes		X	

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TABLE VIII. General Defects (Cont)

Defect	Major	Minor A	Minor B
One or two stitches per buttonhole less than specified			X
Three or four stitches per buttonhole less than specified		X	
Five or more stitches per buttonhole less than specified	X		
<u>Buttons</u>			
One or more buttons defective, missing, loose, or blistered		X	
Buttons not specified type, size, or finish		X	

1/ If the condition of the material defects or the workmanship damages is nonweakening and inconspicuous and has a negligible effect on serviceability, the material defects or the workmanship damages shall not be classified as defects. If the condition of the material defects or the workmanship damages is definitely weakening and conspicuously located, the material defects or the workmanship damages shall be classified as specified herein.

2/ A break in a line of stitching or continuous skipped or run-off stitches (except on edge, top, or raise stitching) shall be classified as an open seam.

3/ A raw edge shall be classified as such when it occurs along an edge required to be turned under but the edge is securely caught in the stitching. If the edge is not securely caught in the stitching, it shall be classified as an open seam.

4/ Run offs on joining seams, if resulting in an open seam, shall be classified as open seams.

5/ Puckering is evidence of tight tension. If puckering is evident, the seam shall be tested by exerting normal pull in the lengthwise direction of the seam or stitching. Tight tension shall be classified as an open seam.

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TABLE IX. Defects Applicable to Specific Parts

Defect	Major	Minor A	Minor B
<u>Adjustment tabs</u>			
Upper side of adjustment tab twisted affecting appearance		X	
Adjustment tab poorly shaped, affecting appearance		X	
Adjustment tab misplaced so that adjustment tab will not lie flat when buttoned, causing bulge or twist on adjustment tab		*	
Adjustment tab misplaced so that one adjustment tab is further forward or back from position of other adjustment tab, affecting appearance		X	
Buttonhole more than 1/8 inch but not more than 1/4 inch off center with width of adjustment tab			X
Buttonhole more 1/4 inch off center with width of adjustment tab		X	
Finished buttonhole with purling on reverse side	X		
<u>Bottom hem</u>			
Jacket puckered, twisted, or pleated by stitching forming bottom hem		X	
Width of finished bottom hem less than 3/4 inch or more than 7/8 inch			X
<u>Back yoke</u>			
Hem badly twisted on bottom of back yoke			X
Back pleat of back yoke omitted		X	
Back yoke twisted, not affecting smoothness on outside surface of jacket			X



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TABLE IX. Defects Applicable to Specific Parts (Cont)

Defect	Major	Minor A	Minor B
<u>Collar and stand</u>			
Collar tight at joining to neck seam causing puckers or pleats on fronts, back, or facings		X	
Collar edge irregular		X	
Collar points poorly shaped or not uniform shape or size		X	
Topcollar tight, i.e., causing edge of collar to curl or bulging on undercollar		X	
Topcollar badly twisted, puckered, or full		X	
Interlining tight or twisted causing puckers on undercollar		X	
Finished width of collar at center back less than 2-1/8 inches or more than 2-3/8 inches			X
Points of diagonal stitching on undercollar more than 2-1/4 inches apart or less than 1-3/4 inches apart			X
Collar stand tight, puckered, or pleated at joining to topcollar and undercollar or at neck seam causing puckers or pleats on fronts, back, or facings		X	
Undercollar stand quilted with less than five rows of stitching		X	
Finished width of collar stand at center back less than 1-3/8 inches or more than 1-5/8 inches			X
<u>Cuffs</u>			
Cuff full or twisted, affecting appearance		X	
Cuff interlining full or twisted, not affecting smoothness on outside part of cuff			X
Cuff reversed, i.e., buttonhole on underside and button on top side	X		

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TABLE IX. Defects Applicable to Specific Parts (Cont)

Defect	Major	Minor A	Minor B
One or both buttons out of alignment with buttonhole, causing bottom of finished cuffs to be uneven 1/4 inch or more when buttoned		X	
First button less than 1 inch or more than 1-1/4 inches from square end of cuff			X
Second button less than 1 inch or more than 1-1/4 inches from first button			X
Buttonhole more than 3/4 inch from front edge of cuff			X
Cuff interlining omitted	X		
<u>Hanger</u>			
Hanger omitted or ends of hanger not securely backstitched or tacked		X	
Length of hanger between tacks at ends less than 2-1/4 inches or more than 2-3/4 inches			X
Width of hanger less than 1/4 inch or more than 1/2 inch			X
Hanger off center 1 inch or more with center of collar stand			X
<u>Label</u>			
Label missing or size marking omitted, incorrect, or illegible	X		
Information (except size) missing, incorrect, or illegible			X
Label not stitched on four sides to patch pocket			X
<u>Slash pockets</u>			
Left and right slash pockets not in corresponding diagonal position, affecting appearance		*	
Slash pockets 1/2 inch or more out of alignment		X	

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TABLE IX. Defects Applicable to Specific Parts (Cont)

Defect	Major	Minor A	Minor B
Length of slash pocket opening less than 6-1/2 inches or more than 6-3/4 inches		X	
Width of top welt less than 3/4 inch or more than 1 inch		X	
Width of inside welt less than 3/8 inch or more than 5/8 inch			X
<u>Sleeves</u>			
Sleeve sagging, twisted, bulging, or short caused by shortness, tightness, or lining not correctly positioned	*		
Sleeve fullness misplaced or concentrated in one area		X	
Sleeve lining too long, causing lining to sag at bottom		X	
<u>Shoulder loops</u>			
Upper side of shoulder loop full or twisted, affecting appearance		X	
Shoulder loop poorly shaped, affecting appearance		X	
Shoulder loop misplaced so that it will not lie flat when buttoned, causing bulge or twist on shoulder loop	*		
Shoulder loop misplaced so that shoulder seam is exposed	X		
Shoulder loop misplaced, i.e., one shoulder loop further forward or back from position of other shoulder loop, affecting appearance		X	
Shoulder loop long, i.e., point extending beyond collar creaseline	X		
Shoulder loop interlining omitted		X	
Shoulder loop interlining not caught in edge stitching			X
Width of shoulder loop at neck less than 1-3/4 inches or more than 1-7/8 inches		X	

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TABLE IX. Defects Applicable to Specific Parts (Cont)

Defect	Major	Minor A	Minor B
Width of shoulder loop at armhole end less than 2-1/4 inches or more than 2-3/8 inches		X	
Button not aligned with buttonhole, causing bulge or twist on shoulder loop or puckers on shoulder, affecting appearance		X	
Finished buttonhole with purling on reverse side	X		
Buttonhole more than 1/8 inch but not more than 1/4 inch off center with width of shoulder loop			X
Buttonhole more than 1/4 inch off center with width of shoulder loop		X	
<u>Side seams, fronts, and front closure</u>			
Back overlapping front at side seams			X
Length of closed fronts uneven at neck 1/4 inch or more or at bottom 1/4 inch or more		X	
Slide fastener tape set on too loosely or too tightly causing excessive bulging on opening, affecting appearance open or closed		X	
Slide fastener not specified type, size, or style or any part of assembly omitted, bent, or broken	X		
Slide fastener exposed more than 1/16 inch or gapping more than 1/16 inch when closed		X	
Jacket part stitched too close to metal chain not permitting slider to pass	X		
Top end of slide fastener chain more than 3/4 inch from raw edge of neckline			X
Top end of slide fastener chain less than 1/2 inch from raw edge of neckline			X

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TABLE X. Defects Applicable to Preparation for Delivery

Examine	Defect
Marking (exterior and interior)	Omitted; incorrect; illegible; or improper size, location, sequence, or method of application
Materials	Any component missing Any component not as specified or damaged, affecting appearance
Workmanship	Inadequate application of components such as incomplete closure of case liners or container flaps, loose strapping, or inadequate stapling Bulging or distortion of containers Open and noncontinuous heat-seal seams and closure of polyethylene bag
Content	Number of intermediate packages per container more or less than required Size shown on one or more jackets not as specified on container <u>1/</u>

1/ One package from each container in the sample shall be examined for this defect.

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4.3.1.1 Methylene chloride. The methylene chloride shall be prepared by mixing nine parts reagent methylene chloride with one part United States Pharmacopoeia (95 percent) ethyl alcohol. The methylene chloride solution is extremely toxic; therefore, provisions for adequate ventilation or the use of a fume hood is recommended.

4.3.2 Fiber content of untreated cloth. Two specimens from each sample unit shall be tested in accordance with the general procedures specified in test method 2100 of FED-STD-191. The average percent of polyester in the two specimens and the average percent of cotton in the two specimens shall be reported to the nearest 1.0 percent. The following method shall be used to calculate the fiber content.

Weight of dry residual fiber X 100 weight of dry desized specimen = percent polyester

100 percent - percent polyester = percent cotton

## 5. PREPARATION FOR DELIVERY

5.1 Preservation and packaging. Preservation and packaging shall be level A or C as specified (see 6.2).

5.1.1 Level A. Each jacket shall be folded in accordance with good commercial practice. The folded jacket shall be placed in a box conforming to type CF, class domestic, style RSC, minimum bursting strength 200 pounds per square inch of PPP-B-636. The box shall be closed with tape conforming to PPP-T-45.

5.1.2 Level C. Level C packaging shall afford adequate protection against deterioration and physical damage during shipment from the supply source to the first receiving activity. The supplier may use his standard practice provided it meets the requirements specified for level C packing.

5.2 Packing. Packing shall be level A, B, or C as specified (see 6.2)

5.2.1 Level A. Four jackets of one size and packaged as specified shall be packed in a box that is constructed, closed, and reinforced to conform to type CF or SF, class weather-resistant, grade V3c or V3s, style RSC of PPP-B-636. Toward the end of the contract or if the quantity of jackets of the same size is less than the quantity required per box, mixed size (see 5.3.1) may be packed within the same box.

5.2.2 Level B. Level B packing shall be as specified in 5.2.1 except that the box shall conform to style RSC, class domestic of PPP-B-636.

5.2.3 Level C. Jackets packaged as specified shall be packed to insure acceptance by the carrier and safe delivery to destination at the lowest transportation rate for such supplies. The containers shall be in accordance with the rules or regulations applicable to the mode of transportation.

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5.3 Marking. In addition to any specific marking required by the contract or order, unit packages, intermediate packages, and shipping containers shall be marked in accordance with MIL-STD-129.

5.3.1 Mixed sizes. Each shipping container packed with mixed sizes (see 5.2.1) shall have white paper labels, 5 by 4 inches in size, securely attached to the end and side. The words "mixed sizes" shall be plainly printed on the labels. Under these words, the sizes and quantities of each size of jackets contained therein shall be legibly printed.

## 6. NOTES

6.1 Intended use. The jacket covered by this specification is intended to be worn by male personnel of the Department of the Air Force.

6.2 Ordering data. Procurement documents should specify the following:

- (a) Title, number, and date of this specification
- (b) Size required (see 1.2)
- (c) Government furnished patterns (see 3.4)
- (d) Waiver of requirements for testing materials and components (see 4.2.1)
- (e) Selection of applicable levels of preservation and packaging and packing (see 5.1 and 5.2).

6.3 Samples. Color samples may be obtained from the procuring activity or as directed by the contracting officer.

6.4 Figures. Figures 1 and 2 show general design of the jacket and are furnished for information only. In the event of conflict between these figures and the text of this specification, the text of this specification shall govern.

Custodian:  
Air Force - 11

Preparing activity:  
Air Force - 11

Reviewer:  
Air Force - 82

Project No. 8405-F507

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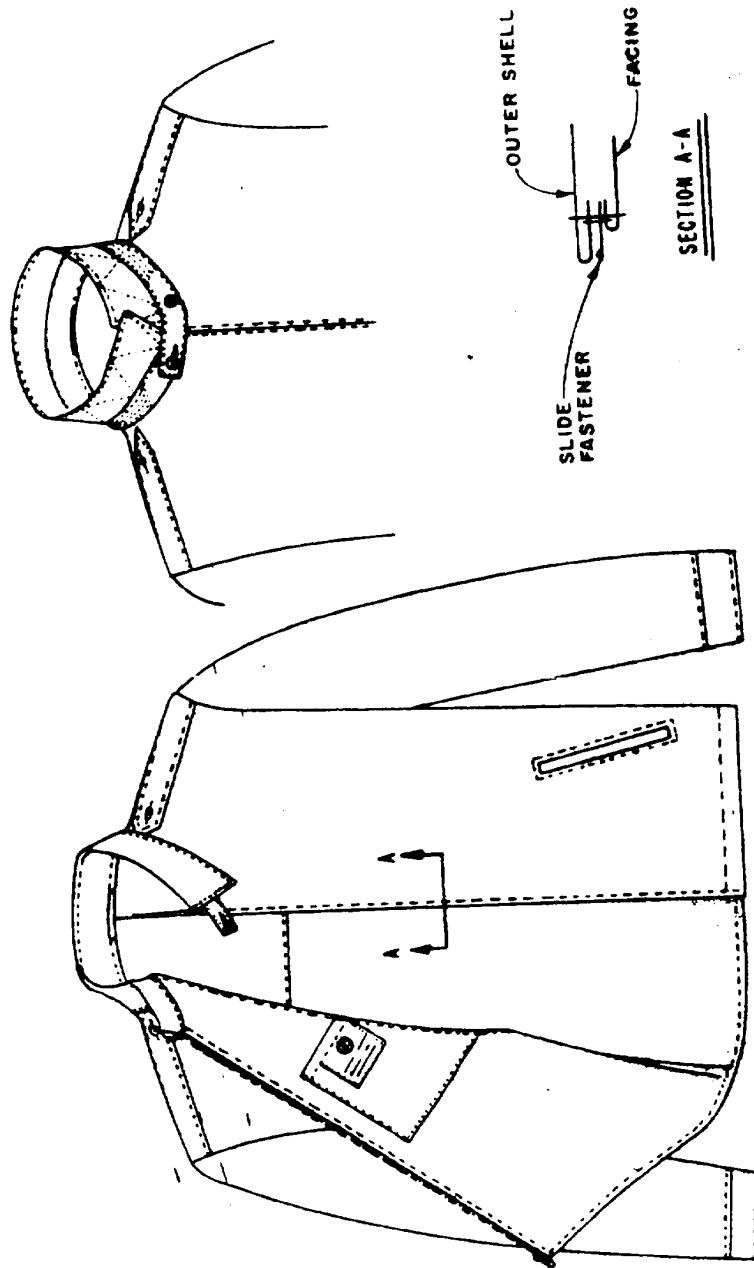


FIGURE 1. Jacket (Front Closure)



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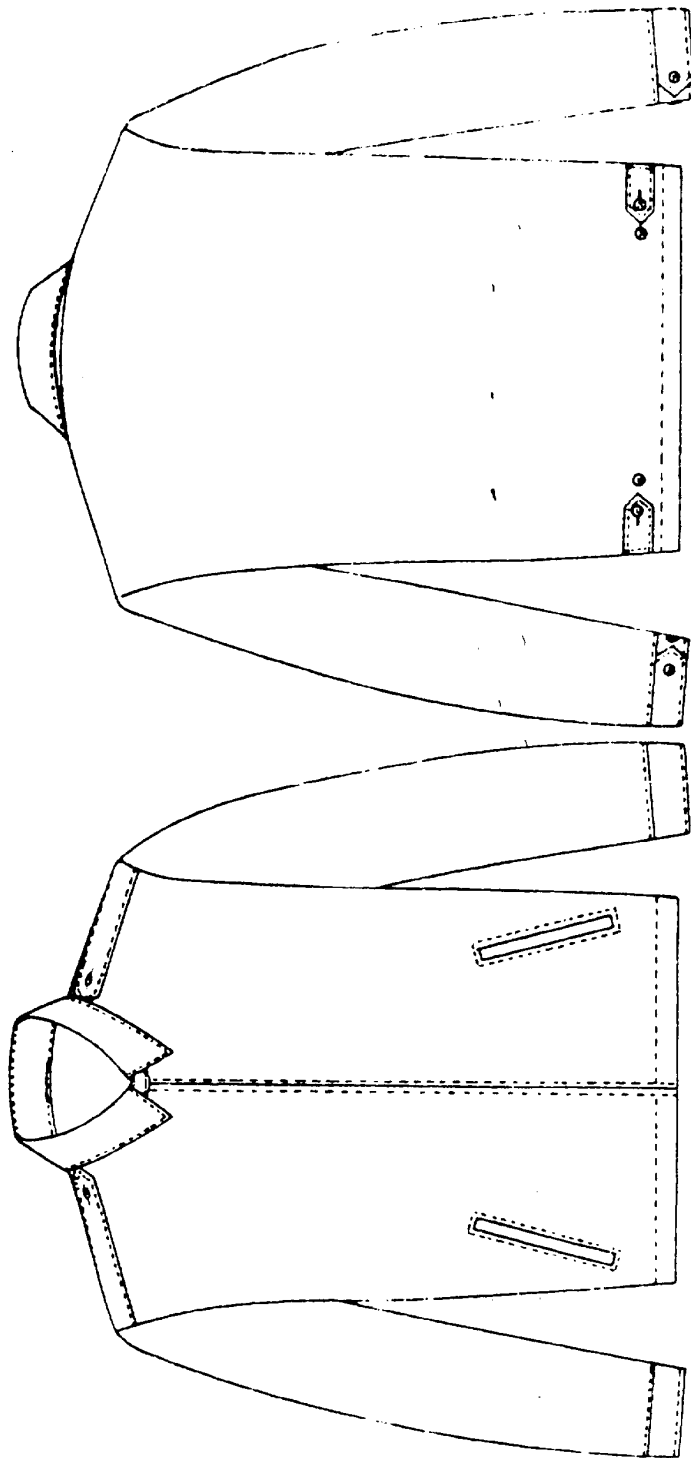


FIGURE 2. Jacket (Front and Rear Views)



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DEPARTMENT OF THE AIR FORCE



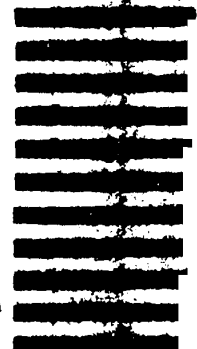
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1. DOCUMENT NUMBER	2. DOCUMENT TITLE
3a. NAME OF SUBMITTING ORGANIZATION	4. TYPE OF ORGANIZATION <i>(Mark one)</i>
3b. ADDRESS <i>(Street, City, State, ZIP Code)</i>	<input type="checkbox"/> VENDOR <input type="checkbox"/> USER <input type="checkbox"/> MANUFACTURER <input type="checkbox"/> OTHER <i>(Specify):</i> _____
5. PROBLEM AREAS	
a. Paragraph Number and Wording:	
b. Recommended Wording:	
c. Reason/Rationale for Recommendation:	
6. REMARKS	
7a. NAME OF SUBMITTER <i>(Last, First, MI) - Optional</i>	b. WORK TELEPHONE NUMBER <i>(In Area Code) - Optional</i>
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